Enrollment Projection/ Demographic Study

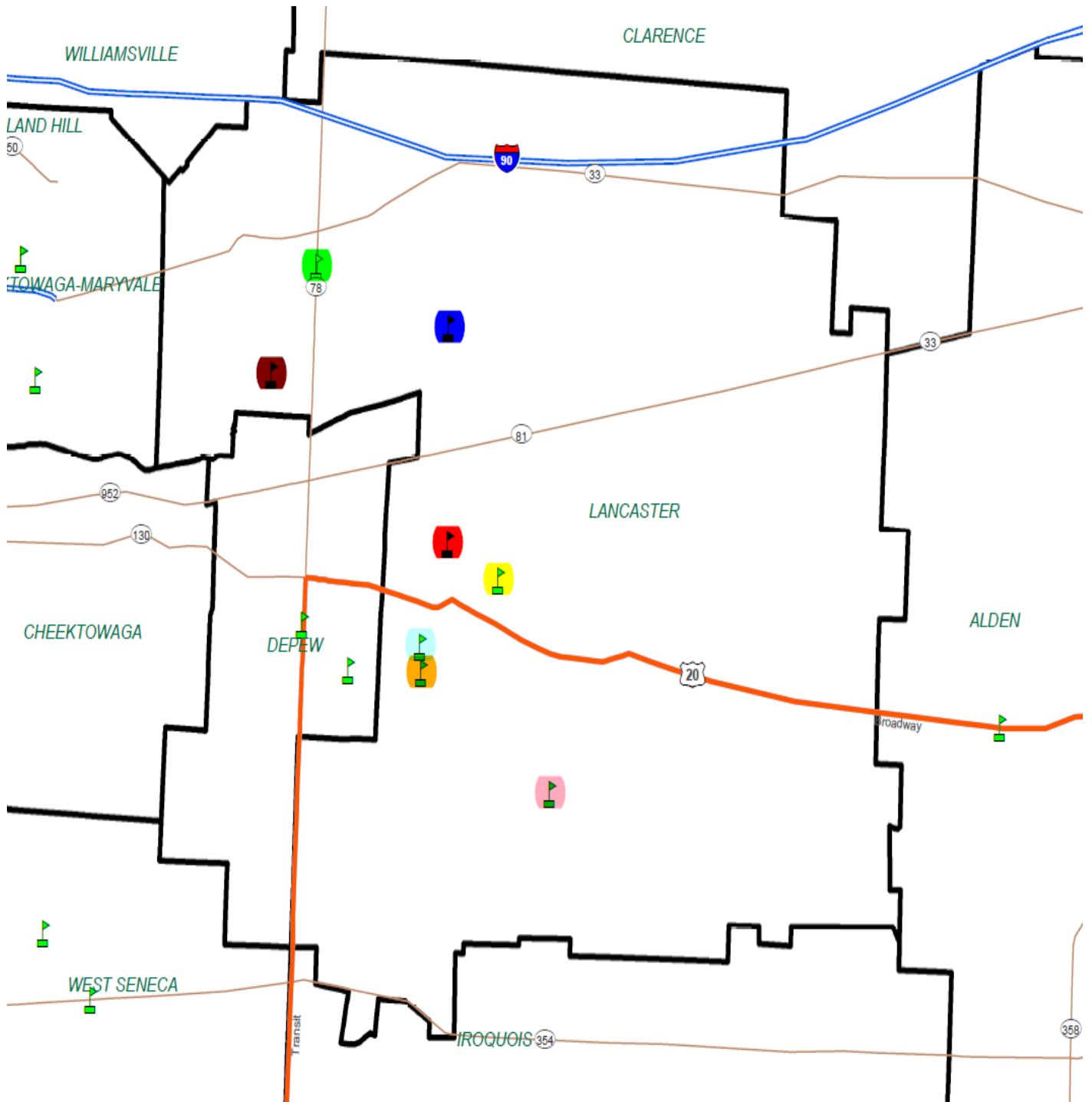*for the*

Lancaster Central School District

A Tool to Help Plan and Discuss the Future

January 31, 2018

"Custom tools and research to aid a school district in defining a vision and decision options for serving students in the future."

WILLIAMSVILLE
CLARENCE
LAND HILL
TOWAGA-MARYVALE
CHEEKTOWAGA
DEPEW
LANCASTER
ALDEN
Broadway
WEST SENECA
Transit
IROQUOIS

HILLVIEW ELEMENTARY	
WILLIAM STREET INTERMEDIATE	
LANCASTER HIGH SCHOOL	
JOHN A. SCIOLE ELEMENTARY	
DISTRICT OFFICE/CENTRAL AVENUE	
COURT STREET ELEMENTARY	
LANCASTER MIDDLE SCHOOL:	
COMO PARK ELEMENTARY SCHOOL	

"Custom tools and research to aid a school district in defining a vision and decision options for serving students in the future."

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"Custom tools and research to aid a school district in defining a vision and decision options for serving students in the future."

PURPOSE AND USE OF THE ENROLLMENT PROJECTION STUDY

This demographic/enrollment projection study provides historical and current Lancaster School District enrollment data and suggests enrollment projection scenarios based on the trending of historical data patterns. The Lancaster School District has 33.18 square miles within its enrollment boundaries.

The main purpose of the study is to provide a tool to help school district decision-making. The study provides projected pupil enrollments based on different assumptions about the future. The study is a tool to engage a community in identifying what they believe about the future of the school district and the community it serves. The study also enables the school district to comply with Commissioner's Regulation Section 155.1. The Regulation requires long-range planning of program requirements, future enrollments K-12, pupil capacity of existing facilities, and a plan for repair or modernization of facilities and/or provision for additional facilities to support the delivery of the program Kindergarten through Grade 12. Planning for a Pre-kindergarten program component is a separate element and analysis. Unlike Kindergarten, which has evolved into a *defacto* 'compulsory' enrollment grade for which State attendance aid is given to a district, Pre-kindergarten enrollment rests solely on the availability of such a program at the discretion of a school district and the volition of the parents or guardians.

The enrollment projection study combined with the values, intuition, and vision of school district officials can frame planning discussions as the school district projects its facilities, staffing and program needs into the future.

VARIABLES THAT INFLUENCE FUTURE SCHOOL DISTRICT ENROLLMENTS

The six sources of current and projected school district enrollment are:
- live births within the school district and their eventual kindergarten enrollment in the district;
- new household population with children who move to the district;
- new population who move to the district who are at child-bearing age and plan to begin a family;
- enrollment of students from non-public schools or from home-schooling settings;
- school program and academic intervention changes that may increase the success of the school district in keeping existing enrollment as long as possible to culminate in high school graduation;
- a change by other public schools, if any, who tuition students to attend the Lancaster School District.

If there are data to suggest that one or more of the variables listed above will not continue into the near future of the next five years in the same historical pattern, then the baseline enrollment projections results

are modified to estimate the potential impact the variable(s) may have on future school district enrollments. The baseline enrollment projection calculations of the study are based on the following:

- ✓ Historical live birth data and patterns
- ✓ Historical patterns of enrollment at the various grade levels
- ✓ Private school enrollments
- ✓ Historical pattern of other school districts, if any, that tuition students to the district

METHODOLOGY TO PROJECT BASELINE ENROLLMENT FORECASTS

Compilation of Data

The study collects the following data to execute the cohort survival statistic to project *baseline* future enrollments of the school district:

- Student enrollments of the Lancaster School District by grade level from 2012-2013 through 2017-2018 are compiled from data provided by district personnel. All public school enrolled children including special needs students regardless of current school year program location of program, and temporarily home-bound pupils are included in the estimates.
- Annual kindergarten class enrollments are compared to the total school district enrollment area live births five years earlier.
- Live birth numbers in the school district since 2002 as reported by the New York State Department of Health are analyzed.

Application of the Baseline Cohort Survival Statistic

The cohort survival statistic identifies a 'percentage of survival' ratio that describes the relationship of a grade level enrollment in a given year compared to the grade enrollment in the next lower grade from the previous year. If a ratio falls below 1.0, the ratio signifies that the enrollment of students in a grade level decreased or did not 'survive' enrollment into the next grade level of the next year. If a ratio rises above 1.0, the ratio then signifies that new enrollment has moved to the district or a significant change in grade-to-grade promotion policy.

Calculating the survival ratios from 2012-2013 through 2017-2018 for each of the grade enrollments provides the basis for a set of average grade-to-grade survival ratios that can be used to estimate future *baseline* grade enrollments in the Lancaster School District.

Limitations of the Study

- The future enrollments predicted using the cohort survival statistic should be adjusted if there is evidence that one or more of the study assumptions have changed.

- Enrollment projection totals for K-6, 7-8 and for 9-12 are more reliable than are those for specific grade levels in specific years. Primary focus should be given to estimates five years into the future

for grades K-6, eight years into the future for grades 7-8, and ten years into the future for grades 9-12.

- The cohort survival statistic is a linear calculation. As such, sporadic fluctuations of historical enrollment data from year-to-year could affect the estimated projections of future enrollment

HISTORICAL PERSPECTIVE OF ANNUAL ENROLLMENTS

Total K-12 enrollment in the six enrollment years since 2012-2013 has changed from 5842 pupils to 5614 in the current school year. Two hundred and twenty-eight fewer pupils equate to a -3.9% change over the past six years. The six-year average is 5720 pupils and the median is 5732.

CHART ONE: LANCASTER CSD
HISTORICAL K-12 ENROLLMENT
2012-2017

$y = -43.371x + 5872.1$

| | 5842 | 5761 | 5741 | 5723 | 5641 | 5614 |

ENROLLMENT

| 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 |
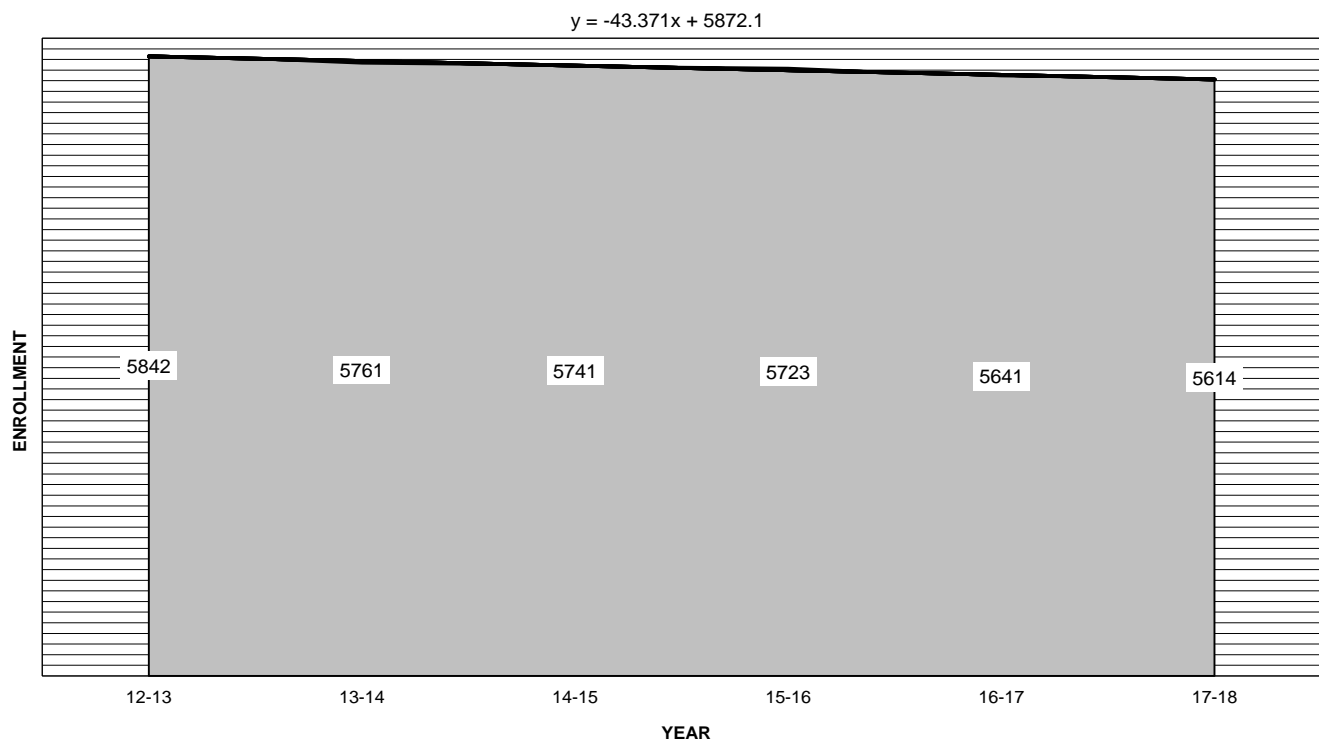
YEAR

Chart Two illustrates the historical pattern of K-6, and 7-12 enrollments since 2012. Note the decreasing pattern of elementary and secondary enrollments since 2012. However, the pattern of K-6 enrollment is less negative over the past six years compared to grades 7-12

Chart Three illustrates the historical pattern of K-3, 4-6, 7-8, and 9-12 enrollments since 2012. Note the positive growth pattern of grades K-3 historical enrollment over the past six years compared to grades 4-6, 7-8, 9-12. The K-3 growth pattern will influence grades 4-12 enrollment over the next ten years.

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CHART TWO: LANCASTER CSD
HISTORICAL K-6, 7-12 ENROLLMENT
2012-2017

$y = -15.257x + 2902.4$

□ K-6

■ 7-12

$y = -28.114x + 2969.7$
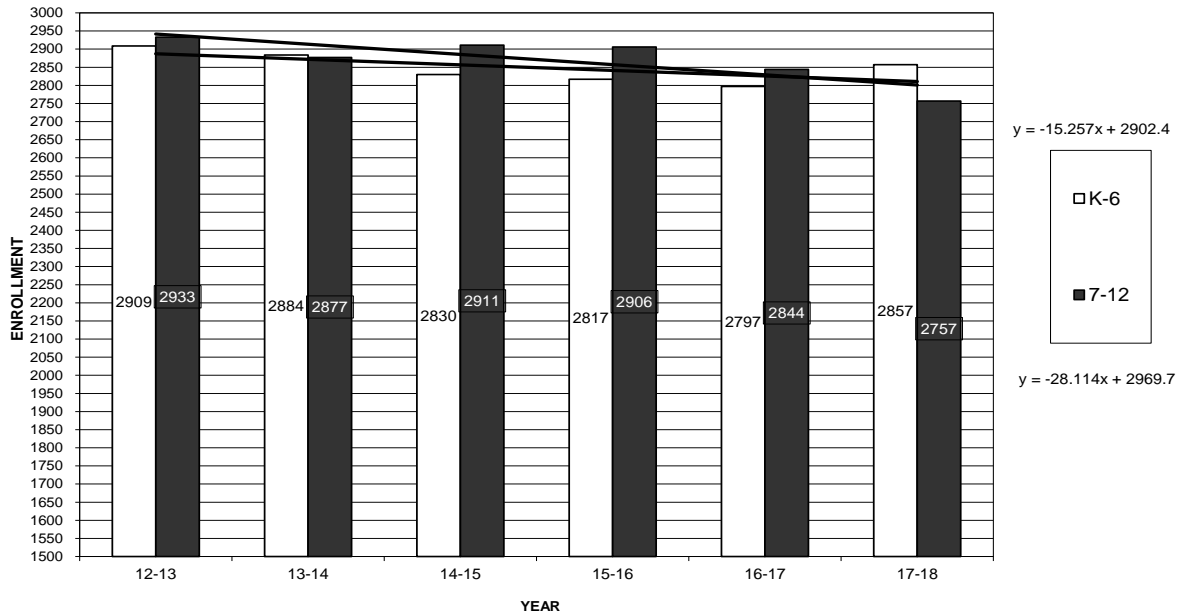
CHART THREE: LANCASTER CSD
HISTORICAL K-3, 4-6, 7-8, 9-12 ENROLLMENT
2012-2017

9-12

$y = -11.2x + 1978.5$

K-3

$y = 14.8x + 1507.5$

4-6

$y = -30.057x + 1394.9$

7-8

$y = -16.914x + 991.2$

□ K-3 □ 4-6 □ 7-8 ⊠ '9-12'

4
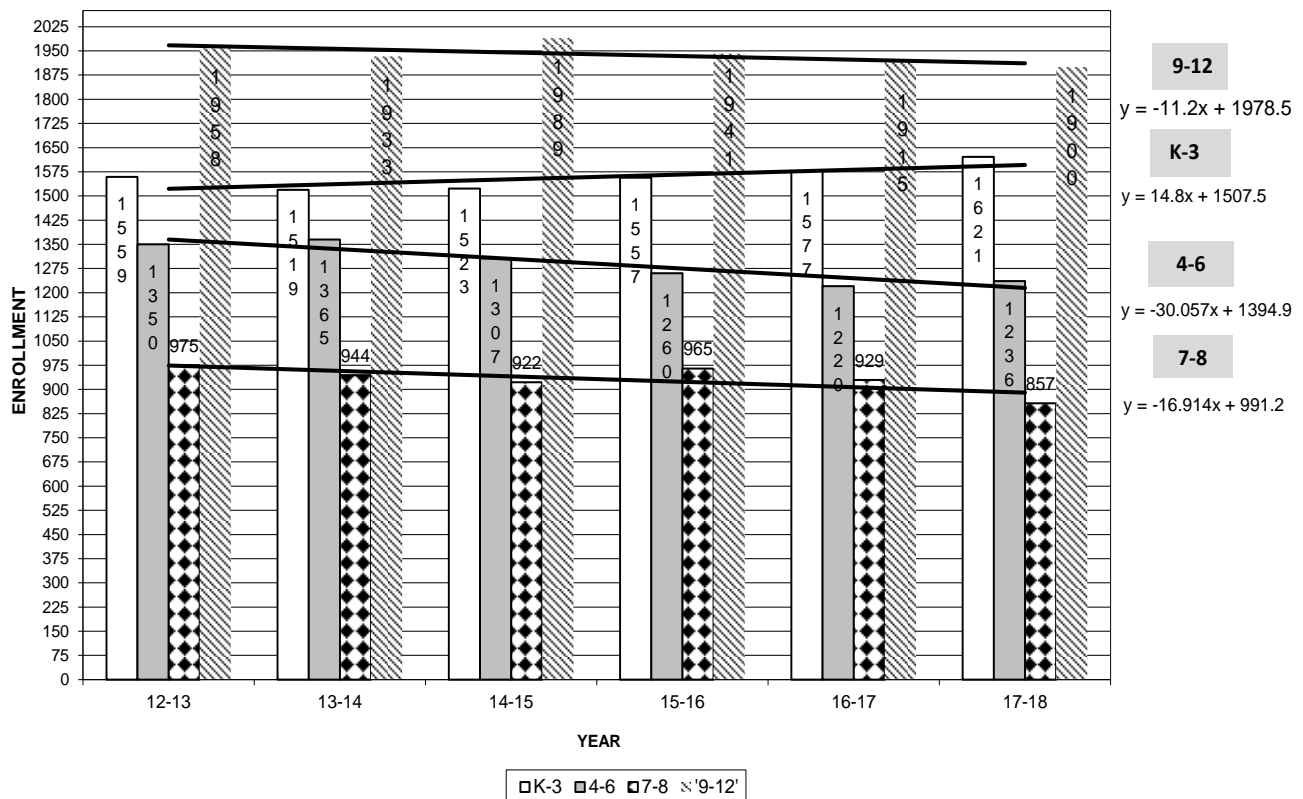
Charts Four through Ten graphically represent the net percentage changes in enrollment from 2012 through 2017 for grades K-12, K-6, 7-12, K-3, 4-6, 7-8 and 9-12 enrollments respectively.

CHART FOUR: LANCASTER CSD
K-12 ENROLLMENT CHANGE 2012-2017

	'12-'13 to '13-'14	'13-'14 to '14-'15	'14-'15 to '15-'16	'15-'16 to '16-'17	'16-'17 to '17-'18
■ Year-to-Year % Change in Total K-12 Enrollment	-1.39%	-0.35%	-0.31%	-1.43%	-0.48%
◇ Year-to-Year Student Enrollment Change K-12	-81	-20	-18	-82	-27
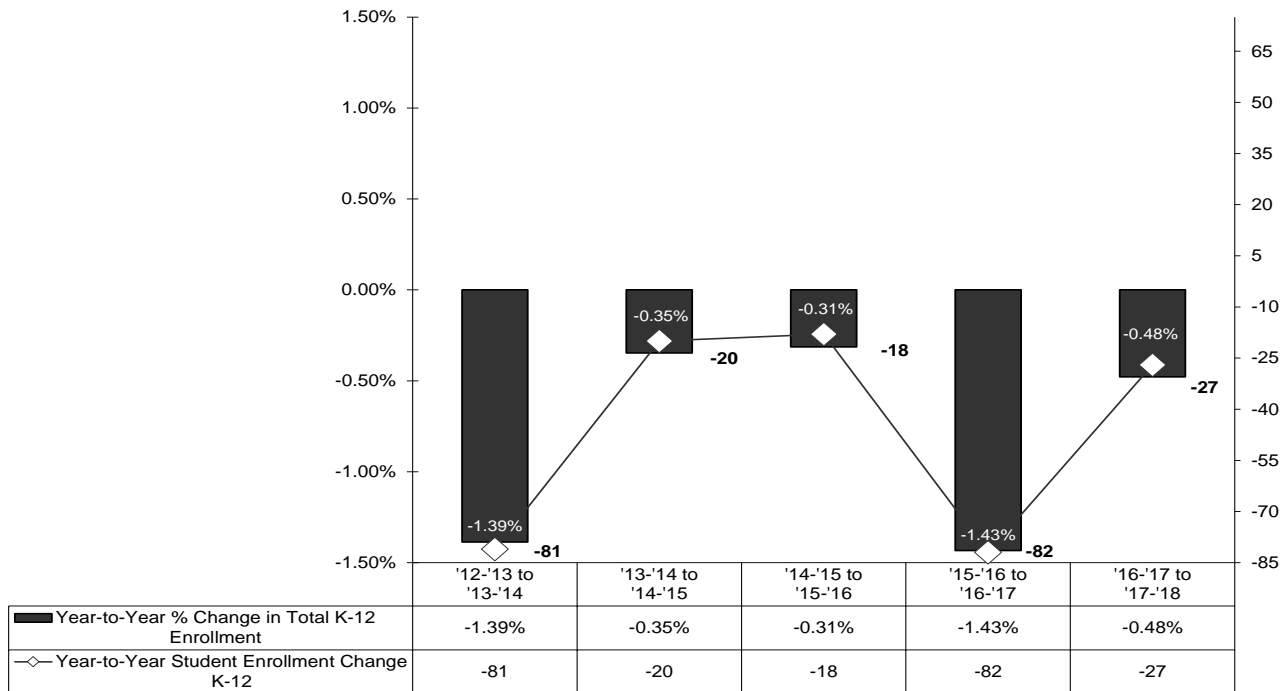
CHART FIVE: LANCASTER CSD
K-6 ENROLLMENT CHANGE 2012-2017

	'12-'13 to '13-'14	'13-'14 to '14-'15	'14-'15 to '15-'16	'15-'16 to '16-'17	'16-'17 to '17-'18
■ Year-to-Year % Change in Total K-6 Enrollment	-0.86%	-1.87%	-0.46%	-0.71%	2.15%
◇ Year-to-Year Student Enrollment Change K-6	-25	-54	-13	-20	60

5
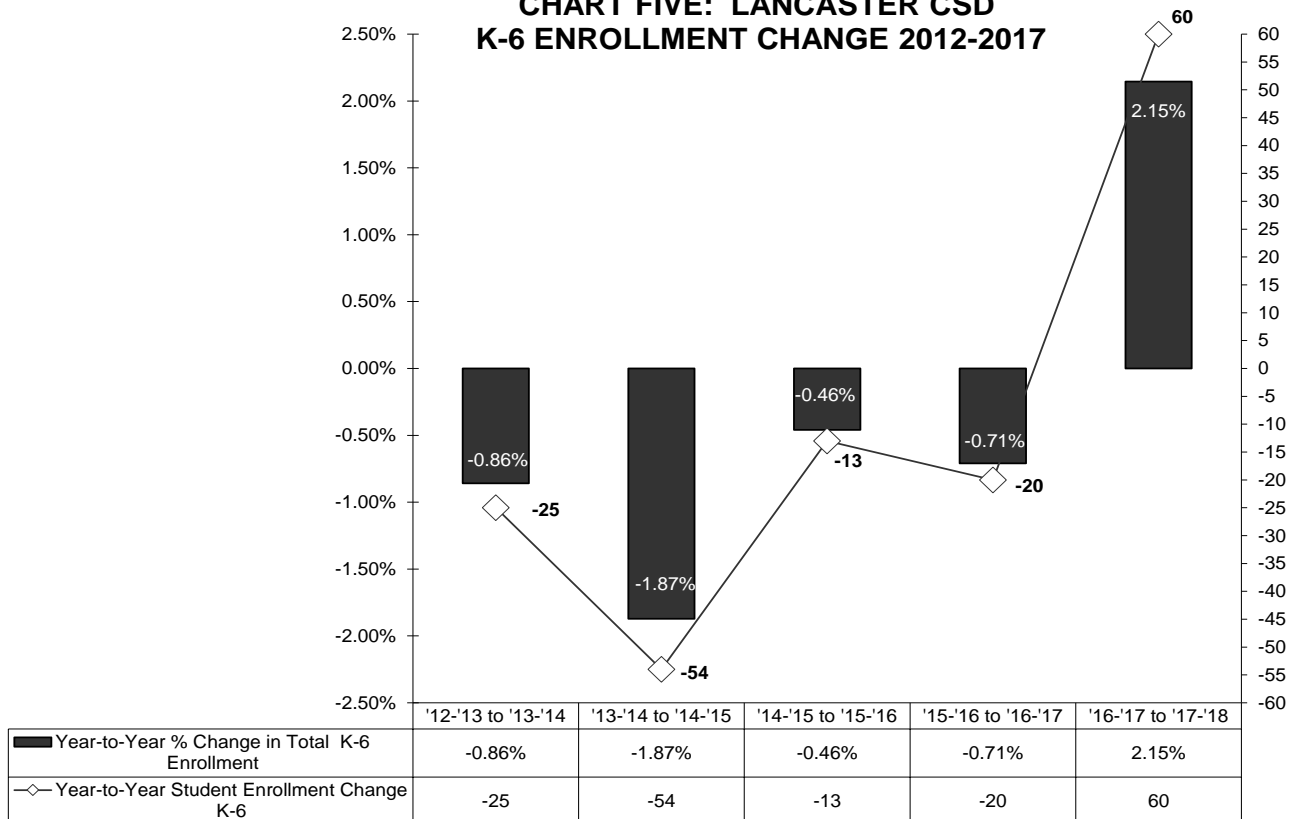
CHART SIX: LANCASTER CSD GRADES 7-12 ENROLLMENT CHANGE 2012-2017

	'12-'13 to '13-'14	'13-'14 to '14-'15	'14-'15 to '15-'16	'15-'16 to '16-'17	'16-'17 to '17-'18
■ Year-to-Year % Change in Total 7-12 Enrollment	-1.91%	1.18%	-0.17%	-2.13%	-3.06%
◇ Year-to-Year Student Enrollment Change 7-12	-56	34	-5	-62	-87
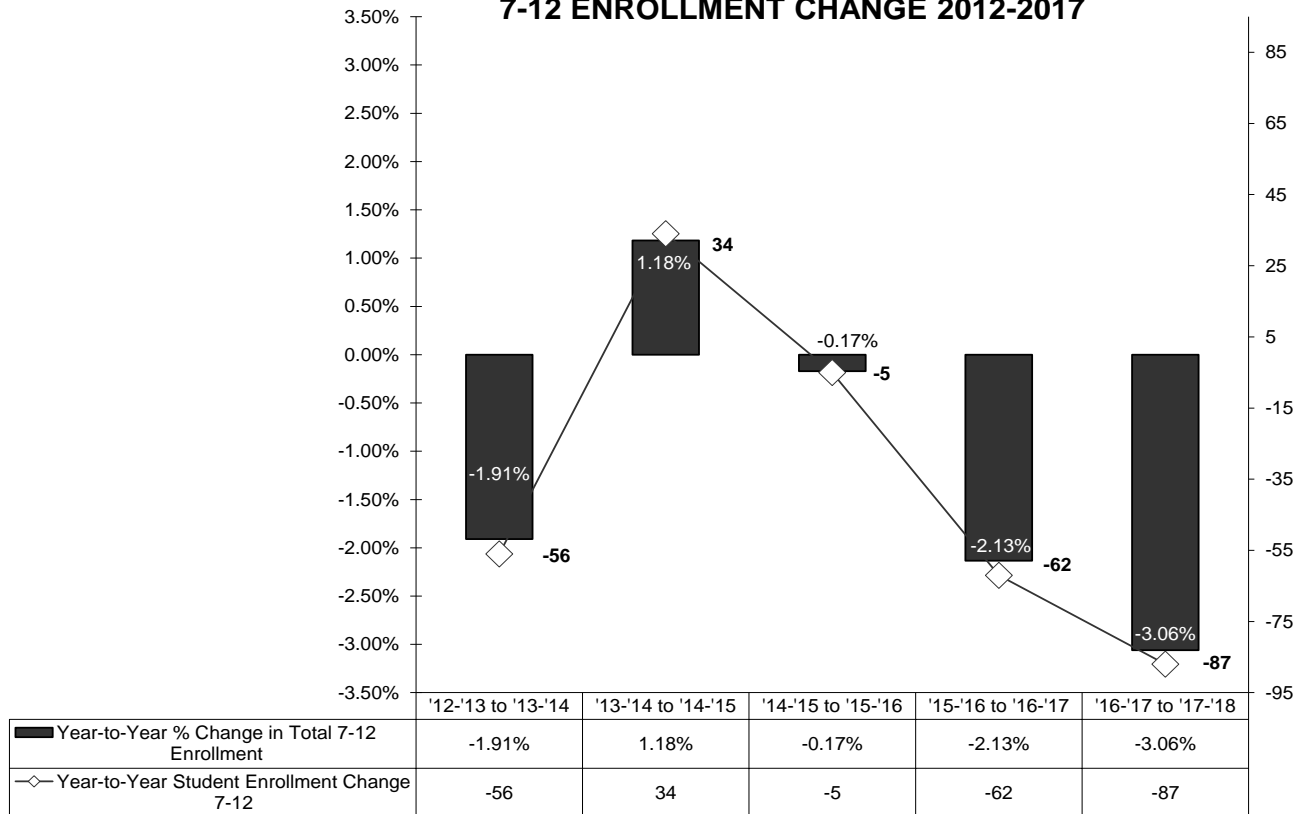
CHART SEVEN: LANCASTER CSD GRADES K-3 ENROLLMENT CHANGE 2012-2017

	'12-'13 to '13-'14	'13-'14 to '14-'15	'14-'15 to '15-'16	'15-'16 to '16-'17	'16-'17 to '17-'18
■ Year-to-Year % Change in Total K-3 Enrollment	-2.57%	0.26%	2.23%	1.28%	2.79%
◇ Year-to-Year Student Enrollment Change K-3	-40	4	34	20	44

6
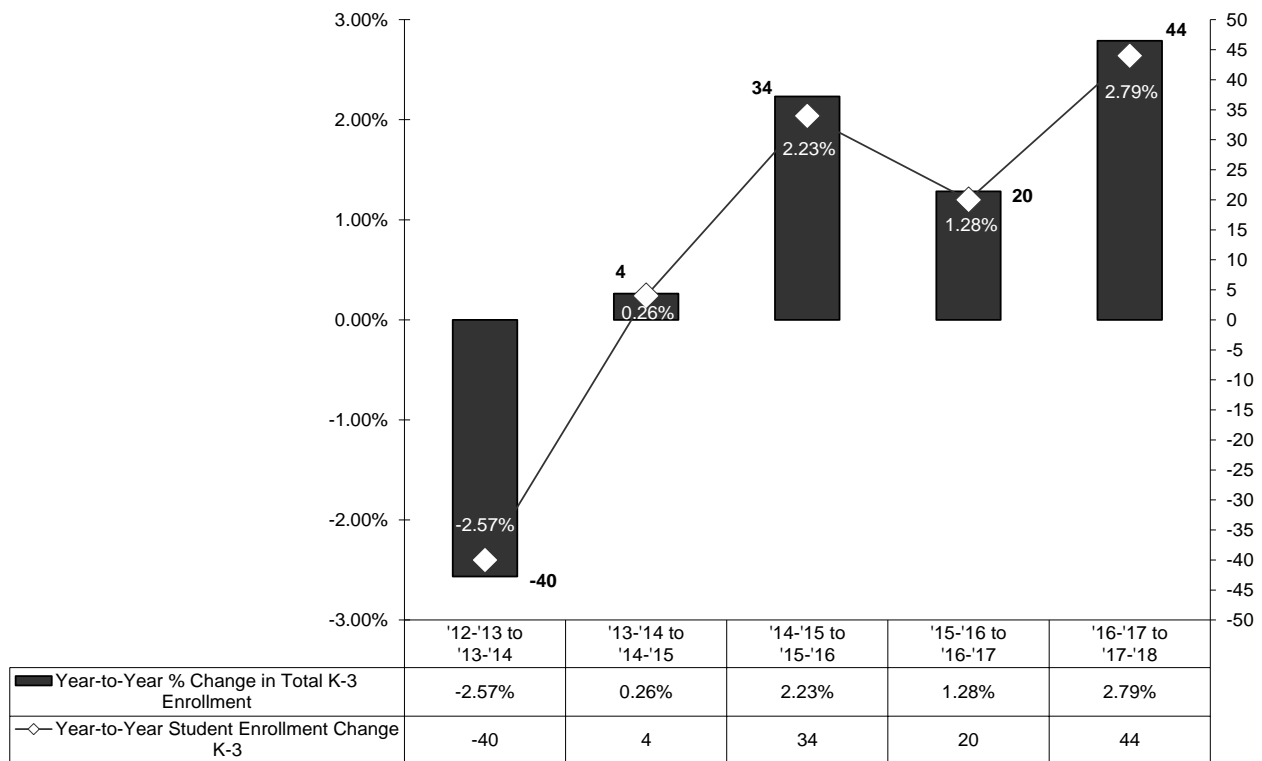
CHART EIGHT: LANCASTER CSD GRADES 4-6 ENROLLMENT CHANGE 2012-2017

	'12-'13 to '13-'14	'13-'14 to '14-'15	'14-'15 to '15-'16	'15-'16 to '16-'17	'16-'17 to '17-'18
Year-to-Year % Change in Total 4-6 Enrollment	1.11%	-4.25%	-3.60%	-3.17%	1.31%
Year-to-Year Student Enrollment Change 4-6	15	-58	-47	-40	16
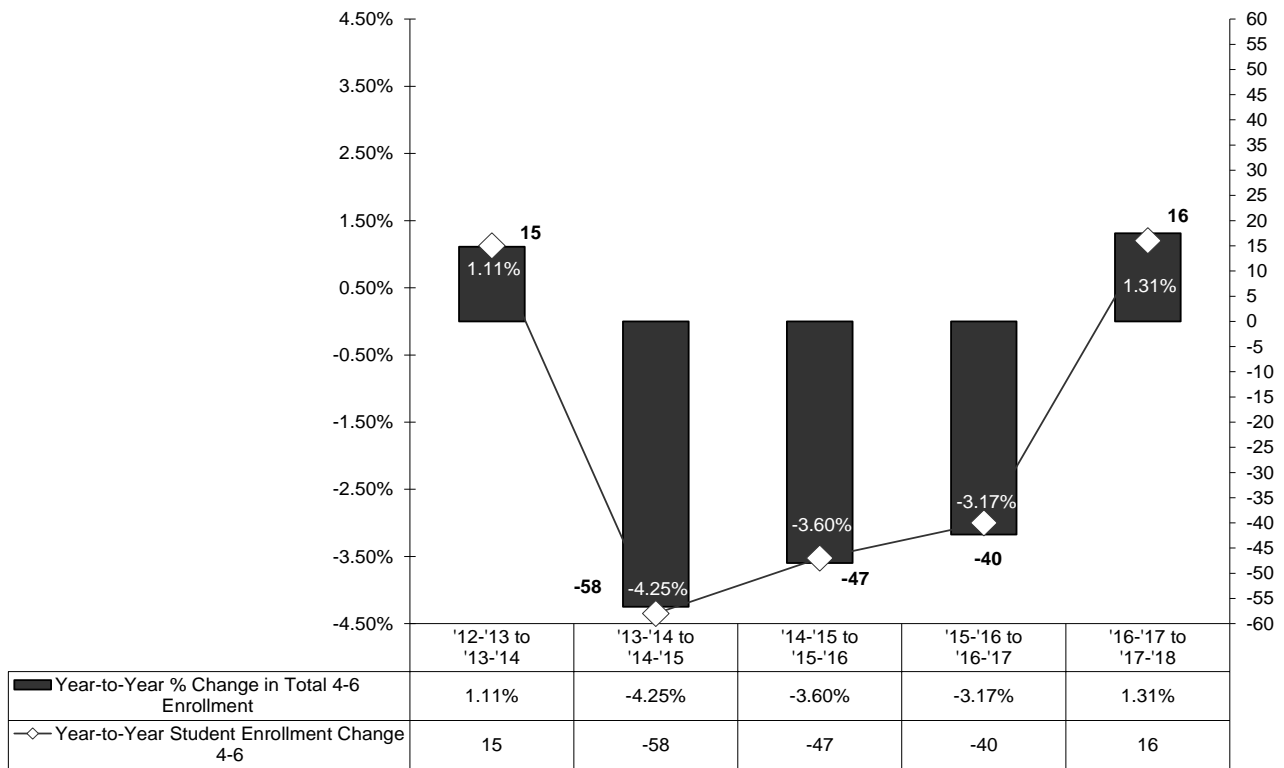
CHART NINE: LANCASTER CSD GRADES 7-8 ENROLLMENT CHANGE 2012-2017

	'12-'13 to '13-'14	'13-'14 to '14-'15	'14-'15 to '15-'16	'15-'16 to '16-'17	'16-'17 to '17-'18
Year-to-Year % Change in Total 7-8 Enrollment	-3.18%	-2.33%	4.66%	-3.73%	-7.75%
Year-to-Year Student Enrollment Change 7-8	-31	-22	43	-36	-72

7
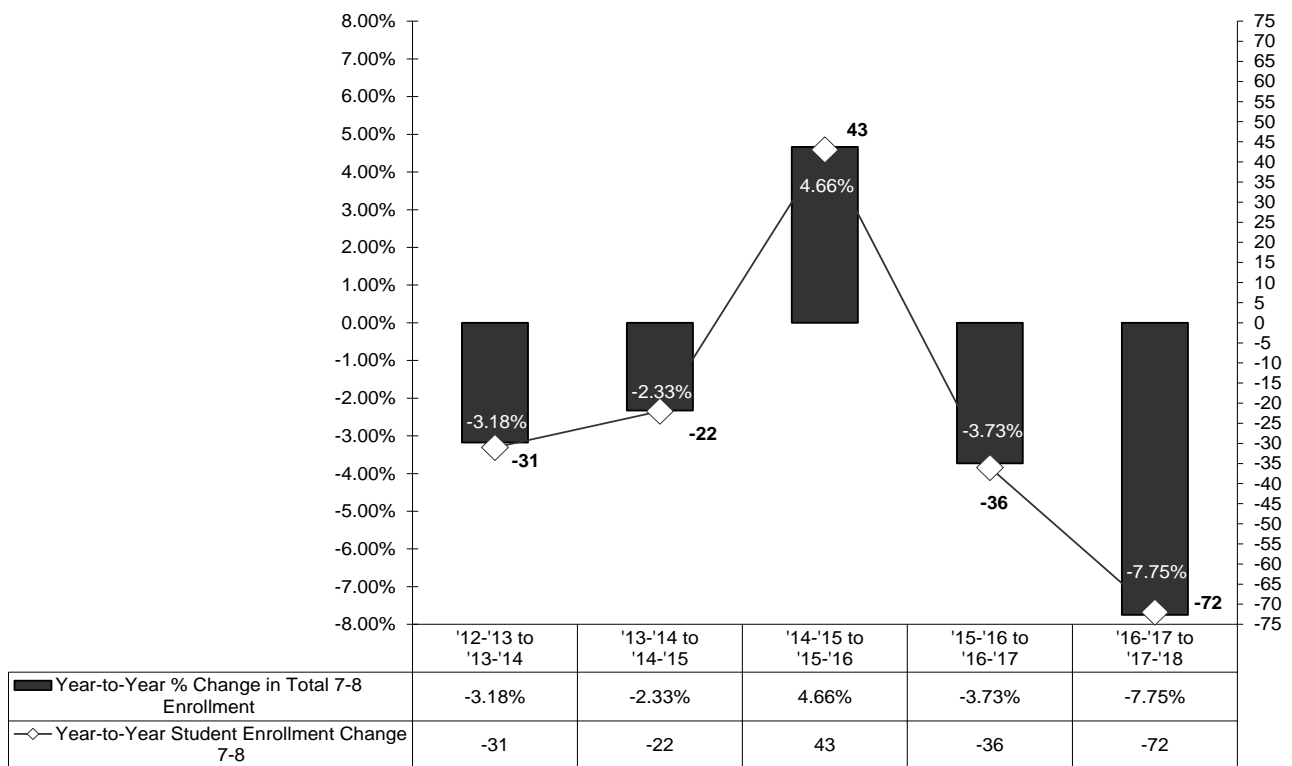
CHART TEN: LANCASTER CSD GRADES 9-12 ENROLLMENT CHANGE 2012-2017

	'12-'13 to '13-'14	'13-'14 to '14-'15	'14-'15 to '15-'16	'15-'16 to '16-'17	'16-'17 to '17-'18
■ Year-to-Year % Change in Total 9-12 Enrollment	-1.28%	2.90%	-2.41%	-1.34%	-0.78%
◇ Year-to-Year Student Enrollment Change 9-12	-25	56	-48	-26	-15
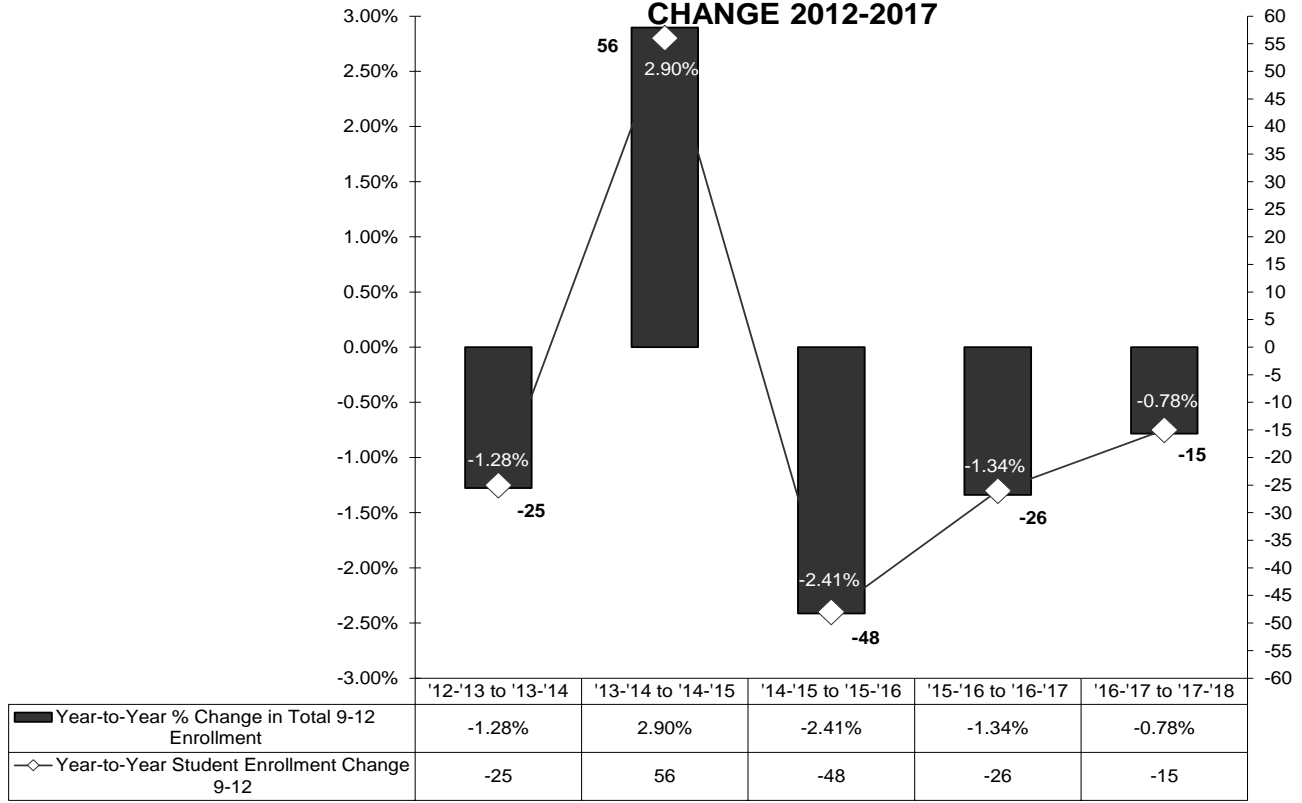
DISTRICT ENROLLMENT AREA AND DISTRICT LIVE BIRTHS

Table 1 on the next page lists live birth data from 2002 through 2017 for the geographic area of the Lancaster School District; Erie County; and of the towns that make up the 'catchment area' of the school district. The New York State Health Department geocodes annual live birth data for the State. The data support a trend analysis of the pattern of the ten-year set of yearly live birth totals attributed to the school district. *Table 2* lists the annual Lancaster kindergarten enrollments since 2002.

| TABLE 1 — LIVE BIRTHS IN THE CATCHMENT AREA SERVED BY THE LANCASTER CENTRAL SCHOOL DISTRICT AS REPORTED BY THE NEW YORK STATE DEPARTMENT OF HEALTH 2002-2016																
TOWN	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	*2016* PRELIM.	*TOTAL*
BIRTHS IN EACH MUNICIPALITY																
Erie County Lancaster	452	475	477	427	423	383	362	382	422	377	391	428	383	390	381	**6,153**
Cheektowaga	962	864	916	897	841	919	882	902	884	879	940	920	923	942	929	**13,600**
Elma	87	90	76	80	67	76	61	64	71	73	75	67	66	91	97	**1,141**
Lancaster Village	114	105	118	101	96	91	86	87	107	95	112	125	108	100	107	**1,552**
Depew Village	75	64	72	69	81	71	57	65	84	61	65	79	69	65	65	**1,042**
TOTAL BIRTHS IN CATCHMENT AREA TOWNS	1690	1598	1659	1574	1508	1540	1448	1500	1568	1485	1583	1619	1549	1588	1579	**23,488**
NYS HEALTH DEPARTMENT 'LIVE BIRTHS BY SCHOOL DISTRICT'	427	453	449	383	395	363	339	352	374	343	386	390	353	338	373	**5,718**
DISTRICT/CATCHMENT AREA TOWNS LIVE BIRTH RATIO	25.27%	28.35%	27.06%	24.33%	26.19%	23.57%	23.41%	23.47%	23.85%	23.10%	24.38%	24.09%	22.79%	21.28%	23.62%	24.34%
														SIX YEAR RATIO:		**0.233**
ERIE COUNTY TOTAL BIRTHS	11,618	11,461	11,108	10,703	10,878	10,900	10,513	10,679	10,630	10,540	10,833	10,750	10,978	11,085	10,814	**163,490**

TABLE 2 — KINDERGARTEN ENROLLMENT OF THE LANCASTER CENTRALSCHOOL DISTRICT 2002-2017																
2002	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
466	461	457	478	415	427	439	415	396	370	353	383	378	401	372	443

Figure One below charts the live birth data for Erie County since 2002. *Figure One-A* on the next page charts live birth data for Erie since 2007>

FIGURE ONE: ERIE COUNTY LIVE BIRTHS 2002-2016

$y = -32.443x + 11159$
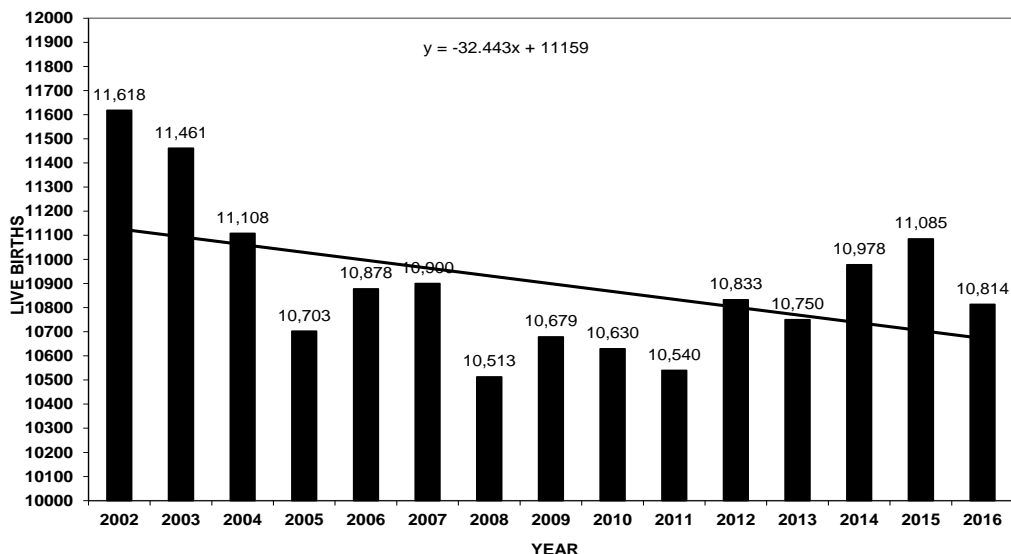
FIGURE ONE-A: ERIE COUNTY
LIVE BIRTHS 2007-2016

$$y = 32.594x + 10593$$
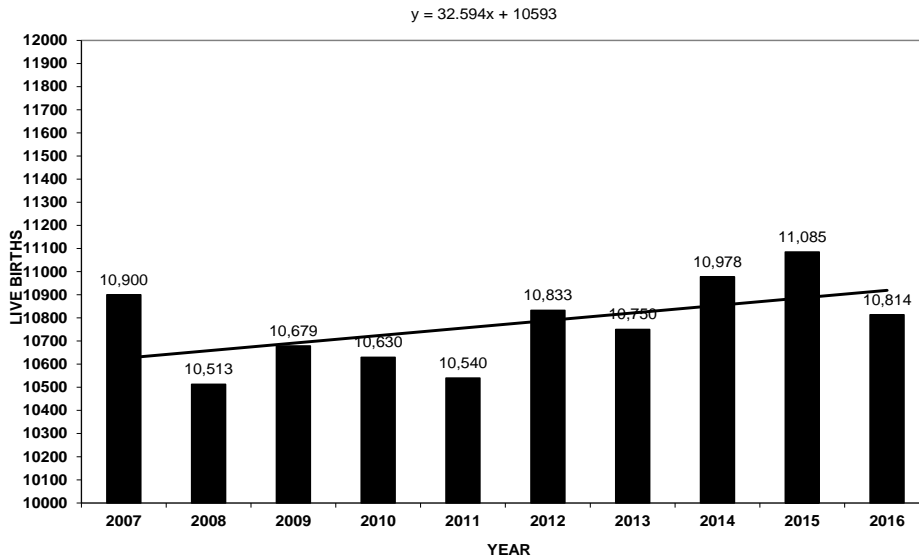
The patterns of live births in Erie County and in the enrollment area of the Lancaster School District from 2007 through 2016 are increasing. The Lancaster CSD live births range over ten years is from a high of 390 in 2013 to a low of 338 in 2015. A comparison of the live births total in 2016 with the total in 2007 shows a change over ten years of 10 or +2.8%. *Will the historical pattern of live births in the Lancaster School District service area shown in* **Figure Two** *for the ten years since 2007 continue for the next five years from 2017 through 2021?*

FIGURE TWO: LIVE BIRTHS IN THE
LANCASTER CENTRAL SCHOOL DISTRICT
ENROLLMENT AREA
2007-2016

$$y = 1.0848x + 355.13$$

WILL THE PATTERN OF LIVE BIRTHS OF THE DISTRICT OVER THE PAST TEN YEARS CONTINUE IN THE NEXT FIVE YEARS?
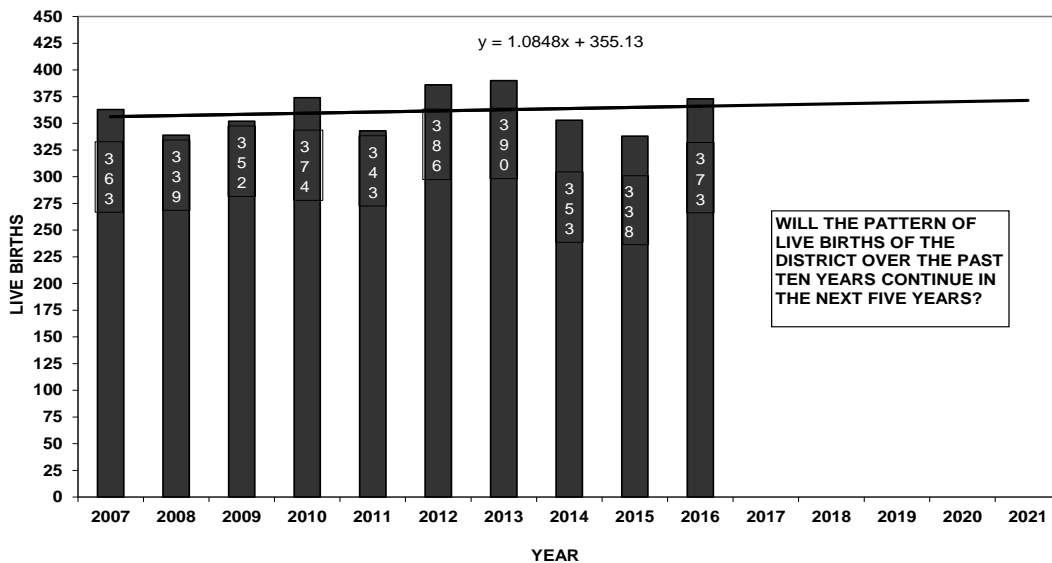
Figure Two-A below illustrates the pattern of live births in the Lancaster School District over the past six years from 2011-2016. Viewing the live birth data over the past six years instead of ten illustrates the most current influence of demographic variables that may affect the annual number of live births in the school district. The six year pattern is slightly decreasing (slope of -.88).. The live birth totals for 2012 and 2013 were the highest since 2007. After two years of reduced live birth totals, the 2016 live births in the district increased to 373. *Will the slightly decreasing historical pattern of live births since 2011 in the Lancaster School District service area shown in Figure Two-A continue for the next five years through 2021?*

FIGURE TWO-A: LIVE BIRTHS IN THE LANCASTER CENTRAL SCHOOL DISTRICT ENROLLMENT AREA 2011-2016

$y = -0.8857x + 366.93$

WILL THE PATTERN OF LIVE BIRTHS OF THE DISTRICT OVER THE PAST SIX YEARS CONTINUE IN THENEXT FIVE YEARS?
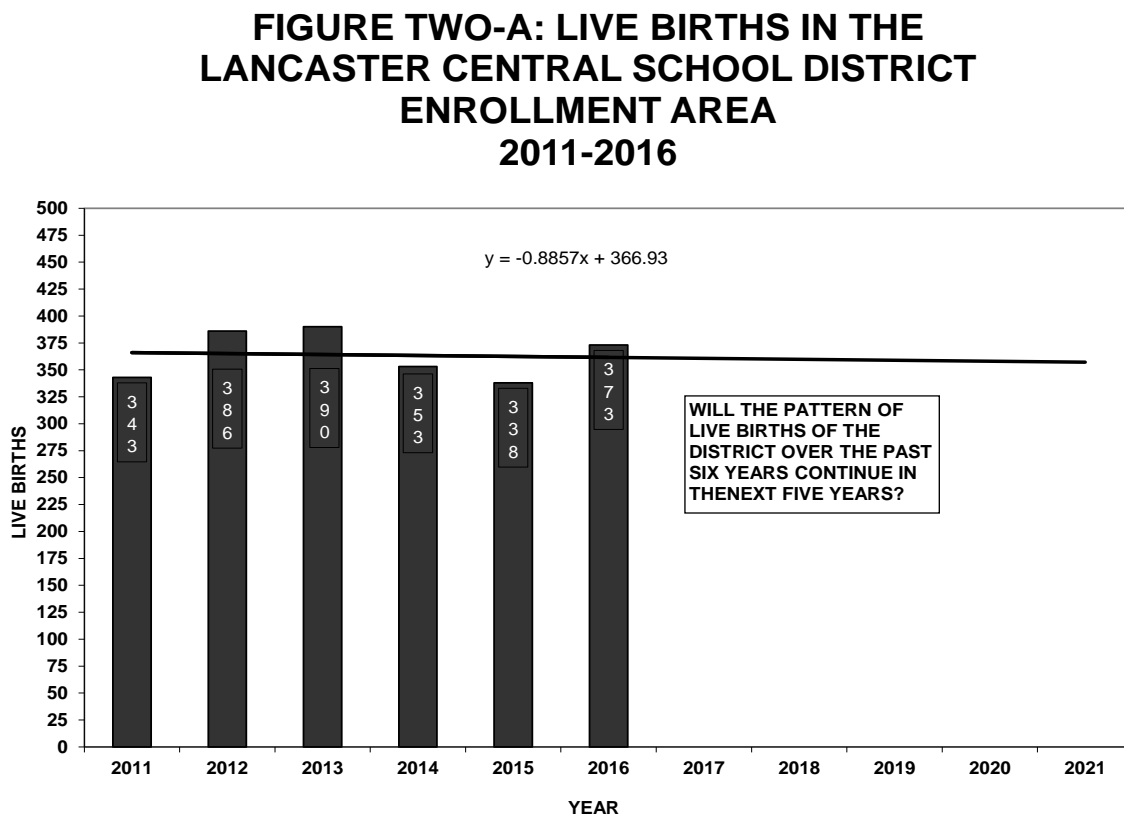
Figure Three below charts the pattern of live births over the past ten years for Erie County, the school district enrollment area, and for the 'catchment area' towns of the district in one illustration. The trend lines demonstrate the difference in the rates of live birth patterns in the school district, the towns in which the district is located, and the County as a whole. The pattern of live births since 2007 in the school district *enrollment area* is increasing, but at a slower rate compared to the live birth patterns in the County and charted for the school district "catchment area" (towns in which Lancaster is located).

FIGURE THREE: LANCASTER SCHOOL DISTRICT ENROLLMENT AREA, CATACHMENT AREA, AND ERIE COUNTY BIRTH TRENDS 2007-2016

ERIE COUNTY

$y = 32.594x + 10593$

LIVE BIRTHS

CATCHMENT AREA $y = 11.073x + 1485$

SCHOOL DISTRICT $y = 1.0848x + 355.13$

2007   2008   2009   2010   2011   2012   2013   2014   2015   2016

YEAR
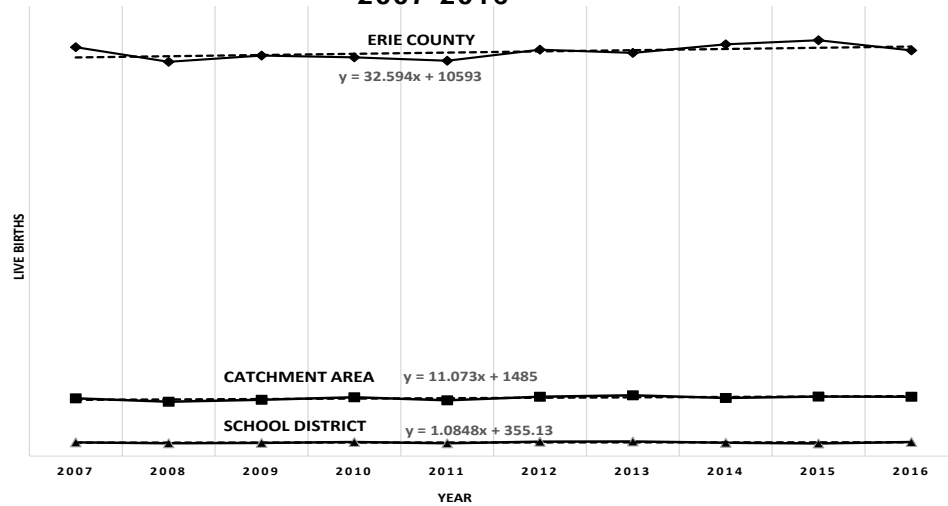
DISTRICT KINDERGARTEN ENROLLMENTS AND DISTRICT LIVE BIRTHS

Figure Four below charts the Lancaster School District kindergarten enrollment from 2008 through 2017. The pattern illustrates a decreasing kindergarten enrollment pattern over 10 years; -1.127 slope. The range of change over the ten years is from a low of 353 kindergarten enrollments in 2012 to a high of 443 kindergarten enrollments in 2017. Comparing the kindergarten enrollments in 2008 with the total in 2017, the change is 4 more or +.9%. *Will the decreasing pattern of the past ten years of kindergarten enrollment in the Lancaster School District continue into the future?*

FIGURE FOUR: LANCASTER SCHOOL DISTRICT KINDERGARTEN ENROLLMENT 2008-2017

$y = -1.1273x + 401.2$

439   415   396   370   353   383   378   401   372   443

WILL THE PATERN OF KINDERGARTEN ENROLLMENTS OVER THE PAST TEN YEARS CONTINUE IN THE THE NEXT FIVE YEARS?

ENROLLMENT

2008   2009   2010   2011   2012   2013   2014   2015   2016   2017   2018   2019   2019   2020   2021

YEAR

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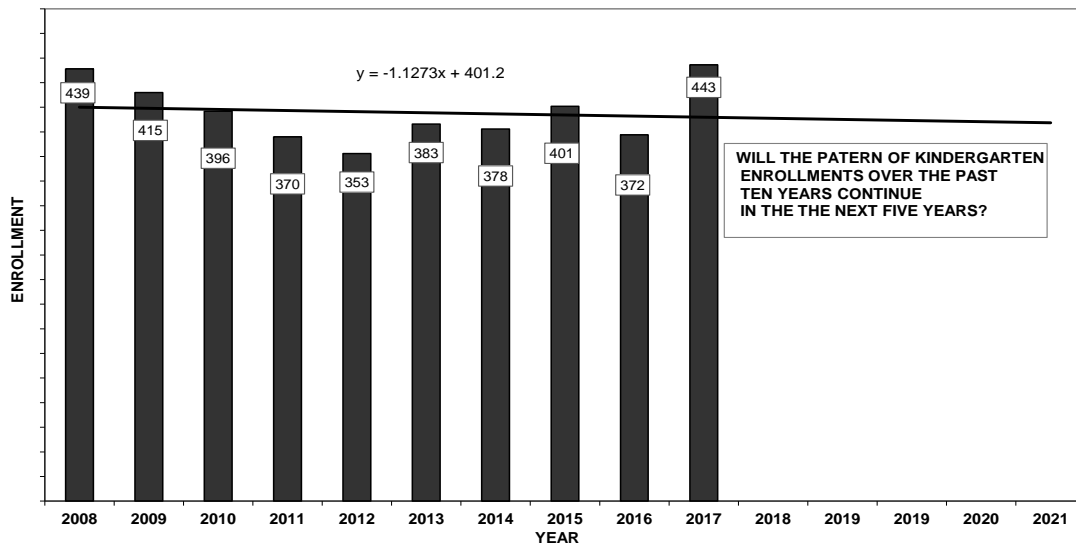
Figure Five below charts the Lancaster School District kindergarten enrollment from 2012 through 2017. There is an increasing pattern of annual kindergarten enrollments over the past six school years (slope +12.7) compared to viewing enrollment data over the past ten years (slope of -1.127). *Will the increasing pattern of kindergarten enrollment over the past six years since 2012 continue into the future?*

FIGURE FIVE: LANCASTER SCHOOL DISTRICT KINDERGARTEN ENROLLMENT 2012-2017

y = 12.571x + 344.33

WILL THE PATTERN OF KINDERGARTEN ENROLLMENTS OVER THE PAST SIX YEARS CONTINUE IN THE NEXT FIVE YEARS?

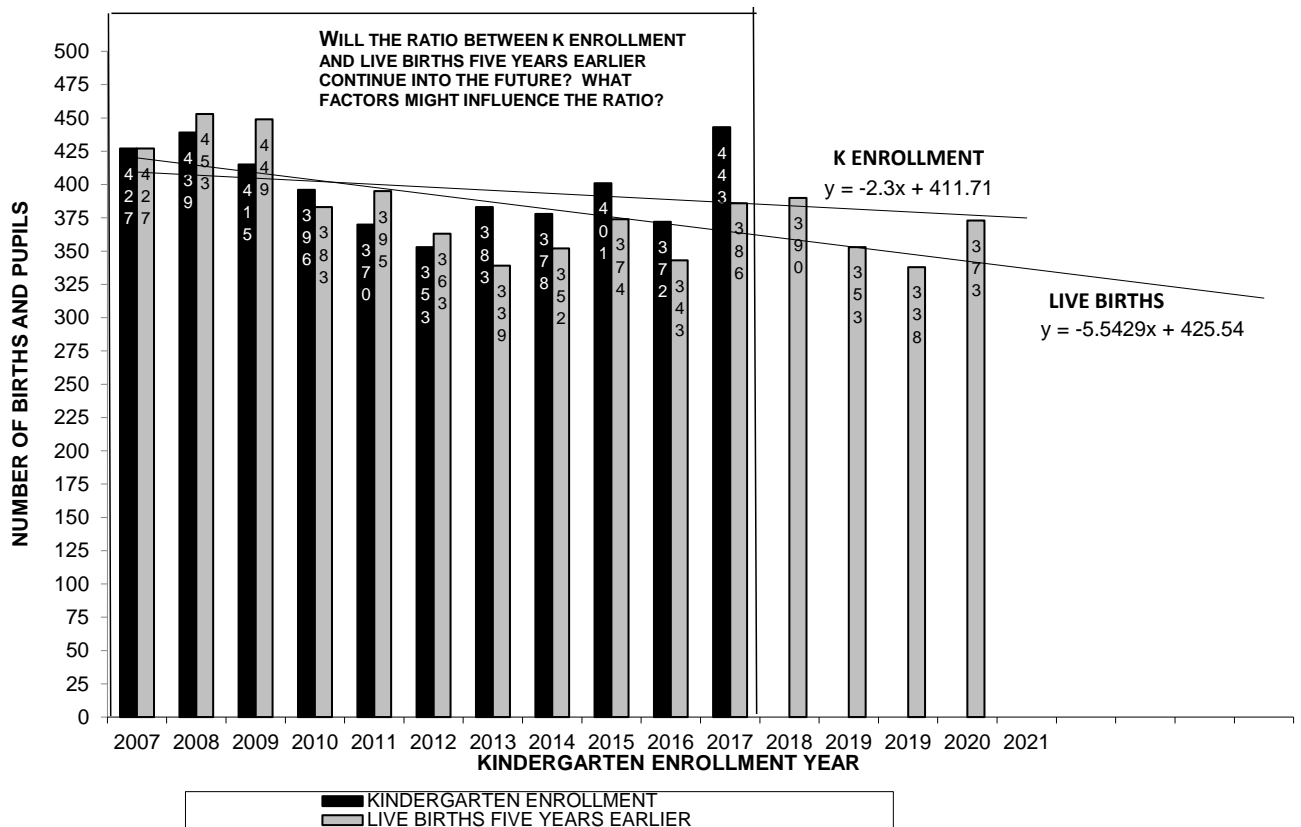| YEAR	Enrollment
2012	353
2013	383
2014	378
2015	401
2016	372
2017	443
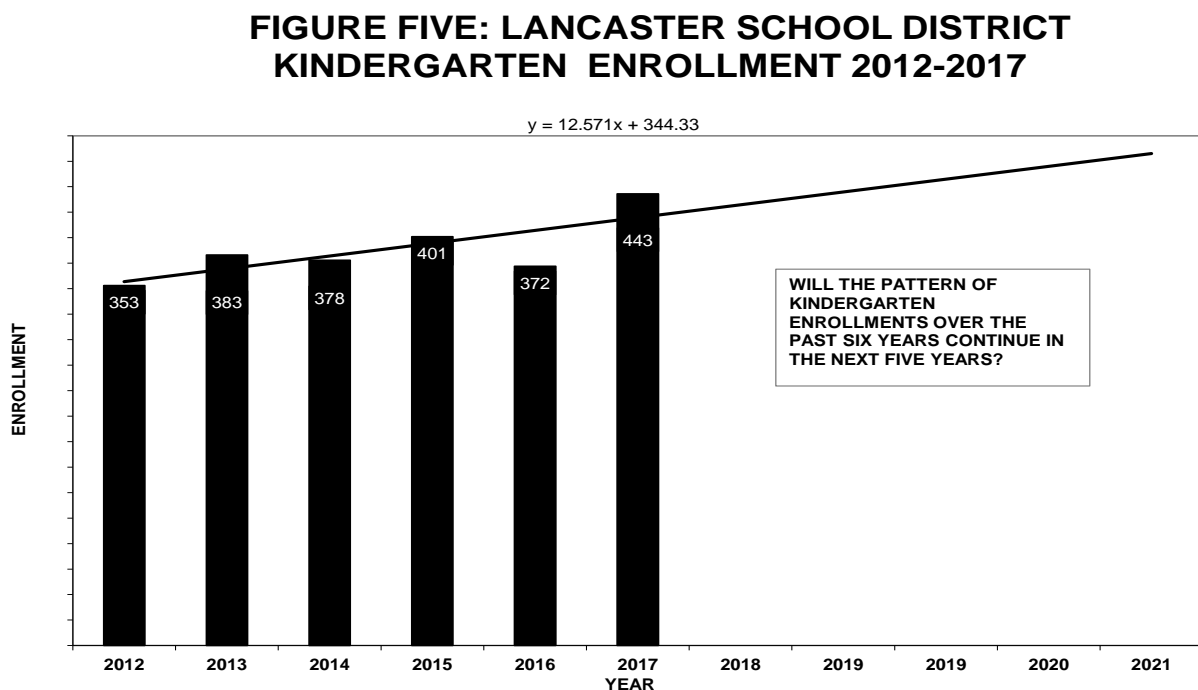
One way to suggest possible answers to the questions is to compare the pattern of kindergarten enrollments at Lancaster with the documented live births recorded for the school district enrollment area five years earlier each kindergarten enrollment year. *Figure Six* on the next page illustrates the pattern of kindergarten enrollments and the pattern of live births five years earlier each enrollment year. Note the pattern of higher kindergarten enrollments annually compared to the number of births in the school district five years earlier in each of the school years 2013 to 2017. The pattern documents that the district annually has had a large set of kindergarteners who enroll, but who were not born in the district from 2008-2012. The historical pattern suggests that the ongoing impact of kindergarten enrollments of children who are not born in the district is important to *sustain* the pattern of elementary enrollments the district has experienced since at least 2012. Note, though, that the gap between the numbers of live births born five years earlier each kindergarten enrollment year and the kindergarten enrollment of the respective year is getting larger. The sales of existing market housing and new housing to the market to households with children born elsewhere have helped to mitigate the pattern of fewer annual births in the Lancaster

School District and the impact of those fewer births on kindergarten enrollments in the district. The decreasing rate of kindergarten enrollments from 2007-2017 is slower than the pattern of live births in the district since 2002.

FIGURE SIX: PATTERN OF KINDERGARTEN ENROLLMENT AND THE PATTERN OF LIVE BIRTHS FIVE YEARS EARLIER IN THE LANCASTER SCHOOL DISTRICT

Annual live birth data for the school district does not exist before 2002. Therefore, comparing kindergarten enrollment numbers with births five years earlier in the district can only reliably be done for ten years from 2007-2017. *Given the annual kindergarten-live-birth ratios from 2007-2017, can the pattern of those ratios suggest what might be the kindergarten enrollments in years 2018 through 2022?*

The live birth data officially recorded by the New York State Health Department do provide a documented population factor that can be charted and statistically used to forecast estimated future kindergarten enrollments in the school district. There are no data to identify which specific kindergarten enrollments from 2007 through 2017 were of children not born in the enrollment area served by Lancaster. Similarly, there are no data to determine specifically how many children born in the school district enrollment area in the years 2002-2012 moved from the area and, therefore, did not enroll in Lancaster kindergarten classes for each year from 2007 through 2017. The study initially assumes that the

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migration of students both into and out of the town and the district will continue in a similar manner as it has during the years since 2002.
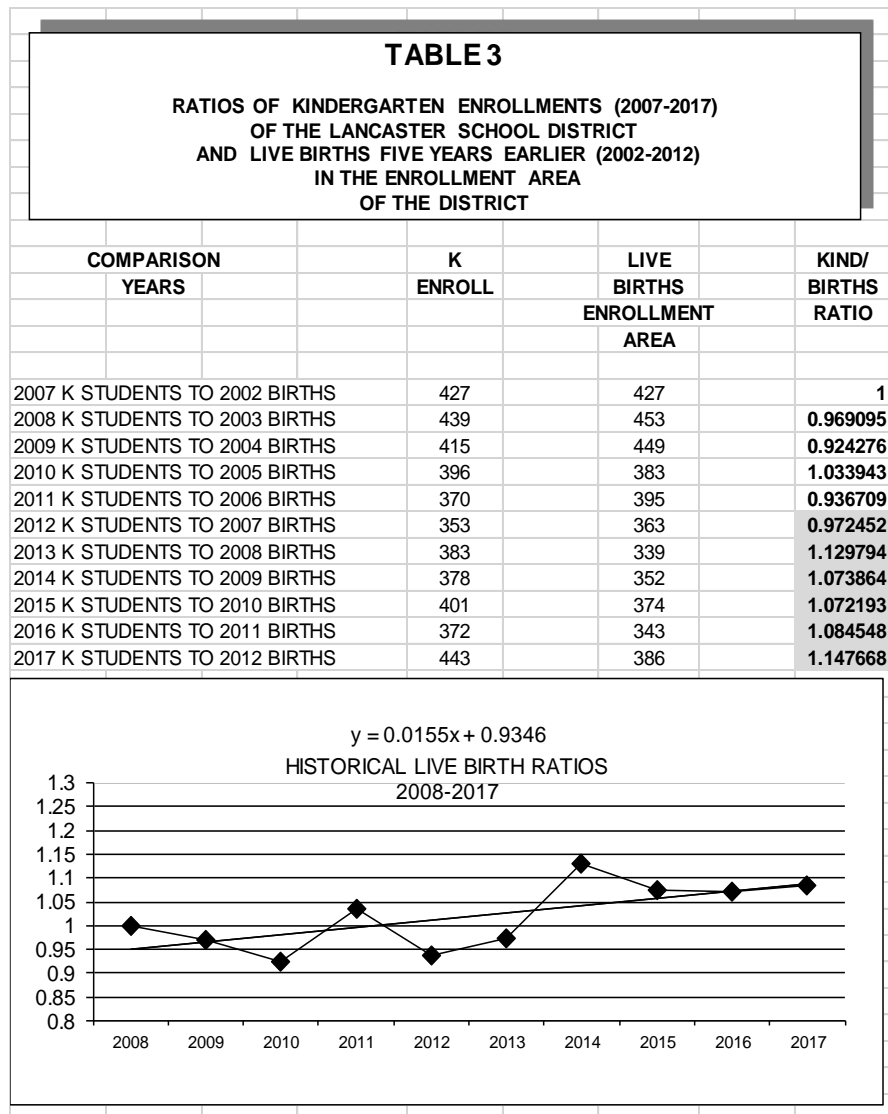
The *base cohort* enrollment projection calculations of the study assume the live birth trends and kindergarten trends described above will continue in the same pattern into the future.

KINDERGARTEN ENROLLMENT FORECASTS

Estimating future kindergarten enrollments is the most speculative aspect of projecting K-12 enrollments. However, analyzing historical annual kindergarten enrollments in concert with historical annual live birth data and patterns do reveal a set of defendable estimates of future kindergarten enrollments. These estimated future kindergarten enrollments can be included in the base cohort survival statistic application to project future K-12 enrollments.

In order to forecast future kindergarten enrollments, *Table 3* on the next page first compares the Lancaster kindergarten annual enrollments from 2007 to 2017 to the annual live births in the school district from 2002 to 2012. Ratios are calculated to determine the annual historical pattern of kindergarten enrollment in the Lancaster School District compared to all the children born five years earlier in the enrollment area served by the school district. The mathematical comparison of each annual kindergarten enrollment with the total live births five years earlier in the Lancaster enrollment area results in a set of ratios. For example, in 2014 there were 378 students enrolled in the kindergarten class. In 2009, there were 352 live births in the enrollment area of the school district. A ratio of 1.073864 results from comparing the 2014 kindergarten enrollment of 378 students with the 252 total live births five years earlier. That is, about 107% of the year 2009 live births in the Lancaster enrollment area became Lancaster kindergarten pupils in 2014. From 2003 through 2012, there were 3837 births in the Lancaster enrollment area. From 2008 through 2017, there were 3950 kindergarten enrollments. The live-birth-kindergarten ratio for this ten-year period is 1.02945. That is, there were about 103% more children enrolled as kindergarten pupils at Lancaster from 2008-2017 than were born in the district from 2003 to 2012. The mean ratio is 1.034. The median is 1.053. The annual live-birth-kindergarten ratios are subject to at least four variables: one, the number of live births resident in the district; two, the number of preschoolers born in the district who move from the district and do not enroll at Lancaster; three, the number of preschoolers who move to the district and enroll in the district for kindergarten; and four, the number of preschoolers born in the district or move to the district who do not attend public school for kindergarten.

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It is important to note the noticeable change in live birth ratios starting in 2012 through 2017 (shaded ratios in *Table 3* below) compared to the unshaded live birth ratios from 2007 through 2011. From 2007 through 2012, there were 2157 births in the Lancaster enrollment area. From 2012 through 2017, there were 2330 kindergarten enrollments. The live-birth-kindergarten ratio for this six-year period is 1.080204. That is, there were about 108% more children enrolled as kindergarten pupils at Lancaster from 2012-2017 than were born in the district from 2007-2012. The mean ratio is 1.08. The median is 1.079. The enrollment of pupils who were not born in the school district and who enrolled in Lancaster kindergarten classes is a significant factor influencing the pupil population from 2012 through 2017.

TABLE 3

RATIOS OF KINDERGARTEN ENROLLMENTS (2007-2017)
OF THE LANCASTER SCHOOL DISTRICT
AND LIVE BIRTHS FIVE YEARS EARLIER (2002-2012)
IN THE ENROLLMENT AREA
OF THE DISTRICT

COMPARISON YEARS	K ENROLL	LIVE BIRTHS ENROLLMENT AREA	KIND/ BIRTHS RATIO
2007 K STUDENTS TO 2002 BIRTHS	427	427	1
2008 K STUDENTS TO 2003 BIRTHS	439	453	0.969095
2009 K STUDENTS TO 2004 BIRTHS	415	449	0.924276
2010 K STUDENTS TO 2005 BIRTHS	396	383	1.033943
2011 K STUDENTS TO 2006 BIRTHS	370	395	0.936709
2012 K STUDENTS TO 2007 BIRTHS	353	363	0.972452
2013 K STUDENTS TO 2008 BIRTHS	383	339	1.129794
2014 K STUDENTS TO 2009 BIRTHS	378	352	1.073864
2015 K STUDENTS TO 2010 BIRTHS	401	374	1.072193
2016 K STUDENTS TO 2011 BIRTHS	372	343	1.084548
2017 K STUDENTS TO 2012 BIRTHS	443	386	1.147668

$y = 0.0155x + 0.9346$

HISTORICAL LIVE BIRTH RATIOS
2008-2017

Low, Mid, and High Kindergarten Enrollment Estimates

The historical kindergarten enrollments of the Lancaster School District and historical live birth data are analyzed three ways. The three analyses form the basis for three kindergarten enrollment forecasts. The

three kindergarten forecasts are used to develop Low, Mid, and High K-12 enrollment projection calculations. One forecast (***Table 4***) of future kindergarten enrollments assumes that the live births in the school district enrollment area will continue in the same pattern as it has for the past ten years since 2007. It also assumes that the kindergarten-enrollment–to-live-birth ratio derived from comparing the total live births in the district from 2003 through 2012 with the kindergarten enrollments from 2008 through 2017 is a historically based ratio that is possible to expect in the future. Forecast scenario one is the basis for the *low range* enrollment projection calculations *with a view* of *five years into the future for the elementary grades*.

TABLE 4

PROJECTED LANCASTER SCHOOL DISTRICT 2018-2027 KINDERGARTEN ENROLLMENTS BASED UPON (A) THE EXPONENTIAL TREND ANALYSIS OF THE TEN YEAR HISTORICAL PATTERN OF ENROLLMENT AREA LIVE BIRTHS FROM 2007 THROUGH 2016 AND (B) THE RATIO DERIVED FROM TOTAL ENROLLMENT AREA LIVE BIRTHS ('03-'12) AND TOTAL DISTRICT KINDERGARTEN ENROLLMENT ('8-'17)

YEAR	PROJECTED K-ENROLL.	YEAR	LIVE BIRTHS ENROLL. AREA	K-ENROLL TO LIVE BIRTH RATIO '08-'17
2018	401	2013	390	1.02945
2019	363	2014	353	1.02945
2020	348	2015	338	1.02945
2021	384	2016	373	1.02945
			PROJECTED LIVE BIRTHS	
2022	378	2017	367	1.02945
2023	379	2018	368	1.02945
2024	380	2019	369	1.02945
2025	381	2020	370	1.02945
2026	382	2021	371	1.02945
2027	383	2022	372	1.02945

ESTIMATED FUTURE KINDERGARTEN ENROLLMENTS SCENARIO I

$$y = -0.0727x + 382.62$$

HISTORICAL

PROJECTED

PREMISE FOR LOW RANGE ESTIMATE

A second forecast of estimated future kindergarten enrollments (***Table 5***) assumes that the live births in the school district enrollment area will continue in the same pattern as it has for the past six years from 2011-2016. The forecast also assumes that the historical pattern of kindergarten-to-live-birth ratios for the

years 2012 through 2017 will reflect the pattern of the kindergarten/live birth ratios from 2018-2022. Forecast scenario two is the basis for the *mid-range* enrollment projection calculations *with a view of five years into the future for the elementary grades.*
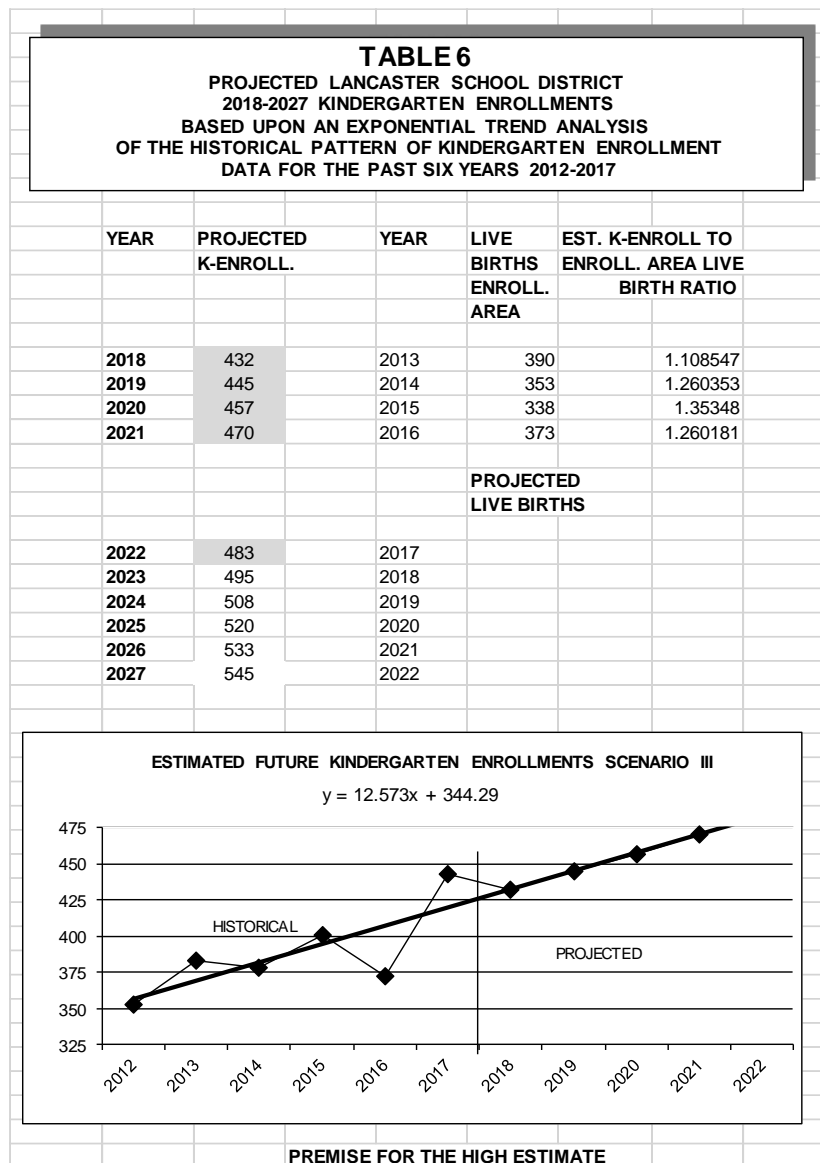
TABLE 5
PROJECTED LANCASTER SCHOOL DISTRICT 2018-2027 KINDERGARTEN ENROLLMENTS BASED UPON (A) THE EXPONENTIAL TREND ANALYSIS OF THE SIX YEAR HISTORICAL PATTERN OF ENROLLMENT AREA LIVE BIRTHS FROM 2011 THROUGH 2016, AND (B) THE EXPONETIAL ANALYSIS OF THE OF THE KINDERGARTEN-LIVE BIRTH RATIOS FROM 2012-2017

YEAR	PROJECTED K-ENROLL.	YEAR	LIVE BIRTHS ENROLL. AREA	K-ENROLL TO LIVE BIRTH EST. RATIO
2018	450	2013	390	1.15395
2019	415	2014	353	1.17506
2020	404	2015	338	1.19616
2021	454	2016	373	1.21727
			PROJECTED LIVE BIRTHS	
2022	447	2017	361	1.23837
2023	453	2018	360	1.25948
2024	460	2019	359	1.28058
2025	466	2020	358	1.30169
2026	472	2021	357	1.32279
2027	479	2022	356	1.34390

ESTIMATED FUTURE KINDERGARTEN ENROLLMENTS SCENARIO II

$$y = 8.5273x + 357.93$$

PREMISE FOR THE MID-ESTIMATE

A third forecast of kindergarten enrollments assumes that future kindergarten enrollments will follow the historical pattern of kindergarten enrollments from 2012 through 2017 *without* specific reference to historical live birth trends or kindergarten-to-live-birth ratio patterns (***Table 6***). Forecast scenario three is the basis for the *high range* enrollment projection *calculations with a view of five years into the future for the elementary grades.*

TABLE 6
PROJECTED LANCASTER SCHOOL DISTRICT
2018-2027 KINDERGARTEN ENROLLMENTS
BASED UPON AN EXPONENTIAL TREND ANALYSIS
OF THE HISTORICAL PATTERN OF KINDERGARTEN ENROLLMENT
DATA FOR THE PAST SIX YEARS 2012-2017

YEAR	PROJECTED K-ENROLL.	YEAR	LIVE BIRTHS ENROLL. AREA	EST. K-ENROLL TO ENROLL. AREA LIVE BIRTH RATIO
2018	432	2013	390	1.108547
2019	445	2014	353	1.260353
2020	457	2015	338	1.35348
2021	470	2016	373	1.260181
			PROJECTED LIVE BIRTHS	
2022	483	2017		
2023	495	2018		
2024	508	2019		
2025	520	2020		
2026	533	2021		
2027	545	2022		

ESTIMATED FUTURE KINDERGARTEN ENROLLMENTS SCENARIO III

$$y = 12.573x + 344.29$$

HISTORICAL   PROJECTED

(chart y-axis: 325, 350, 375, 400, 425, 450, 475; x-axis: 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022)

PREMISE FOR THE HIGH ESTIMATE

Summary of the Low, Mid, and High* Kindergarten Enrollment Baseline Estimates

Historical Kindergarten Enrollments		Estimated Kindergarten Enrollment Estimate Scenarios			
		School Year	LOW*	MID*	HIGH*
2013	383	**2018**	*401*	*450*	*432*
2014	378	**2019**	*363*	*415*	*445*
2015	401	**2020**	*348*	*404*	*457*
2016	372	**2021**	*384*	*454*	*470*
2017	443	**2022**	*378*	*447*	*483*
Five Year Average	396		375	434	457
Five Year Median	383		378	447	457

*Note: Low, Mid, High refers to and are defined by the estimates for <u>total K-6</u> enrollment five years from now; see pages 40-41 summary.

BASELINE K-12 ENROLLMENT PROJECTIONS

Tables 7A, B, and *C* in *Appendix B* present Low, Mid, and High range K-12 enrollment projections calculated using the cohort survival statistic. Each calculation is based on historical K-12 enrollments as reported by the school district for each of the school years 2012-2013 through 2017-2018. The historical enrollment data are used to calculate 'percentage of survival' ratios for each grade level K-12. The ratios quantify the rate of change in number of students in a particular grade level compared to the number of students in the next higher grade level in the following year. The 'survival ratios' are averaged for each grade level from 2012-2013 through 2017-2018. The six-year average ratios for each grade level are used to calculate estimated future grade 1-12 enrollments through 2027-28. As noted earlier in the study, the best tools for planning are the enrollment projections for grades K-6 over the next five years; for grades 7-8 over the next eight years; and for grades 9-12 over the next ten years.

The chart below illustrates the low, mid, and high K-12 enrollment projections for the years 2018-2019 through 2027-2028 applying the cohort survival statistic and the three forecast scenarios to estimate future kindergarten enrollments. Please note that the validity of kindergarten through grade 6 enrollment estimates extends only to five years into the future. Therefore, the validity of K-12 estimates for 2023-2027 are not as strong as the K-12 estimates for 2018-2022.

GRADES K-12 ESTIMATED BASELINE COHORT ENROLLMENT PROJECTIONS 2018-2027 LANCASTER CENTRAL SCHOOL DISTRICT

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
HISTORICAL	5842	5761	5741	5723	5641	5614										
BASELINE COHORT LOW RANGE							5559	5531	5447	5404	5380	5396	5403	5409	5404	5415
BASELINE COHORT MID RANGE							5608	5633	5607	5636	5684	5780	5874	5972	6066	6181
BASELINE COHORT HIGH RANGE							5590	5644	5671	5718	5803	5822	5843	5873	5902	5955

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MIGRATION TO AND OUT OF THE DISTRICT

The historical 'percentage of survival ratios' from grade-to-grade in Tables *7A, B, and C* are reflective of the historical pattern of migration to and out of the school district. Charted below are the school year **net** 'transferred in' and 'transferred out' during the school year K-12 pupil enrollment data for the past four years as provided by the school district. The enrollment changes due to migration are reflected in the enrollment estimated calculations based on the historical pattern of grade level enrollments since 2012 and the rates of 'survival' of the total number of pupils in one grade level into the next grade level the next school year.

Grade	2013-2014			2014-2015			2015-2016			2016-2017		
	In	Out	Net	In	Out	Net	In	Out	Net	In	Out	Net
K-3	89	64	+25	102	71	+31	109	82	+27	128	72	+56
4-6	46	35	+11	57	33	+24	58	49	+9	67	36	+31
7-8	32	20	+12	32	19	+13	45	31	+14	24	22	+2
9-12	49	27	+22	72	40	+32	31	28	+3	42	21	+21
Totals:	**216**	**146**	+70	**263**	**163**	+98	**243**	**190**	+53	**261**	**151**	+110
	5761 K-12 enrollment			5741 K-12 enrollment			5723 K-12 enrollment			5641 K-12 enrollment		
% Rate of transfer in and transfer out	+3.7%	- 2.5%	+1.2%	+4.6%	- 2.8%	+1.8%	+4.2%	- 3.3%	+.9%	+4.6%	- 2.7%	+1.9%

Observations:

- ✓ Over the past four school years, there is **net added** enrollment during each respective school year to each grade level configuration due to 'transfers in' the district and 'transfers out' of the district. The range of the **net added** K-12 enrollment during the school year over the past four years is from +.9% to +1.9%. The four year average **net added** K-12 enrollment rate expressed as a percentage of annual total K-12 enrollment is +1.5%.
- ✓ Over the past four school years, the range of added K-12 enrollment due to 'transfers in' the district during the school year is from +3.7% to +4.5%. The four year average 'transfers in' rate expressed as a percentage of annual total K-12 enrollment is +4.3%.
- ✓ Over the past four school years, the range of decreased K-12 enrollment due to 'transfers out' of the district during the school year is from -2.5% to -3.3%. The four year average 'transfers out' rate expressed as a percentage of annual total K-12 enrollment is -2.8%.

	Total K-12 Migration			K-12 Enrollment	*Rate of Annual Migration*
	IN	OUT	Chg		
2013-2014	216	146	+70	5761	6.28%
2014-2015	263	163	+98	5741	7.45%
2015-2016	243	190	+53	5723	7.57%
2016-2017	261	151	+110	5641	7.3%
Total over Four School Years	**+983**	**-650**	**+331**	**Average**	**7.14%**

	Total K-3 Migration			K-3 Enrollment	Rate of Annual Migration
	IN	OUT	Chg		
2013-2014	89	64	+25	1519	10.07%
2014-2015	102	71	+31	1523	11.36%
2015-2016	109	82	+27	1557	12.27%
2016-2017	128	72	+56	1577	12.68%
Total over Four School Years	**+428**	**-289**	**+139**	**Average**	**11.6%**

	Total 4-6 Migration			4-6 Enrollment	Rate of Annual Migration
	IN	OUT	Chg		
2013-2014	46	35	+11	1365	5.93%
2014-2015	57	33	+24	1307	6.89%
2015-2016	58	49	+9	1260	8.49%
2016-2017	67	36	+31	1220	8.44%
Total over Four School Years	**+228**	**-153**	**+75**	**Average**	**7.44%**

	Total 7-8 Migration			7-8 Enrollment	Rate of Annual Migration
	IN	OUT	Chg		
2013-2014	32	20	+12	944	5.51%
2014-2015	32	19	+13	922	5.53%
2015-2016	45	31	+14	965	7.88%
2016-2017	24	22	+2	929	4.95%
Total over Four School Years	**133**	**92**	**41**	**Average**	**5.97%**

	Total 9-12 Migration			9-12 Enrollment	Rate of Annual Migration
	IN	OUT	Chg		
2013-2014	49	27	+22	1933	3.93%
2014-2015	72	40	+32	1989	5.63%
2015-2016	31	28	+3	1941	3.04%
2016-2017	42	21	+21	1915	3.29%
Total over Four School Years	**194**	**116**	**+78**	**Average**	**3.97%**

Observations and possible discussion questions:

- There is a 'turnover' of about 7 out of each 100 enrolled pupils annually over the past four years at Lancaster Central School District. On-average over four years, Lancaster CSD has about 7 % of its annual K-12 pupil enrollment changing from after school starts in September through the end of the school year on June 30.

- Grades 7-8 and 9-12 have the lower 'turnover' rates on-average annually; 5.9% at grades 7-8 and 3.9% at grades 9-12.
- Relative to the 'transfers in-transfers out' historical pattern at Lancaster CSD, the elementary grades have the higher 'turnover' rates on-average annually; 11.6% at grades K-3 and 7.44% at grades 4-6. How does the pupil 'turnover' influence the delivery of the program at the various grade levels particularly at grades K-3 with the highest average annual turnover rate of 11.6%? On-average about 12% of the clients at grades K-3 change during a school year September-June.
- What are the resources necessary to achieve the logistics of such an estimated in-out migration of elementary pupils annually? What is the impact on pedagogy, program delivery, program assessment data/decisions, and resources to serve in-migration pupils after the school year starts? What is the impact on pedagogy, program delivery, and resources to serve out-migration pupils after the school year starts?
- The district may want to begin to chart the reasons for out-migration and in-migration at the K-3 grade configuration in order to analyze possible opportunities/challenges for the district regarding population/K-3 enrollment changes in the future.

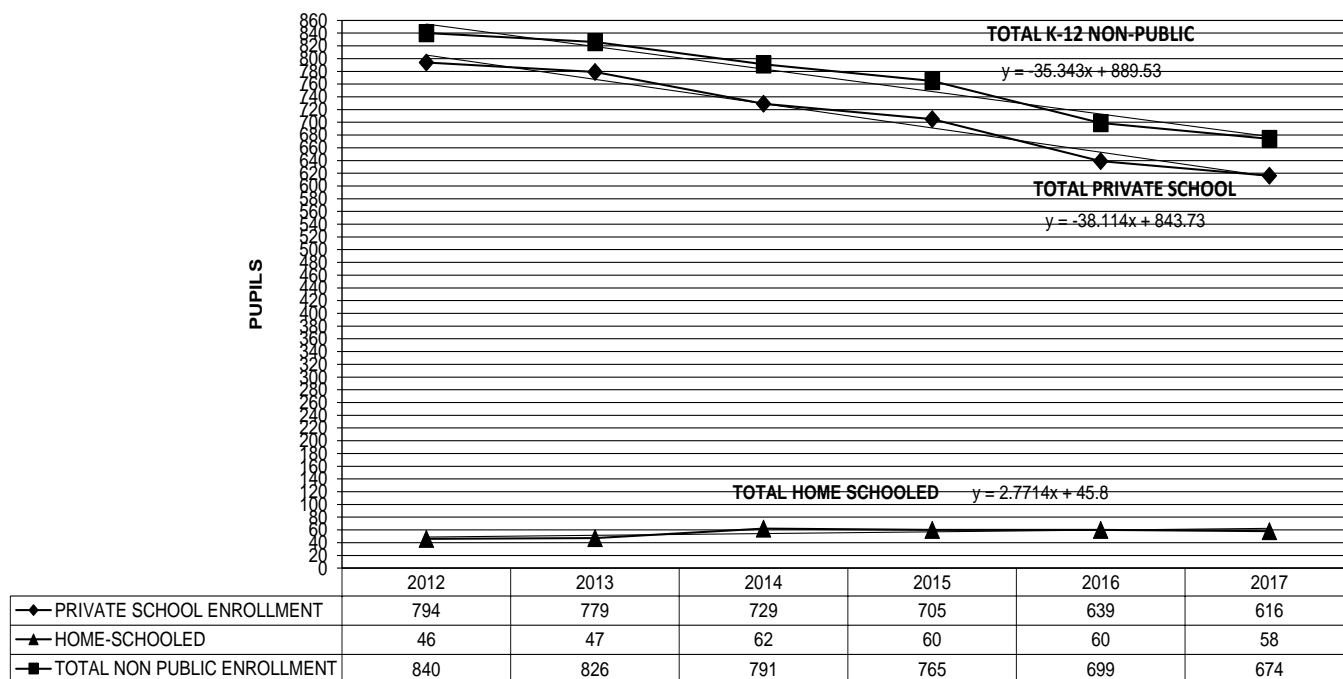## DISTRICT ENROLLMENT AND HOME-SCHOOL/NON-PUBLIC ENROLLMENT

The district reports the following *historical non-public school enrollment data and home schooled data* for the school years 2012-2013 through 2017-2018. Charter School enrollments are included in the private school counts. Private school counts are dependent on parent communication with the school district.

SCHOOL YEAR	NON-PUBLIC PRIVATE SCHOOL ENROLLMENT and CHARTER		
	K-8	9-12	TOTAL ENROLLMENT
2012	533	261	794
2013	524	255	779
2014	471	258	729
2015	436	269	705
2016	385	253	639
2017	357	259	616
SCHOOL YEAR	HOME SCHOOLED ENROLLMENT		
	K-8	9-12	TOTAL ENROLLMENT
2012	39	7	46
2013	36	11	47
2014	47	15	62
2015	42	18	60
2016	42	18	60
2017	40	18	58

Since 2012 there is an increasing pattern of home schooled pupils. The pattern of K-12 non-public and charter pupils is decreasing as well as the total number of Lancaster resident pupils served in a private or charter school setting. In 2014, there were regional closings of non-public parochial schools. Four such

school closings impacted resident Lancaster pupils. Ninety-one Lancaster resident pupils relocated to other non-public schools or enrolled at the Lancaster Central School District.

NON PUBLIC/HOME-SCHOOL ENROLLNENTS
2012-2017

	2012	2013	2014	2015	2016	2017
PRIVATE SCHOOL ENROLLMENT	794	779	729	705	639	616
HOME-SCHOOLED	46	47	62	60	60	58
TOTAL NON PUBLIC ENROLLMENT	840	826	791	765	699	674

The graph labels include: TOTAL K-12 NON-PUBLIC $y = 35.343x + 889.53$; TOTAL PRIVATE SCHOOL $y = -38.114x + 843.73$; TOTAL HOME SCHOOLED $y = 2.7714x + 45.8$

The six year historical set of non-public and home schooled annual data suggests the following patterns.

	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		mean	
K-12 Lancaster Public School Enrollment	**5842**		**5761**		**5741**		**5723**		**5641**		**5614**		**5732**	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
K-12 Private School (including Charter Schools)	794	*13.6*	779	*13.5*	729	*12.7*	705	*12.3*	639	*11.3*	616	*11*	**710**	*12.4*
K-12 Home Schooled	46	*.79*	47	*.82*	62	*1.1*	60	*1.1*	60	*1.1*	58	*1*	**56**	*1*
K-12 All Non-public	#	%	#	%	#	%	#	%	#	%	#	%	#	%
	840	*14.4*	826	*14.3*	791	*13.8*	765	*13.4*	699	*12.4*	674	*12*	**766**	*13.4*

It is assumed that the private school and home-school enrollment data have already been incorporated into the pattern of historical public school enrollments since 2012. Over the past six school years, private

school K-12 enrollment compared to total public school enrollments has decreased by 2.2%. K-12 home school enrollment compared to total public school enrollments increased by .2% over the same six school years. Total K-12 private school pupils represent an average of 12.4% of the public school enrollment for each of the past six school years. Home schooled enrollment averages about 1% of the K-12 public school enrollments for the same period.

Comparing the enrollment numbers of Lancaster resident pupils in non-public school and charter schools in 2017 to 2012, there is a decrease of 178 enrollments or -22.4%. Comparing the enrollment numbers of Lancaster resident pupils in home school settings in 2017 to 2012, there is an increase of 12 enrollments or +26.1%

No changes, at this time, are made to the baseline enrollment projection calculations because of the pattern of non-public or home schooled enrollments historical pattern since 2012. The district may wish to take a conservative approach in looking at future enrollment of new school-aged population generated by any future estimated influence of the family residence market in the district. A conservative assumption based on the pattern of non-public/home schooled enrollment over the past six years is that about 13 to 14% of any new school-aged population expected or estimated to move to the district will attend non-public settings instead of the public school system.

The ongoing attention by the district to track the private school, home-school, and charter school enrollment data enables the district to analyze the possible influence of non-public enrollments on future enrollment projections. It is suggested that efforts be given to contact families of K-12 pupils who have chosen to enroll their children in other schools or practice home schooling. Learning about the reasons for their non-district enrollment decisions may help the district choose various initiatives, if appropriate. Such information may be an added asset as the district, along with other agencies and businesses of the district, prepare welcoming information for new residents. A communication/information strategy with current non-public school families may encourage public school enrollment and parent comfort about switching children from a private school experience to the opportunities of instruction offered by Lancaster as a public school. Such a strategy of communication and information also strengthens relationships with all taxpayers of the district regardless of where their children are enrolled.

ENROLLED TUITION STUDENTS

Lancaster CSD does not accept non-resident pupils on a tuition paid basis.

DISTRICT ENROLLMENT AND DROPOUT RATES/NON-COMPLETION RATES

High school graduation non-completion rates since 2010-2011 for the Lancaster Central School District are charted below as published by the State Education Department.

HIGH SCHOOL NON-COMPLETION RATES FOR ALL
LANCASTER STUDENTS*

YEAR	# DROPPED OUT	# ENTERED GED PROGRAM	TOTAL NON-COMPLETERS
16-17	-	-	-
15-16	5	0	5
14-15	6	0	6
13-14	-	-	-
12-13	-	-	-
11-12	3	2	5
10-11	5	0	5
Totals over seven years	19	2	**21**
2011-2012 through 2016-2017 average non-completers per year:			**3 pupils**

.*Noncompletion and GED rates are also recorded for 'Students with Disabilities' and 'General Education Students' separately by the SED. The rates are combined in this summary chart and are reflective of 'All Students'.

The dropout rate and the 'non-completer' rate protocol are factors to review as part of enrollment projection studies. The factors give insight about how many students leave enrollment before they become high school completers. A source of added school district enrollment is the success of the school district through program and academic intervention efforts in keeping existing enrollment as long as possible to culminate in high school graduation. Enrollment of students in a GED course of study is not viewed by SED as a program and academic intervention to keep enrollees in the 'public school system' since such GED enrollees are identified as 'noncompleters.' The State Education Department graduation data charted above shows that Lancaster has about 3 non-completers per school year since 2010-2011. The district provides ongoing coordinated efforts to help all pupils complete graduation requirements.

Lancaster has committed program and Academic Intervention curriculum/staff efforts to achieve the New York State academic standards and graduation requirements for all students. Some major elements of the comprehensive effort to help ensure the graduation of all students also include:

- ✓ Summer School – credit recovery 9-12
- ✓ LEAP-Evening Alternative School
- ✓ Starting in 2018; Alternative 9-12 school within the school day in the district
- ✓ Summer School K-12
- ✓ Comprehensive ongoing analysis of student data to assist in keeping pupils on a continuous learning path

✓ Comprehensive school district Academic Intervention Services plan K-12

No changes, at this time, are made to the baseline enrollment projection calculations because of the potential of decreasing the number of non-completers in the future. The ongoing discussion in the district about how to help all pupils succeed may identify other elements of the Academic Intervention Program K-12 that may reduce the on-average two to three non-completers annually.

It is clear based on historical data that the Lancaster School District program delivery culture includes ongoing discussion and planning as to how to help each pupil complete high school with a diploma. The chart below lists the historical non-completion data from 2001-2002 through 2010-2011 as published by the New York State Education Department. It is important to note the major intervention change in the number of non-completers over the past seven school years for which data are published compared to the nine years from 2001-2002 through 2009-2010.

YEAR	# DROPPED OUT	# ENTERED GED PROGRAM	TOTAL NON-COMPLETERS
09-10	17	0	17
08-09	34	0	34
07-08	44	0	44
06-07	43	0	43
05-06	48	0	48
04-05	42	1	43
03-04	46	2	48
02-03	40	7	47
01-02	45	0	45
Totals over nine years	**359**	**10**	**369**
2001-2002 through 2009-2010 average non-completers per year:		**41 pupils**	

.*Noncompletion and GED rates are also recorded for 'Students with Disabilities' and 'General Education Students' separately by the SED. The rates are combined in this summary chart and are reflective of 'All Students'.

PERSPECTIVE OF THE CURRENT HOUSING MARKET IN THE SCHOOL DISTRICT

A step in preparing this study is to interview one or more realtors referred by the school district as community respected real estate professionals knowledgeable about the housing market in the Lancaster School District. Ms. Sharleen Scholz and Mr. Bill Severyn of Hunt Real Estate ERA on Como Boulevard in Lancaster were interviewed to gain insights about the housing market within the school district. The professional time and information of both realtors to help school district planning are greatly appreciated.

Ms. Scholtz shared that the 'reputation and quality' of the Lancaster School District is a major "asset" in sustaining a positive housing market within the geographic region of the school district. She noted that all four elementary school attendance zones attract homebuyers with similar equity. The Court Street and the southern Sciole area have primarily an older housing inventory. The Hillview and Como Park areas are more mixed with a quality older housing inventory and new construction.

The housing market in the Lancaster School District area can be described as a 'seller's market'. Charted below are some key market indicators for the past three years. Ms. Scholz was very generous in her time to provide these key residential market historical data for 2015-2017.

YEAR	SINGLE FAMILY Residential Units SOLD	AVERAGE SELLING PRICE	AVERAGE DAYS ON MARKET BEFORE SALE		CONDOS & TOWNHOUSES SOLD	AVERAGE SELLING PRICE	AVERAGE DAYS ON MARKET BEFORE SALE
2015	408	$177,945	47		63	$146,546	64
2016	397	$188,339	52		63	$162,731	79
2017	460	$196,238	35		47	$174,424	53

Over the past three years, a single family residential property is on the market on-average for about one and a half months before it is sold. A condo or townhouse is on the market on-average over the same three year period for a little over two months. The average sales price for single family residential units over the past three years is $187,507. The average for condos and townhouses over the same period is $161,234.

According to Ms. Scholz, most of her clients are families with one or two elementary age children. Another major set of clients are young couples looking to invest in their first home. She suggests that the housing market in the district has few options for 'empty-nesters' who may wish to down-size from family-sized homes to newly constructed units. Many 'empty nesters' have prudently refinanced mortgages to better terms over the past few years. As such, even though it is a 'seller's market', many 'empty-nesters' are not marketing their family-sized homes at this time. Moving to a down-sized unit, within the school district or outside the school district, is likely more expensive in the current market climate than remaining in their current homes. Inventory of existing family-size homes for sale is often below market demand.

POTENTIAL IMPACT OF THE EXPECTED NEW UNITS TO THE HOUSING MARKET ON FUTURE SCHOOL DISTRICT ENROLLMENTS

The codes/planning officials from the Towns of Cheektowaga, Elma, Lancaster, and the Villages of Depew and Lancaster shared the best available information about residential development projects as of January 12, 2018... The study sincerely thanks the respective officials for their time, accessibility, and information: Mr. Mathew Fischione of the Town and Village of Lancaster, Mr. Ray Balcezal of the Town of Elma, Mr. Don Bielefeldi of the Town of Cheektowaga, and Mr. Tony Fischione of Depew Village.

The Towns of Cheektowaga and Elma report no significant new household construction in the Towns that fall within the Lancaster School District. A preliminary discussion about a 126 unit subdivision in the Town of Elma portion of the School District took place about two years ago. No further progress has occurred. The Village of Depew shared that there was some discussion about an 8-10 multi-unit on 3.5 acres. No further progress has occurred. Another possible residential development just south of Andrew near Transit was discussed preliminarily by the owner. It is expected that a plan is 'years out'.

The Town of Lancaster reports the following housing developments and the current status as of January 12, 2018.

TOWN OF LANCASTER WITHIN THE BOUNDARIES OF LANCASTER CENTRAL SCHOOL DISTRICT			
IN REVIEW/PLANNING STAGE ('pre-application, concept review, SEQRA review, conditional approval, prelim review…."			
Development Name/location	**# Household units: (ex. single family, apartments, town houses, patio homes….)**	**Elementary Attendance Zone**	**BEST INFO ABOUT PHASE IN COMPLETION PLAN OF DEVELOPER**
Windsor Ridge South	128	Court Street	Preliminary Plan Approved
Summerfield Farms 8	55	Sciole	Preliminary Plan Approved
Summerfield Farms 7	58	Sciole (south)	Preliminary Plan Approved
Harris Hill	22	Hillview	Concept Plan
Brunck Road	174	Sciole	Concept Plan
Signal Drive	40	Court Street	Concept Plan
Trentwood	2	Hillview	Concept Plan
PERMIT(S) GRANTED; NOT OUT OF THE GROUND YET			
Development Name/location	**# Household units: (ex. single family, apartments, town houses, patio homes….)**	**Elementary Attendance Zone**	**BEST INFO ABOUT PHASE IN COMPLETION PLAN OF DEVELOPER**
Hidden Pines Phase 2	88	Como Park	2 years
Plum Creek Patio Homes	39	Court Street	2 years

UNDER CONSTRUCTION NOW			
Development Name/location	**# Household units: (ex. single family, apartments, town houses, patio homes….)**	**Elementary Attendance Zone**	**BEST INFO ABOUT PHASE IN COMPLETION PLAN OF DEVELOPER**
455 Pleasantview Drive	3	Hillview	1 year
Summerwind	40	Sciole	1 year

The study takes a very conservative approach in estimating the potential influence of the new residential market on future enrollments in the Lancaster School District. *Long-Range Facilities Plans-Reference Guide #A.6,* published by the State Education Department, counsels that:

> *Any extensive change in new local housing construction within the school district will inevitably influence student enrollment projections. However, a word of caution is raised here. Only evidence of sales or contracted construction should modify any basic enrollment projection.*

Cost of materials, the mortgage market, the ebbs and flow of the general economy and job market can influence the build-out schedule of permit approved residential projects. The same variables can influence the timeline for projects currently at the concept phase of goal setting. In addition, if the current 'concept or preliminary plan' stage developments move on to the permit stage, it is likely that the project phases may influence enrollments beyond five years from now. The validity of the enrollment projections of this study for grades K-6 is only five years into the future.

To estimate hypothetically numbers of new Lancaster pupil enrollments because of possible projects in the pre-concept review stage reported by the respective Town Planning/Codes Offices is not diligent or reliable now since available information about the project build-out timelines is incomplete. Therefore, these projects now in 'concept' stage of planning with the Towns are not included in the population/enrollment projections. It is recommended that it is diligent for the school district to have on-going contact with the Towns of Lancaster and Elma to be alerted if any of the projects move out of the concept, pre-formal Town review stage.

Town of Lancaster	Windsor Ridge South	128 units
	Summerfield Farms 8	55
	Summerfield Farms 7	58
	Harris Hill	22
	Brunck Road	174
	Signal Drive	40
	Trentwood	2
Town of Elma	At 'Aurora and Clinton'	126
Potential Future Upcoming Development		**605 units**

The study offers enrollment projection estimates based on the following residential developments that have some documented valid estimates of build-out and sales timelines as per the various Town Planning Officials and/or the project developers. The units in these developments total a possible 170.

In Progress Residential Development in the Lancaster School District Based on Information as of January 2018				
Town	Development	Estimated Units	*Estimated* Build-Out and Sales Timeline	
			2019	2020
Lancaster	Hidden Pines Phase 2	88	44	44
	Plum Creek Patio Homes	39	19	20
	455 Pleasantview Drive	3	3	
	Summerwind	40	40	
Estimated Unit Totals:		170	106	64

Estimated New Housing Units of Record and Demographic Assumptions

- ✓ It is assumed that *all* new school age population who move to the district because of the housing developments will enroll in the Lancaster Central School District. The six-year historical pattern of home schooled and private school enrollments of resident Lancaster school age children suggests that about 13.4% of resident school age children attend a non-public school or a charter school. The district may want to subtract the private school enrollment percentage as it views the estimated future pupil enrollments due to the housing developments of record.
- ✓ Seasonal residents will not occupy the new households.
- ✓ If existing residents of the District purchase/rent the new housing, it is assumed that the vacated housing units in the school district will attract householders that reflect the demographics of the Lancaster CSD as of the 2016 American Community Survey of Census data (published December 2017).
- ✓ The phase-in construction/occupancy will occur as inferred by information from the respective developers and/or Town Planning Offices as of January 2018.
- ✓ It is assumed that new population who live in the housing developments will reflect the demographic characteristics of the Lancaster Central School District as described in the 2016 ACS Census data report.
- ✓ Listed below are optional methods to estimate the school age population that might occupy up to the documented 170 added new housing units expected for Lancaster through 2021-2022.

	2019-2020	2020-2021
Est. Owned Units:	106	64
Option One:	Lancaster Census 2016 data: .33 public school pupils per household	
	Est: 35 pupils; (106 units x .33) **Assume 2.7 pupils per grade level** (35/13)	Est: 21 pupils; (64 units x .33) **Assume 1.6 pupils per grade level** (21/13)
Option Two:	106 with at least two bedrooms	64 with at least two bedrooms
	Assume that all will have households with one or more pupils under 18.	
	Lancaster Census 2016 data: All households with one or more residents under 18: 1.10 per unit	
	Est: 117 pupils; (106 units x 1.10) **Assume 9 pupils per grade level** (117/13)	Est: 70 pupils; (64 units x .1.10) **Assume 5.4 pupils per grade level** (70/13)
Option Three:	**Lancaster Census 2016 data: Average owner occupied household population size 2.65**	
	(2.65 x 106 owner occupied units) = est. 281 new population to Lancaster CSD	(2.65 x 64 owner occupied units) = est. 170 new population to Lancaster CSD

Lancaster Census 2015 data; population cohorts:

Under 5	5.1%
5 to 9	5.4%
10 to 14	7.4%
15 to 19	6.1%

Estimated 0 to 18 years old population added to the Lancaster CSD:

UNDER 5	19.1		UNDER 5	11.5
FIVE TO 9	16.3		FIVE TO 9	9.8
TEN TO 14	20.2		TEN TO 14	12.2
FIFTEEN TO 19	18.0		FIFTEEN TO 19	10.9

If one applies the estimated new population of 18 years and under population that results from the documented new residential housing units estimated as of January 2018, the chart on the next page estimates the number of added pupils per Lancaster grade level.

GRADE	2018-19	2019-20	2020-21	2021-22	2022-23	2022-23	2023-24
AGE 0-1	0.000	4.775	2.883	0.000	0.000	0.000	0.000
AGE 1-2	0.000	4.775	7.659	2.883	0.000	0.000	0.000
AGE 2-3	0.000	4.775	7.659	7.659	2.883	0.000	0.000
AGE 3-4	0.000	4.775	7.659	7.659	7.659	2.883	0.000
K	0.000	3.258	6.743	7.659	7.659	7.659	2.883
1	0.000	3.258	1.967	0.000	0.000	0.000	0.000
2	0.000	3.258	1.967	0.000	0.000	0.000	0.000
3	0.000	3.258	1.967	0.000	0.000	0.000	0.000
4	0.000	3.258	1.967	0.000	0.000	0.000	0.000
5	0.000	5.056	3.053	0.000	0.000	0.000	0.000
6	0.000	5.056	3.053	0.000	0.000	0.000	0.000
7	0.000	5.056	3.053	0.000	0.000	0.000	0.000
8	0.000	5.056	3.053	0.000	0.000	0.000	0.000
9	0.000	4.494	2.714	0.000	0.000	0.000	0.000
10	0.000	4.494	2.714	0.000	0.000	0.000	0.000
11	0.000	4.494	2.714	0.000	0.000	0.000	0.000
12	0.000	4.494	2.714	0.000	0.000	0.000	0.000

Summary Results of the Three Options to Estimate Future New Enrollment from the housing units to be built in the school district from 2018 through 2021.	
Option 1	56 additional pupils 2019-2021
Option 2	187 additional pupils 2019-2023
Option 3	118 additional pupils 2019-2023

Often the next step in the enrollment projection methodology is to apply the results of one or more of the Options to the Cohort Survival Statistic to adjust the baseline enrollment projections already reported in the study by the estimated influence of expected new housing unit construction documented for the school district. The sustained historical pattern of high live birth-kindergarten annual enrollment ratios over the past six years is an atypical demographic characteristic for most districts. The strong and sustained pattern over the past six years of influx of pupils to the district who were born elsewhere is a foundation element in estimating the **baseline** low, mid and high enrollment projections. Over the past six school years the ratios between annual kindergarten enrollments and annual live births five years earlier of each kindergarten enrollment year range from .973 (97.3% in 2012) to 1.148 (114.8% in 2017). The ratios indicate how the sale of existing housing market inventory and the sale of new residential construction units have encouraged many households with school age children to move to the Lancaster School District. There is an estimated increase of about 170 new household units to the Lancaster market between 2018 and 2221. The possible increase of between 56 to 187 additional pupils who may live in those units over the next three to seven years is suggested to be reflective of the Lancaster housing market over the past six years as described by the live birth-kindergarten ratios and grade-to-grade survival ratios. The housing market of existing and new construction has supported increasing the number of public school enrollments at Lancaster by children not born in the Lancaster School District.

The study suggests that the estimated new school-age pupils expected because of the estimated new housing units are *'normal and usual'* of the six-year historical housing culture of the district and, *therefore, the pupils **are already reflected** in the 'high' baseline enrollment projection estimated offered by this study.* The high range projection uses the historical pattern of annual kindergarten enrollments over the past six years as the basis for the enrollment projection estimates. The historical pattern of kindergarten enrollments is an outcome of the purchase of existing housing inventory and newly constructed housing units by households moving to the district with children born elsewhere. The mid-range projection uses the historical pattern of kindergarten-live birth ratios from 2012-2017. The historical pattern of kindergarten-live birth ratios is reflective of the purchase of existing housing inventory and newly constructed housing units by households moving to the district with children born elsewhere.

As of January 2018 there are conceptual discussions about up to 605 new residential units for the Lancaster School District. If large, fast-paced projects become documented, then it is suggested that they not be characterized as 'normal and usual' to the housing market. Therefore, the Cohort Survival calculations should be recalculated to reflect the estimated new school age population influenced by a very robust housing market as *'added'* new school-age population ***above*** the baseline enrollment *projection estimates.*

SNAPSHOT OF SCHOOL DISTRICT DEMOGRAPHICS

The boundaries of the Lancaster School District include 33.18 square miles. Charted on the next page are demographics about the geographic area and 'school district community' served by the school district. The data are from the 2011 and 2016 American Community Survey 5-year estimates specific to the Lancaster School District geographic service area. A 2016 Census Profile for Erie County is also provided to allow comparison of School District census data with Erie County data as a whole. The demographic data can be helpful in the short-range and long-range planning discussions of the district. "What if" discussions about patterns of data changing over the next five years can help the district to identify possible demographic variables that may influence the delivery of the K-12 program.

COMPARISON OF LANCASTER CSD ON-AVERAGE POPULATION 2007-2011 % ESTIMATES WITH 2012-2016 % ESTIMATES

	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 to 74 years	75 to 84 years	85 years and over
☐ 2011 SUMMARY DATA	5.10%	5.40%	6.90%	6.70%	5.80%	10.20%	14.10%	18.40%	6.40%	6.10%	7.20%	5.10%	2.40%
☐ 2016 SUMMARY DATA	5.10%	5.40%	7.40%	6.10%	4.80%	11.50%	13.00%	15.60%	7.90%	6.30%	8.90%	5.10%	2.80%
■ 2016 Erie County	5.40%	5.50%	6.10%	6.60%	7.30%	13.40%	11.20%	14.10%	7.50%	6.40%	8.80%	5.10%	2.60%

MEDIAN AGE 2011: 41.9   MEDIAN AGE 2016: 42.7   MEDIAN AGE ERIE COUNTY 2016: 40.4

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COMPARISON OF LANCASTER CSD ON-AVERAGE POPULATION 2007-2011 ESTIMATES WITH 2012-2016 ESTIMATES

NUMBER OF DISTRICT POPULATION

	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 to 74 years	75 to 84 years	85 years and over
2011 SUMMARY DATA	2,044	2,163	2,745	2,680	2,316	4,069	5,606	7,306	2,564	2,407	2,866	2,045	953
2016 SUMMARY DATA	2,118	2,228	3,068	2,526	1,995	4,796	5,421	6,479	3,276	2,631	3,710	2,141	1,184

✓ The population of the school district has increased by 1809 from 2007 through 2016 equaling about a 4.5% increase in total population.

✓ There is an increase in the population of under 5 years, 5 to 9 years, and 10 to 14 years population cohorts in the Lancaster School District over the past five years. The 10 to 14 years cohort has the largest increase of the three school-age cohorts since 2007. The cohort grew by 323.

✓ What influence might households with children born elsewhere and moving to the district be at play?

✓ The child-bearing population (age 20 to 44) in Lancaster increased by an estimated net of 221 since 2011. The 20 to 24 age cohort decreased since 2007 by 321. The 35 to 44 age cohort population cohort also decreased by 185. However, the 'prime' child-bearing population cohort of age 25 to 34 increased by 727. The potential for increased live births in the district may be influenced positively.

✓ All age cohorts from 55 to 85 years and older increased in population over the past five years. How might the rate of family-sized homes of 'empty-nesters' coming to or not coming to the sales market influence future school district enrollment?

Demographic Characteristic	Lancaster SD (2007-2011) ACS 2011	Lancaster SD (2012-2016) ACS 2016		
Total Population	39,764	41,573	About a 4.5% increase.	
Median age	41.9	42.7	Close to what is considered to be outside what is considered the end of 'childbearing years'. The median age for Erie County is 40.4.	
Under 5	5.1%	5.1%	5.4%	
5 to 9	5.4%	5.4%	5.5%	2016 Erie County
10 to 14	6.9%	7.4%	6.1%	
15 to 19	6.7%	6.1%	6.6%	
20 to 44	30.1%	29.3%	Prime childbearing years. 31.9% for Erie County 2016.	
45 to 64	30.9%	29.8%	28%	
65 to 84	13.2%	14.1%	13.9%	2016 Erie County
85 and over	2.4%	3.8%	2.6%	
Total Households	15,759	16,847	Increase of 1088 households since 2007	
			2012 public school enrollment of 5842; on average .37 public school pupils per household 2017 public school enrollment of 5614 on average .33 public school pupils per household	
Family Households	10,690	11,418	2016 Erie County: 59.7%	
			67.8% of all households in 2011; 67.8% in 2015. 2012 public school enrollment of 5842; on average .55 public school pupils per family household 2017 public school enrollment of 5614; on average .49 public school pupils per family household	
Family households with own children under 18 years	4721	4690	2016 Erie County: 15.3%	
			24.4% of all households in 2011; 21.1% in 2016. 2012 public school enrollment of 5842; on average 1.324 public school pupils per family household with own children under 18 years. 2017 public school enrollment of 5614; on average 1.20 public school pupils per family household with own children under 18 years.	
All of households with one or more people under 18 years	4919	5116	2016 Erie County: 27.1%	
			31.2% of all households in 2011; 30.4% in 2016. 2012 public school enrollment of 5842; on average 1.19 public school pupils per family household with own children under 18 years. 2017 public school enrollment of 5614; on average 1.10 public school pupils per family household with own children under 18 years.	
Non-family households	5069	5429	2016 Erie County: 40.3%	
			32.2% of the total households in 2011; 32.2% in 2016	

Demographic Characteristic	Lancaster SD (2007-2011) ACS 2011	Lancaster SD (2012-2016) ACS 2016	
Householder living alone	4236	4644	2016 Erie County: 33.5%
			26.9% of the total households in 2011; 27.6% in 2016
Householder living alone 65 years and older	1848	2163	2016 Erie County: 13.3%
			11.7% of the total households in 2011; 12.8% in 2016
All of households with one or more people 65 years and older	4136	4862	2016 Erie County: 28.9%
			26.2% of the total households in 2011; 28.9% in 2016
			2016 ERIE COUNTY
Average household size	2.49	2.44	2.34
Average family size	3.08	2.98	3.01
% high school graduate or higher	92.4%	95.5%	90.8%
% bachelor's degree or higher	30.7%	32.9%	32.2%
Place of birth of total population; Foreign Born	2.7%	3.5%	6.7%
Speak English 'less than very well' population 5 years and older	1.3%	1.1%	3.5%
Total housing units	16,755	17,510	421,361
1 unit attached and detached	75.2%	77%	61.3%
2 units	9.1%	6.3%	18.8%
3 or 4 units	4.2%	3.7%	5.8%
5 to 9 units	2.6%	3.7%	4.8%
10 to 19 units	2.1%	2.6%	2.4%
20 or more units	3.3%	3.4%	5.5%
Mobile home	3.4%	3.3%	1.3%
Housing units with 3 or more bedrooms	70.7%	69.3%	63.9%
Owner occupied	81.6%	80.5%	65.3%
Housing Units with a mortgage	69%	65.7%	62.4%
Housing Units without a mortgage	31%	34.3%	37.6%
Renter occupied	18.4%	19.5%	34.7%.
Average size of owner occupied units	2.63	2.65	2.48
Average size of renter occupied units	1.85	2.02	2.02.
Percentage of owner occupied units with a value of $100,000 to $199,999	47.9%	48.9%	43.6%

Demographic Characteristic	Lancaster SD (2007-2011) ACS 2011	Lancaster SD (2012-2016) ACS 2016	
Occupation: Management, business, science, and arts occupations 38.8% Sales and office occupations 27.8% Service occupations 14.2% **Industry:** Educational services, and health care and social assistance 23.4% Manufacturing 14.8% Retail Trade 13.5%			**Occupation:** Management, business, science, and arts occupations 40.5% Sales and office occupations 25.4% Service occupations 15.9% **Industry:** Educational services, and health care and social assistance 25.1% Manufacturing 13.1% Retail Trade 11.1%

Demographic Characteristic	Lancaster SD (2007-2011) ACS 2011	Lancaster SD (2012-2016) ACS 2016	2016 ERIE COUNTY
Median household income	$64,313	$65,508	$52,744
Mean household income	$76,230	$82,382	$70,408
Median family income	$79,708	$88,216	$70,078
Mean family income	$90,471	$98,836	$87,267
Median non-family income	$34,031	$36,345	$31,068
Mean non-family income	$43,802	$44,384	$42,978
PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL			
All families	3.3%	3.3%	10.5%
With related children under 18 years	4.6%	6.9%	18.5%
Families with female householder, no husband present	14%	14.5%	29.2%
With related children under 18 years	26%	21.8%	41.3%
All people	4.9%	4.6%	14.7%
Under 18 years	5%	6.9%	22.1%

Listed below are *example* discussion questions based on the Census data that Lancaster Central School District might include in its deliberations as it plans for the future.

- About 29.3% of the school district population is at prime childbearing age. In 2011 about 30.1% of the population was at prime childbearing age. What are some possible impacts on the school district if the population transitions to include a smaller child-bearing aged cohort? A larger child-bearing cohort? Short Term? Long term? What changes in the housing market might influence the child-bearing age cohort in the school district?

- The estimated median age of the district is 42.7 years, which is considered in prime childbearing years (up to 44 years of age). In 2011, the median age was 41.9 years. About 69.3% of all housing units in Lancaster CSD in 2016 have at least 3 bedrooms. In 2011 about 70.7% of all housing units in Lancaster CSD had at least 3 bedrooms What are the possible impacts on the school district if *existing* family-sized homes and/or rental units now occupied by households without children under 18 turnover at a slow rate? At a fast rate?

- What are some possible impacts on the school district if the housing market does not encourage residents in their prime child-bearing years to move to the district or remain residents of the district? What are some possible impacts on the school district if the median age of residents increases? Decreases?

- In 2016, 28.9% total households in Lancaster CSD have one or more persons 65 years or older. In 2016, 30.4% of total households in Lancaster CSD have one or more persons under 18 years of age. What do these data suggest about community programs offered and communication efforts with these sets of households in the school district?

- Are there any noticeable dichotomies of opinions about the school district by the 31 out of 100 households with children under 18 and the 69 out of 100 households with no children under 18?

- The median household income is about 22% lower than the median family income in the Lancaster School District. The average household income is about 17% lower than the average family income in the Lancaster School District. The average non-family income is about 45% lower than the average family income. Has this disparity in family and non-family incomes caused a noticeable difference in expectations for education by segments of the community? If not, what communication or program efforts by the district have proven successful in nurturing support by stakeholders across the economic spectrum?

- How might the following demographic differences between 2011 and 2016 influence such school district topics as: general public communication about programs/goals of the district? Programs and projects for non-school age residents? Information and outreach to all taxpayers, especially to households without a direct service connection with the school district?

  - ✓ The 2016 data have the number of households in the district increasing, but the number of public school pupils per household has decreased compared to the 2011 data. (.37 per household compared to .33 in 2016)
  - ✓ The 2016 data have the number of family households increasing and the number of public school pupils per family households is decreasing compared to the 2011 data.
  - ✓ The 2016 data have the number of family households with own children under 18 years of age decreasing and the number of public school pupils per such households decreasing to 1.20 compared to the 2011 data of 1.24.
  - ✓ The 2016 data have the number of all households with one or more people under 18 years of age increasing and the number of public school pupils per such households

decreasing compared to the 2011 data of 1.19. However, the number of family households has increased from 2011 to 2016.

- ✓ The 2016 data have the number of nonfamily households increasing by 360 compared to the 2011 data, but the percentage share of all households remains at about 32.2%.
- ✓ The 2016 data have the number of householders living alone increasing by about 7% compared to the 2011 data.
- ✓ Five out of every 100 residents under 18 years were in poverty in 2011. About 7 out of every 100 residents under 18 years were in poverty in 2016. How might school programs and services delivery be influenced if the rate of poverty increases?

SUMMARY OF K-12 ENROLLMENT PROJECTION DATA CALCULATIONS

The charts that follow summarize the enrollment projection calculations through 2026-2027 undertaken in this study. The estimates are based on the application of the cohort survival statistic and annual total live birth analysis to project potential kindergarten enrollments in the future. The enrollment estimates are projections and not predictions. Projections for the immediate future are more reliable than those for years further in the future. Enrollment projection totals for K-6 and for 7-12 are more reliable than are those for specific grade levels in specific years. Primary focus should be given to estimates five years into the future for grades K-6, and ten years into the future for grades 7-12. The projections do offer a starting point for analyzing and understanding the elements of future school district demographic change.

BASELINE COHORT ENROLLMENT ESTIMATES

The tables on the following pages are a helpful resource as the district undertakes its ongoing short and long-range planning efforts regarding its vision for the educational program to be delivered and the use of the school building assets of the district. The highlighted estimates follow SED planning guidelines with regard to applying enrollment projections to anticipated space needs in the future. **Commissioner's Regulation 155.1 requires districts to match facility planning with the estimated grades K-6 enrollment five years into the future, 7-8 enrollment (if served in a separate building from 9-12) eight years into the future, and estimated grades 9-12 enrollment ten years into the future.** Building Aid Units for State building aid on approved capital projects are based on the enrollment estimates outlined in the Regulations. It is suggested that the high range projections be used to base pupil capacity need in the future with facility planning. The low enrollment projection estimates can be a tool to estimate conservatively potential impact on existing staff and program offerings in the short term if enrollments decrease. The mid-range projection (with an eye on the high range projection) often can be a good tool to project potential impacts on district financials.

	LANCASTER CENTRAL SCHOOL DISTRICT BASE COHORT ENROLLMENT PROJECTIONS JANUARY 2018
Grades K-3	o **Grades K-3 enrollment** may increase by about 276 pupils over **the next 5 years** per the most optimistic estimate. The most conservative estimate suggests enrollment may decrease by 115 pupils in five years compared to 2017-2018.
Grades 4-6	o **Grades 4-6 total enrollment** may increase by about 117 pupils over **the next 5 years** per the most optimistic estimate. The most conservative estimate suggests an enrollment of about 84 more pupils in eight years compared to 2017-2018.
TOTAL GRADES K-6	o **Grades K-6 enrollment** may increase by about 393 pupils over **the next 5 years** per the most optimistic estimate. The most conservative estimate suggests enrollment may be close to stable (-31 pupils) in five years compared to 2017-2018.
Grades 7-8	o **Grades 7-8 total enrollment** may increase by about 122 pupils over **the next 8 years** per the most optimistic estimate. The most conservative estimate suggests an enrollment of about 88 more pupils in eight years compared to 2017-2018.
Grades 9-12	o **Grades 9-12 total enrollment** may decrease by about 52 pupils over **the next 10 years** per the most optimistic estimate. The most conservative estimate suggests 9-12 enrollment may decrease by about 86 pupils in ten years compared to 2017-2018.

*Note: Low, Mid, High refers to and are defined by the estimates for <u>total K-6</u> enrollment five years from now.

Calculation	Year	Grades K-3	Grade 4-6	TOTAL K-6	Grades 7-8	Grades 9-12
CURRENT ENROLLMENT	2017-2018	1621	1236	2857	857	1900
Baseline Cohort Low Range*	2020-2021	1594	1247	2841	851	1756
	2022-2023	**1506**	**1320**	**2826**	869	1684
	2025-2026				945	1717
	2027-2028					1814
Baseline Cohort Mid-Range*	2020-2021	1753	1247	3000	851	1756
	2022-2023	**1758**	**1373**	**3131**	869	1684
	2025-2026				1000	1717
	2027-2028					1868
Baseline Cohort High Range*	2020-2021	1818	1247	3064	851	1756
	2022-2023	**1897**	**1353**	**3250**	869	1684
	2025-2026				979	1717
	2027-2028					1848

Highlighted estimates follow SED planning guidelines with regard to applying enrollment projections to plan anticipated space needs in the future and the estimated Building Aid Units that may be applied to calculate State Building Aid to help financially support a capital project.

CAUTIONS CONCERNING ENROLLMENT PROJECTION ESTIMATES

All enrollment projections for more than five years into the future have inherent uncertainties because the assumptions on which they are based can be affected by changes in human behavior, by the economy, or by other events. Elementary age enrollment estimates *more than five years* into the future, in particular, have lower reliability than estimates for grades 7-12. Key factors of population change relating to school enrollments are often interrelated and can multiply as one or more factors unexpectedly change or change significantly from their status at the time of this study. Future enrollments are positively affected by:

- Added births in the district and the resulting added kindergarten enrollments.
- The reductions or increases in private school/home-school/charter school enrollments.
- The increase in the enrollment retention of students through grade 12 as completers of a diploma program.
- A robust employment market that can attract new residents with children and/or who are at childbearing age.
- A robust housing market that can attract new residents with children and/or who are at childbearing age.
- Increased enrollment of tuition students from other school districts.

Similarly, future enrollment projections can be negatively affected by the antitheses of the same variables. Therefore, the enrollment projection estimates should be revisited and updated yearly if there are any major changes in: the assumptions that base the methodology of this study; the annual live birth data for the district; major shifts in the housing market and employment market opportunities from what has been expected; changes in the educational program offered; and/or changes in the non-public school, charter school, or out of school district enrollments by Lancaster School District residents; or major immediate changes to the numbers of pupils tuition from other school districts.

USE OF THE ENROLLMENT PROJECTION DATA FOR PLANNING

The *Enrollment Projection Calculations* provide sets of estimates about future K-12 enrollments ranging from 'low' to 'high' based on defined assumptions and historical patterns of population and enrollment data. It is suggested that the Board of Education and the school district leadership team discuss the projection scenarios and come to consensus with the community about what the *school district and the community* believe about the local future—will the "glass be filled, half-filled or half empty?" with regard to such items as new residential construction, new population to the district, and increased jobs within commuting distance of the district.

Most critical to successful long range school program and facility planning is defining the vision of the program the Board and community expect to provide to the students of the district. Facility form follows program function. A successful long-range facility plan occurs when the planning is viewed as a 'curriculum project' that defines and plans the program for delivery to all pupils regardless of the total enrollment size of the district. Once the curriculum vision is defined, a facility plan is only then a 'brick and mortar' plan to support the implementation of the curriculum/program. What are the implications of the Board and community's pupil program vision on the current facilities of the school district? With stable future student enrollments? With likely increasing student enrollments?

Is there a gap between the current pupil capacities of the school buildings and the estimated enrollments to be served five, eight and ten years into the future? Is there a gap between the Board's future vision for the pupil program, the pupil capacity of the facilities, and the values that guide how the program is implemented currently?

Appendix A:

DEMOGRAPHIC-ECONOMIC CHARACTERISTICS PROFILE BASED ON CENSUS BUREAU DATA:
A Tool to Help Plan and Discuss the Future

for the

Lancaster Central School District

Prepared by: Dr. Paul M. Seversky

"Custom tools and research to aid a school district in defining a vision and decision options for serving students in the future."

Introduction and Overview

This report provides a summary of demographic-economic characteristics for the Lancaster Central School District. It also provides a current profile of Erie County based on census data from 2012-2016.

Demographic-economic data in this report provide insights into "where we are now." The selection, scope, organization, and content of these data provide a basis for examining challenges and opportunities that lie ahead. The data provide information for decision-makers and stakeholders to determine how they might benefit from plans and actions implemented now or scheduled for the future. The data provide a basis for collaborative planning among community/business stakeholders and leaders. These data can provide measures of how things have changed since an earlier point in time – often based on data from Census 2010. Assessing this change, and considering current and prospective change, provide insights into the future – how much might things change, at what time, by how much and where – and how might this change impact us?

The demographic-economic behavior of an area does not happen in a vacuum. It is important to understand the make-up and dynamics of the area around us. What is similar or dissimilar in the broader or adjacent area? Which of these patterns or characteristics might impose challenges or limitations on reaching goals? What are reasonable goals, suggested by analyzing these data that might be achieved? In what time frame?

Data presented in this report are based on the most recent demographic-economic data released in December 2012 and December 2017 for all U.S. political/statistical geographic areas. The report provides data on more than 600 demographic-economic subject matter items, a comprehensive overview, for the area organized into four structured Demographic-Economic Profiles (DP). Selected highlights from each of these four profiles are presented.

Using this Report. This comparative analysis report is provided to facilitate strategic planning and comparison of school district demographics over time.

Sources. This report is based on data from the Census Bureau American Community Survey (ACS) 2016 five-year (2012-16) estimates published in December 2017, and the American Community Survey (ACS) 2011 five-year (2007-2011) estimates published in December 2012. The estimates are subject to sampling and other errors of estimation. The ACS estimates are period estimates that describe the average characteristics of population and housing over a period of data collection.

APPENDIX A: TABLE OF CONTENTS

The demographic estimates are reported to encourage community discussion about the demographic characteristics of the Lancaster School District. The compilation of the Census data is a tool to help the community and school leaders discuss and suggest insights about the school district community as long-range plans are developed. Census data for the Lancaster School District are charted from two Census documents profiling the demographics of the school district from 2007-2016. In this way, comparative discussion/analysis is supported to identify similar and dissimilar demographic characteristics of the Lancaster School District over time. A Census profile is also provided for Erie County for 2012-2016.

SOURCE OF DATA:
Federal Census Bureau 2007-2011 American Community Survey
5- Year Estimates (public release December 2012)
Federal Census Bureau 2012-2016 American Community Survey
5-Year Estimates (public release December 2017)

To maintain confidentiality, the Census Bureau applies statistical procedures that introduce some uncertainty into data for geographic areas with small population groups. The data in these tables contain sampling error and nonsampling error. Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented with a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error). The effect of nonsampling error is not represented in these tables. Additional information on the design and methodology of the American Community Survey, including data collection and processing, can be found at http://www.census.gov/acs/www/methodology/methodology main/

**The shaded demographic characteristics in the charts that follow suggest data that are often reviewed and discussed by school districts
as part of long-range planning effort.**

GENERAL DEMOGRAPHICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
SEX AND AGE						
Total population	39,764	39,764	41,573	41,573	922,129	922,129
Male	19,630	49.4%	20,170	48.5%	446,259	48.4%
Female	20,134	50.6%	21,403	51.5%	475,870	51.6%
Under 5 years	2,044	5.1%	2,118	5.1%	49,616	5.4%
5 to 9 years	2,163	5.4%	2,228	5.4%	50,263	5.5%
10 to 14 years	2,745	6.9%	3,068	7.4%	56,121	6.1%
15 to 19 years	2,680	6.7%	2,526	6.1%	61,056	6.6%
20 to 24 years	2,316	5.8%	1,995	4.8%	67,273	7.3%
25 to 34 years	4,069	10.2%	4,796	11.5%	123,462	13.4%
35 to 44 years	5,606	14.1%	5,421	13.0%	103,348	11.2%
45 to 54 years	7,306	18.4%	6,479	15.6%	130,404	14.1%
55 to 59 years	2,564	6.4%	3,276	7.9%	69,077	7.5%
60 to 64 years	2,407	6.1%	2,631	6.3%	59,015	6.4%
65 to 74 years	2,866	7.2%	3,710	8.9%	81,066	8.8%
75 to 84 years	2,045	5.1%	2,141	5.1%	47,363	5.1%
85 years and over	953	2.4%	1,184	2.8%	24,065	2.6%
Median age (years)	41.9	(X)	42.7	(X)	40.4	(X)
18 years and over	30,963	77.9%	32,514	78.2%	730,797	79.3%
21 years and over	29,641	74.5%	31,256	75.2%	691,231	75.0%
62 years and over	7,096	17.8%	8,586	20.7%	185,956	20.2%
65 years and over	5,864	14.7%	7,035	16.9%	152,494	16.5%
18 years and over	30,963	30,963	32,514	32,514	730,797	730,797
Male	14,937	48.2%	15,233	46.9%	348,835	47.7%
Female	16,026	51.8%	17,281	53.1%	381,962	52.3%
65 years and over	5,864	5,864	7,035	7,035	152,494	152,494
Male	2,322	39.6%	2,860	40.7%	64,101	42.0%
Female	3,542	60.4%	4,175	59.3%	88,393	58.0%
RACE						
Total population	39,764	39,764	41,573	41,573	922,129	922,129
One race	39,240	98.7%	41,016	98.7%	901,571	97.8%
Two or more races	524	1.3%	557	1.3%	20,558	2.2%
One race	39,240	98.7%	41,016	98.7%	901,571	97.8%
White	38,723	97.4%	40,023	96.3%	722,667	78.4%
Black or African American	181	0.5%	546	1.3%	123,382	13.4%
American Indian and Alaska Native	50	0.1%	40	0.1%	4,353	0.5%
Cherokee tribal grouping	0	0.0%	0	0.0%	193	0.0%

GENERAL DEMOGRAPHICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
Chippewa tribal grouping	0	0.0%	0	0.0%	52	0.0%
Navajo tribal grouping	0	0.0%	0	0.0%	0	0.0%
Sioux tribal grouping	0	0.0%	0	0.0%	0	0.0%
Asian	186	0.5%	335	0.8%	30,607	3.3%
Asian Indian	41	0.1%	20	0.0%	8,416	0.9%
Chinese	73	0.2%	132	0.3%	7,142	0.8%
Filipino	33	0.1%	98	0.2%	1,175	0.1%
Japanese	39	0.1%	13	0.0%	650	0.1%
Korean	0	0.0%	14	0.0%	2,384	0.3%
Vietnamese	0	0.0%	6	0.0%	1,563	0.2%
Other Asian	0	0.0%	52	0.1%	9,277	1.0%
Native Hawaiian and Other Pacific Islander	0	0.0%	0	0.0%	292	0.0%
Native Hawaiian	0	0.0%	0	0.0%	62	0.0%
Guamanian or Chamorro	0	0.0%	0	0.0%	30	0.0%
Samoan	0	0.0%	0	0.0%	62	0.0%
Other Pacific Islander	0	0.0%	0	0.0%	138	0.0%
Some other race	100	0.3%	72	0.2%	20,270	2.2%
Two or more races	524	1.3%	557	1.3%	20,558	2.2%
White and Black or African American	199	0.5%	29	0.1%	7,574	0.8%
White and American Indian and Alaska Native	126	0.3%	392	0.9%	3,141	0.3%
White and Asian	162	0.4%	76	0.2%	3,019	0.3%
Black or African American and American Indian and Alaska Native	14	0.0%	11	0.0%	817	0.1%
Race alone or in combination with one or more other races						
Total population	39,764	39,764	41,573	41,573	922,129	922,129
White	39,233	98.7%	40,558	97.6%	740,039	80.3%
Black or African American	394	1.0%	606	1.5%	134,607	14.6%
American Indian and Alaska Native	190	0.5%	452	1.1%	9,689	1.1%
Asian	348	0.9%	430	1.0%	35,007	3.8%
Native Hawaiian and Other Pacific Islander	0	0.0%	3	0.0%	690	0.1%
Some other race	123	0.3%	109	0.3%	24,393	2.6%
HISPANIC OR LATINO AND RACE						

GENERAL DEMOGRAPHICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
Total population	39,764	39,764	41,573	41,573	922,129	922,129
Hispanic or Latino (of any race)	693	1.7%	598	1.4%	46,752	5.1%
Mexican	51	0.1%	36	0.1%	3,979	0.4%
Puerto Rican	221	0.6%	344	0.8%	32,284	3.5%
Cuban	188	0.5%	58	0.1%	917	0.1%
Other Hispanic or Latino	233	0.6%	160	0.4%	9,572	1.0%
Not Hispanic or Latino	39,071	98.3%	40,975	98.6%	875,377	94.9%
White alone	38,157	96.0%	39,562	95.2%	703,823	76.3%
Black or African American alone	181	0.5%	513	1.2%	120,062	13.0%
American Indian and Alaska Native alone	0	0.0%	40	0.1%	3,955	0.4%
Asian alone	186	0.5%	335	0.8%	30,429	3.3%
Native Hawaiian and Other Pacific Islander alone	0	0.0%	0	0.0%	224	0.0%
Some other race alone	23	0.1%	0	0.0%	1,250	0.1%
Two or more races	524	1.3%	525	1.3%	15,634	1.7%
Two races including Some other race	23	0.1%	0	0.0%	632	0.1%
Two races excluding Some other race, and Three or more races	501	1.3%	525	1.3%	15,002	1.6%
Total housing units	16,755	(X)	17,510	(X)	421,361	(X)

SELECTED SOCIAL CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
HOUSEHOLDS BY TYPE						
Total households	15,759	15,759	16,847	16,847	382,822	382,822
Family households (families)	10,690	67.8%	11,418	67.8%	228,584	59.7%
With own children under 18 years	4,721	30.0%	4,690	27.8%	95,269	24.9%
Married-couple family	8,693	55.2%	9,338	55.4%	159,957	41.8%
With own children under 18 years	3,848	24.4%	3,549	21.1%	58,709	15.3%
Male householder, no wife present, family	566	3.6%	499	3.0%	16,823	4.4%
With own children under 18 years	256	1.6%	223	1.3%	7,700	2.0%
Female householder, no husband present, family	1,431	9.1%	1,581	9.4%	51,804	13.5%
With own children under 18 years	617	3.9%	918	5.4%	28,860	7.5%
Nonfamily households	5,069	32.2%	5,429	32.2%	154,238	40.3%
Householder living alone	4,236	26.9%	4,644	27.6%	128,371	33.5%
65 years and over	1,848	11.7%	2,163	12.8%	51,056	13.3%
Households with one or more people under 18 years	4,919	31.2%	5,116	30.4%	103,754	27.1%
Households with one or more people 65 years and over	4,136	26.2%	4,862	28.9%	110,485	28.9%
Average household size	2.49	(X)	2.44	(X)	2.34	(X)
Average family size	3.08	(X)	2.98	(X)	3.01	(X)
RELATIONSHIP						
Population in households	39,240	39,240	41,061	41,061	894,228	894,228
Householder	15,759	40.2%	16,847	41.0%	382,822	42.8%
Spouse	8,663	22.1%	9,303	22.7%	159,668	17.9%
Child	12,449	31.7%	12,205	29.7%	260,982	29.2%
Other relatives	1,101	2.8%	1,068	2.6%	38,337	4.3%
Nonrelatives	1,268	3.2%	1,638	4.0%	52,419	5.9%
Unmarried partner	830	2.1%	842	2.1%	24,497	2.7%
MARITAL STATUS						
Males 15 years and over	15,891	15,891	16,136	16,136	366,806	366,806
Never married	4,951	31.2%	4,605	28.5%	145,044	39.5%
Now married, except separated	9,046	56.9%	9,595	59.5%	170,715	46.5%
Separated	151	1.0%	184	1.1%	5,998	1.6%
Widowed	470	3.0%	536	3.3%	11,202	3.1%
Divorced	1,273	8.0%	1,216	7.5%	33,847	9.2%
Females 15 years and over	16,921	16,921	18,023	18,023	399,323	399,323

SELECTED SOCIAL CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
Never married	4,055	24.0%	4,554	25.3%	135,783	34.0%
Now married, except separated	8,900	52.6%	9,576	53.1%	167,335	41.9%
Separated	199	1.2%	359	2.0%	8,715	2.2%
Widowed	1,916	11.3%	1,843	10.2%	41,970	10.5%
Divorced	1,851	10.9%	1,691	9.4%	45,520	11.4%
EDUCATIONAL ATTAINMENT						
Population 25 years and over	27,816	27,816	29,638	29,638	637,800	637,800
Less than 9th grade	631	2.3%	373	1.3%	18,673	2.9%
9th to 12th grade, no diploma	1,489	5.4%	971	3.3%	39,737	6.2%
High school graduate (includes equivalency)	8,651	31.1%	8,986	30.3%	180,119	28.2%
Some college, no degree	4,995	18.0%	5,355	18.1%	118,400	18.6%
Associate's degree	3,514	12.6%	4,191	14.1%	75,504	11.8%
Bachelor's degree	5,242	18.8%	5,970	20.1%	113,511	17.8%
Graduate or professional degree	3,294	11.8%	3,792	12.8%	91,856	14.4%
Percent high school graduate or higher	(X)	92.4%	(X)	95.5%	(X)	90.8%
Percent bachelor's degree or higher	(X)	30.7%	(X)	32.9%	(X)	32.2%
VETERAN STATUS						
Civilian population 18 years and over	30,956	30,956	32,514	32,514	730,373	730,373
Civilian veterans	3,123	10.1%	2,714	8.3%	57,709	7.9%
RESIDENCE 1 YEAR AGO						
Population 1 year and over	39,363	39,363	41,170	41,170	911,633	911,633
Same house	35,509	90.2%	37,162	90.3%	801,376	87.9%
Different house in the U.S.	3,774	9.6%	3,887	9.4%	104,446	11.5%
Same county	3,540	9.0%	3,330	8.1%	78,880	8.7%
Different county	234	0.6%	557	1.4%	25,566	2.8%
Same state	114	0.3%	432	1.0%	16,409	1.8%
Different state	120	0.3%	125	0.3%	9,157	1.0%
Abroad	80	0.2%	121	0.3%	5,811	0.6%
PLACE OF BIRTH						
Total population	39,764	39,764	41,573	41,573	922,129	922,129
Native	38,691	97.3%	40,107	96.5%	860,761	93.3%
Born in United States	38,518	96.9%	39,966	96.1%	846,030	91.7%

SELECTED SOCIAL CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
State of residence	35,848	90.2%	36,965	88.9%	747,124	81.0%
Different state	2,670	6.7%	3,001	7.2%	98,906	10.7%
Born in Puerto Rico, U.S. Island areas, or born abroad to American parent(s)	173	0.4%	141	0.3%	14,731	1.6%
Foreign born	1,073	2.7%	1,466	3.5%	61,368	6.7%
U.S. CITIZENSHIP STATUS						
Foreign-born population	1,073	1,073	1,466	1,466	61,368	61,368
Naturalized U.S. citizen	820	76.4%	913	62.3%	30,594	49.9%
Not a U.S. citizen	253	23.6%	553	37.7%	30,774	50.1%
Foreign-born population, excluding population born at sea	1,073	1,073	1,466	1,466	61,368	61,368
Europe	490	45.7%	738	50.3%	14,885	24.3%
Asia	194	18.1%	349	23.8%	28,079	45.8%
Africa	29	2.7%	10	0.7%	5,171	8.4%
Oceania	8	0.7%	0	0.0%	83	0.1%
Latin America	203	18.9%	202	13.8%	8,360	13.6%
Northern America	149	13.9%	167	11.4%	4,790	7.8%
LANGUAGE SPOKEN AT HOME						
Population 5 years and over	37,720	37,720	39,455	39,455	872,513	872,513
English only	35,876	95.1%	37,595	95.3%	784,115	89.9%
Language other than English	1,844	4.9%	1,860	4.7%	88,398	10.1%
Speak English less than "very well"	487	1.3%	427	1.1%	30,277	3.5%
Spanish	454	1.2%	331	0.8%	29,118	3.3%
Speak English less than "very well"	114	0.3%	12	0.0%	8,596	1.0%
Other Indo-European languages	1,245	3.3%	1,230	3.1%	31,961	3.7%
Speak English less than "very well"	362	1.0%	321	0.8%	9,806	1.1%
Asian and Pacific Islander languages	66	0.2%	254	0.6%	16,781	1.9%
Speak English less than "very well"	0	0.0%	74	0.2%	7,516	0.9%
Other languages	79	0.2%	45	0.1%	10,538	1.2%
Speak English less than "very well"	11	0.0%	20	0.1%	4,359	0.5%
ANCESTRY						
Total population	39,764	39,764	41,573	41,573	922,129	922,129
American	636	1.6%	1,167	2.8%	24,022	2.6%

SELECTED SOCIAL CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
Arab	161	0.4%	163	0.4%	10,115	1.1%
Czech	109	0.3%	111	0.3%	2,029	0.2%
Danish	29	0.1%	31	0.1%	1,464	0.2%
Dutch	277	0.7%	296	0.7%	8,183	0.9%
English	3,023	7.6%	2,634	6.3%	63,950	6.9%
French (except Basque)	1,362	3.4%	1,392	3.3%	20,766	2.3%
French Canadian	335	0.8%	204	0.5%	6,459	0.7%
German	14,459	36.4%	12,972	31.2%	226,817	24.6%
Greek	300	0.8%	281	0.7%	4,282	0.5%
Hungarian	190	0.5%	292	0.7%	8,995	1.0%
Irish	7,095	17.8%	6,321	15.2%	156,382	17.0%
Italian	7,827	19.7%	9,190	22.1%	149,689	16.2%
Lithuanian	63	0.2%	74	0.2%	1,313	0.1%
Norwegian	181	0.5%	48	0.1%	2,750	0.3%
Polish	13,893	34.9%	13,217	31.8%	163,117	17.7%
Portuguese	239	0.6%	16	0.0%	893	0.1%
Russian	201	0.5%	265	0.6%	8,428	0.9%
Scotch-Irish	473	1.2%	115	0.3%	3,559	0.4%
Scottish	488	1.2%	714	1.7%	14,906	1.6%
Slovak	52	0.1%	59	0.1%	1,266	0.1%
Subsaharan African	16	0.0%	1	0.0%	7,605	0.8%
Swedish	255	0.6%	613	1.5%	6,899	0.7%
Swiss	67	0.2%	40	0.1%	1,330	0.1%
Ukrainian	282	0.7%	432	1.0%	6,720	0.7%
Welsh	180	0.5%	327	0.8%	5,021	0.5%
West Indian (excluding Hispanic origin groups)	0	0.0%	126	0.3%	4,587	0.5%

SELECTED ECONOMIC CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
EMPLOYMENT STATUS						
Population 16 years and over	32,108	32,108	33,729	33,729	754,503	754,503
In labor force	22,618	70.4%	23,292	69.1%	473,702	62.8%
Civilian labor force	22,611	70.4%	23,292	69.1%	473,278	62.7%
Employed	21,261	66.2%	22,254	66.0%	444,313	58.9%
Unemployed	1,350	4.2%	1,038	3.1%	28,965	3.8%
Armed Forces	7	0.0%	0	0.0%	424	0.1%
Not in labor force	9,490	29.6%	10,437	30.9%	280,801	37.2%
Civilian labor force	22,611	22,611	23,292	23,292	473,278	473,278
Percent Unemployed	(X)	6.0%	(X)	4.5%	(X)	6.1%
Females 16 years and over	16,578	16,578	17,812	17,812	393,712	393,712
In labor force	10,720	64.7%	11,512	64.6%	232,965	59.2%
Civilian labor force	10,720	64.7%	11,512	64.6%	232,890	59.2%
Employed	10,271	62.0%	11,013	61.8%	220,271	55.9%
Own children under 6 years	2,368	2,368	2,503	2,503	57,493	57,493
All parents in family in labor force	1,882	79.5%	1,964	78.5%	39,040	67.9%
Own children 6 to 17 years	6,309	6,309	6,134	6,134	126,156	126,156
All parents in family in labor force	5,017	79.5%	5,255	85.7%	91,813	72.8%
COMMUTING TO WORK						
Workers 16 years and over	20,816	20,816	21,811	21,811	434,029	434,029
Car, truck, or van -- drove alone	18,311	88.0%	19,867	91.1%	353,408	81.4%
Car, truck, or van -- carpooled	1,537	7.4%	1,107	5.1%	35,647	8.2%
Public transportation (excluding taxicab)	60	0.3%	115	0.5%	16,022	3.7%
Walked	316	1.5%	99	0.5%	12,006	2.8%
Other means	243	1.2%	50	0.2%	5,125	1.2%
Worked at home	349	1.7%	573	2.6%	11,821	2.7%
Mean travel time to work (minutes)	20.9	(X)	21.9	(X)	21.2	(X)
OCCUPATION						
Civilian employed population 16 years and over	21,261	21,261	22,254	22,254	444,313	444,313
Management, business, science, and arts occupations	8,246	38.8%	9,010	40.5%	170,213	38.3%
Service occupations	3,012	14.2%	3,544	15.9%	82,117	18.5%
Sales and office occupations	5,909	27.8%	5,642	25.4%	113,953	25.6%

SELECTED ECONOMIC CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
Natural resources, construction, and maintenance occupations	1,517	7.1%	1,321	5.9%	27,491	6.2%
Production, transportation, and material moving occupations	2,577	12.1%	2,737	12.3%	50,539	11.4%
INDUSTRY						
Civilian employed population 16 years and over	21,261	21,261	22,254	22,254	444,313	444,313
Agriculture, forestry, fishing and hunting, and mining	37	0.2%	93	0.4%	1,957	0.4%
Construction	935	4.4%	893	4.0%	19,144	4.3%
Manufacturing	3,139	14.8%	2,908	13.1%	47,036	10.6%
Wholesale trade	697	3.3%	832	3.7%	12,013	2.7%
Retail trade	2,869	13.5%	2,468	11.1%	51,508	11.6%
Transportation and warehousing, and utilities	921	4.3%	864	3.9%	19,949	4.5%
Information	483	2.3%	263	1.2%	7,064	1.6%
Finance and insurance, and real estate and rental and leasing	1,635	7.7%	2,013	9.0%	35,948	8.1%
Professional, scientific, and management, and administrative and waste management services	1,997	9.4%	2,093	9.4%	43,341	9.8%
Educational services, and health care and social assistance	4,969	23.4%	5,588	25.1%	123,455	27.8%
Arts, entertainment, and recreation, and accommodation and food services	1,551	7.3%	2,093	9.4%	44,037	9.9%
Other services, except public administration	797	3.7%	946	4.3%	18,691	4.2%
Public administration	1,231	5.8%	1,200	5.4%	20,170	4.5%
CLASS OF WORKER						
Civilian employed population 16 years and over	21,261	21,261	22,254	22,254	444,313	444,313
Private wage and salary workers	16,782	78.9%	18,057	81.1%	354,450	79.8%
Government workers	3,880	18.2%	3,483	15.7%	71,712	16.1%
Self-employed in own not incorporated business workers	599	2.8%	714	3.2%	17,778	4.0%
Unpaid family workers	0	0.0%	0	0.0%	373	0.1%
INCOME AND BENEFITS						
Total households	15,759	15,759	16,847	16,847	382,822	382,822
Less than $10,000	562	3.6%	366	2.2%	31,399	8.2%
$10,000 to $14,999	592	3.8%	542	3.2%	21,808	5.7%

SELECTED ECONOMIC CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
$15,000 to $24,999	1,369	8.7%	1,442	8.6%	41,268	10.8%
$25,000 to $34,999	1,368	8.7%	1,615	9.6%	37,599	9.8%
$35,000 to $49,999	1,866	11.8%	2,098	12.5%	49,911	13.0%
$50,000 to $74,999	3,374	21.4%	2,950	17.5%	67,261	17.6%
$75,000 to $99,999	2,343	14.9%	2,578	15.3%	49,049	12.8%
$100,000 to $149,999	2,702	17.1%	3,324	19.7%	52,769	13.8%
$150,000 to $199,999	1,096	7.0%	1,175	7.0%	17,831	4.7%
$200,000 or more	487	3.1%	757	4.5%	13,927	3.6%
Median household income (dollars)	64,313	(X)	68,508	(X)	52,744	(X)
Mean household income (dollars)	76,230	(X)	82,382	(X)	70,408	(X)
With earnings	12,376	78.5%	13,167	78.2%	281,307	73.5%
Mean earnings (dollars)	80,231	(X)	84,653	(X)	74,211	(X)
With Social Security	4,872	30.9%	5,818	34.5%	128,590	33.6%
Mean Social Security income (dollars)	16,437	(X)	19,908	(X)	18,288	(X)
With retirement income	3,547	22.5%	4,015	23.8%	83,974	21.9%
Mean retirement income (dollars)	21,440	(X)	23,879	(X)	22,828	(X)
With Supplemental Security Income	258	1.6%	462	2.7%	23,503	6.1%
Mean Supplemental Security Income (dollars)	10,292	(X)	11,443	(X)	9,512	(X)
With cash public assistance income	113	0.7%	216	1.3%	11,309	3.0%
Mean cash public assistance income (dollars)	3,462	(X)	5,189	(X)	3,824	(X)
With Food Stamp/SNAP benefits in the past 12 months	704	4.5%	965	5.7%	62,448	16.3%
Families	10,690	10,690	11,418	11,418	228,584	228,584
Less than $10,000	170	1.6%	264	2.3%	11,084	4.8%
$10,000 to $14,999	156	1.5%	66	0.6%	6,626	2.9%
$15,000 to $24,999	391	3.7%	338	3.0%	14,981	6.6%
$25,000 to $34,999	642	6.0%	798	7.0%	17,765	7.8%
$35,000 to $49,999	1,068	10.0%	1,129	9.9%	27,794	12.2%
$50,000 to $74,999	2,370	22.2%	1,855	16.2%	43,558	19.1%
$75,000 to $99,999	2,019	18.9%	2,189	19.2%	35,915	15.7%
$100,000 to $149,999	2,459	23.0%	3,018	26.4%	43,244	18.9%
$150,000 to $199,999	984	9.2%	1,030	9.0%	15,348	6.7%
$200,000 OR MORE	431	4.0%	731	6.4%	12,269	5.4%
Median family income (dollars)	79,708	(X)	88,216	(X)	70,078	(X)
Mean family income (dollars)	90,471	(X)	98,836	(X)	87,267	(X)
Per capita income (dollars)	30,660	(X)	33,905	(X)	29,940	(X)

SELECTED ECONOMIC CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
Nonfamily households	5,069	5,069	5,429	5,429	154,238	154,238
Median nonfamily income (dollars)	34,031	(X)	36,345	(X)	31,068	(X)
Mean nonfamily income (dollars)	43,802	(X)	44,384	(X)	42,978	(X)
Median earnings for workers (dollars)	37,029	(X)	38,172	(X)	32,057	(X)
Median earnings for male full-time, year-round workers (dollars)	54,782	(X)	56,324	(X)	51,464	(X)
Median earnings for female full-time, year-round workers (dollars)	43,731	(X)	43,487	(X)	41,235	(X)
PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL						
All families	(X)	3.3%	(X)	3.3%	(X)	10.5%
With related children under 18 years	(X)	4.6%	(X)	6.9%	(X)	18.5%
With related children under 5 years only	(X)	5.8%	(X)	10.2%	(X)	20.0%
Married couple families	(X)	1.3%	(X)	1.0%	(X)	4.2%
With related children under 18 years	(X)	0.9%	(X)	1.8%	(X)	6.7%
With related children under 5 years only	(X)	0.9%	(X)	0.0%	(X)	5.0%
Families with female householder, no husband present	(X)	14.0%	(X)	14.5%	(X)	29.2%
With related children under 18 years	(X)	26.0%	(X)	21.8%	(X)	41.3%
With related children under 5 years only	(X)	38.1%	(X)	71.9%	(X)	50.0%
All people	(X)	4.9%	(X)	4.6%	(X)	14.7%
Under 18 years	(X)	5.0%	(X)	6.9%	(X)	22.1%
Related children under 18 years	(X)	4.9%	(X)	6.1%	(X)	21.8%
Related children under 5 years	(X)	7.3%	(X)	7.9%	(X)	25.3%
Related children 5 to 17 years	(X)	4.2%	(X)	5.6%	(X)	20.6%
18 years and over	(X)	4.9%	(X)	3.9%	(X)	12.8%
18 to 64 years	(X)	4.1%	(X)	3.8%	(X)	13.9%
65 years and over	(X)	8.7%	(X)	4.3%	(X)	8.5%
People in families	(X)	3.2%	(X)	3.1%	(X)	11.7%
Unrelated individuals 15 years and over	(X)	14.0%	(X)	11.7%	(X)	24.9%

SELECTED HOUSING CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
HOUSING OCCUPANCY						
Total housing units	16,755	16,755	17,510	17,510	421,361	421,361
Occupied housing units	15,759	94.1%	16,847	96.2%	382,822	90.9%
Vacant housing units	996	5.9%	663	3.8%	38,539	9.1%
Homeowner vacancy rate	0.8	(X)	0.9	(X)	0.7	(X)
Rental vacancy rate	4.4	(X)	3.4	(X)	4.8	(X)
UNITS IN STRUCTURE						
Total housing units	16,755	16,755	17,510	17,510	421,361	421,361
1-unit, detached	11,738	70.1%	12,781	73.0%	246,238	58.4%
1-unit, attached	861	5.1%	700	4.0%	12,128	2.9%
2 units	1,524	9.1%	1,102	6.3%	79,177	18.8%
3 or 4 units	701	4.2%	641	3.7%	24,529	5.8%
5 to 9 units	444	2.6%	651	3.7%	20,099	4.8%
10 to 19 units	352	2.1%	463	2.6%	10,179	2.4%
20 or more units	559	3.3%	599	3.4%	23,281	5.5%
Mobile home	576	3.4%	573	3.3%	5,628	1.3%
Boat, RV, van, etc.	0	0.0%	0	0.0%	102	0.0%
ROOMS						
Total housing units	16,755	16,755	17,510	17,510	421,361	421,361
1 room	69	0.4%	24	0.1%	6,453	1.5%
2 rooms	129	0.8%	204	1.2%	5,162	1.2%
3 rooms	689	4.1%	957	5.5%	26,007	6.2%
4 rooms	2,053	12.3%	1,979	11.3%	54,406	12.9%
5 rooms	3,455	20.6%	3,094	17.7%	83,329	19.8%
6 rooms	4,009	23.9%	3,970	22.7%	96,953	23.0%
7 rooms	2,272	13.6%	3,044	17.4%	61,069	14.5%
8 rooms	1,980	11.8%	1,800	10.3%	40,472	9.6%
9 rooms or more	2,099	12.5%	2,438	13.9%	47,510	11.3%
Median rooms	6.0	(X)	6.1	(X)	5.9	(X)
BEDROOMS						
Total housing units	16,755	16,755	17,510	17,510	421,361	421,361
No bedroom	78	0.5%	36	0.2%	6,975	1.7%
1 bedroom	1,182	7.1%	1,451	8.3%	37,638	8.9%
2 bedrooms	3,646	21.8%	3,911	22.3%	107,698	25.6%
3 bedrooms	8,042	48.0%	8,081	46.2%	182,151	43.2%
4 bedrooms	3,464	20.7%	3,601	20.6%	71,076	16.9%
5 or more bedrooms	343	2.0%	430	2.5%	15,823	3.8%
HOUSING TENURE						
Occupied housing units	15,759	15,759	16,847	16,847	382,822	382,822

SELECTED HOUSING CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
Owner-occupied	12,862	81.6%	13,563	80.5%	249,815	65.3%
Renter-occupied	2,897	18.4%	3,284	19.5%	133,007	34.7%
Average household size of owner-occupied unit	2.63	(X)	2.65	(X)	2.48	(X)
Average household size of renter-occupied unit	1.85	(X)	2.02	(X)	2.07	(X)
VEHICLES AVAILABLE						
Occupied housing units	15,759	15,759	16,847	16,847	382,822	382,822
No vehicles available	662	4.2%	850	5.0%	51,465	13.4%
1 vehicle available	5,318	33.7%	5,602	33.3%	148,208	38.7%
2 vehicles available	6,984	44.3%	7,535	44.7%	133,354	34.8%
3 or more vehicles available	2,795	17.7%	2,860	17.0%	49,795	13.0%
HOUSE HEATING FUEL						
Occupied housing units	15,759	15,759	16,847	16,847	382,822	382,822
Utility gas	14,711	93.3%	15,553	92.3%	340,005	88.8%
Bottled, tank, or LP gas	79	0.5%	117	0.7%	6,796	1.8%
Electricity	604	3.8%	944	5.6%	24,569	6.4%
Fuel oil, kerosene, etc.	250	1.6%	116	0.7%	5,867	1.5%
Coal or coke	0	0.0%	0	0.0%	171	0.0%
Wood	92	0.6%	85	0.5%	2,846	0.7%
Solar energy	0	0.0%	0	0.0%	46	0.0%
Other fuel	10	0.1%	10	0.1%	1,411	0.4%
No fuel used	13	0.1%	22	0.1%	1,111	0.3%
SELECTED CHARACTERISTICS						
Occupied housing units	15,759	15,759	16,847	16,847	382,822	382,822
Lacking complete plumbing facilities	57	0.4%	76	0.5%	1,320	0.3%
Lacking complete kitchen facilities	102	0.6%	141	0.8%	4,244	1.1%
No telephone service available	345	2.2%	238	1.4%	8,187	2.1%
OCCUPANTS PER ROOM						
Occupied housing units	15,759	15,759	16,847	16,847	382,822	382,822
1.00 or less	15,673	99.5%	16,775	99.6%	378,726	98.9%
1.01 to 1.50	49	0.3%	60	0.4%	2,834	0.7%
1.51 or more	37	0.2%	12	0.1%	1,262	0.3%
VALUE						
Owner-occupied units	12,862	12,862	13,563	13,563	249,815	249,815
Less than $50,000	575	4.5%	734	5.4%	22,586	9.0%

SELECTED HOUSING CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
$50,000 to $99,999	2,642	20.5%	1,383	10.2%	54,661	21.9%
$100,000 to $149,999	3,354	26.1%	4,025	29.7%	65,713	26.3%
$150,000 to $199,999	2,807	21.8%	2,603	19.2%	43,228	17.3%
$200,000 to $299,999	2,674	20.8%	3,767	27.8%	39,114	15.7%
$300,000 to $499,999	722	5.6%	1,006	7.4%	18,938	7.6%
$500,000 to $999,999	66	0.5%	27	0.2%	4,667	1.9%
$1,000,000 or more	22	0.2%	18	0.1%	908	0.4%
Median (dollars)	147,100	(X)	162,800	(X)	134,600	(X)
MORTGAGE STATUS						
Owner-occupied units	12,862	12,862	13,563	13,563	249,815	249,815
Housing units with a mortgage	8,880	69.0%	8,905	65.7%	155,882	62.4%
Housing units without a mortgage	3,982	31.0%	4,658	34.3%	93,933	37.6%
SELECTED MONTHLY OWNER COSTS (SMOC)						
Housing units with a mortgage	8,880	8,880	8,905	8,905	155,882	155,882
Median (dollars)	1,473	(X)	1,420	(X)	1,259	(X)
Housing units without a mortgage	3,982	3,982	4,658	4,658	93,933	93,933
Median (dollars)	550	(X)	563	(X)	503	(X)
SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME (SMOCAPI)						
Housing units with a mortgage (excluding units where SMOCAPI cannot be computed)	8,870	8,870	8,905	8,905	155,419	155,419
Less than 20.0 percent	3,929	44.3%	4,637	52.1%	80,952	52.1%
20.0 to 24.9 percent	1,897	21.4%	1,467	24,508	15.8%	24,508
25.0 to 29.9 percent	930	10.5%	1,031	14,858	9.6%	14,858
30.0 to 34.9 percent	624	7.0%	682	9,311	6.0%	9,311
35.0 percent or more	1,490	16.8%	1,088	25,790	16.6%	25,790
Not computed	10	(X)	0	463	(X)	463
Housing unit without a mortgage (excluding units where SMOCAPI cannot be computed)	3,939	3,939	4,628	4,628	92,822	92,822
Less than 10.0 percent	1,007	25.6%	1,794	38.8%	36,224	39.0%
10.0 to 14.9 percent	870	22.1%	1,049	22.7%	19,925	21.5%

SELECTED HOUSING CHARACTERISTICS	ACS 2011 Lancaster Central School		ACS 2016 Lancaster Central School		ACS 2016 ERIE COUNTY	
	Estimate	Percent	Estimate	Percent	Estimate	Percent
15.0 to 19.9 percent	648	16.5%	684	14.8%	11,661	12.6%
20.0 to 24.9 percent	384	9.7%	275	5.9%	6,838	7.4%
25.0 to 29.9 percent	300	7.6%	205	4.4%	4,713	5.1%
30.0 to 34.9 percent	133	3.4%	204	4.4%	3,449	3.7%
35.0 percent or more	597	15.2%	417	9.0%	10,012	10.8%
Not computed	43	(X)	30	(X)	1,111	(X)
GROSS RENT						
Occupied units paying rent	2,849	2,849	3,185	3,185	127,828	127,828
Median (dollars)	741	(X)	757	(X)	752	(X)
No rent paid	48	(X)	99	(X)	5,179	(X)
GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME (GRAPI)						
Occupied units paying rent (excluding units where GRAPI cannot be computed)	2,833	2,833	3,162	3,162	124,172	124,172
Less than 15.0 percent	520	18.4%	483	15.3%	20,507	16.5%
15.0 to 19.9 percent	626	22.1%	517	16.4%	15,250	12.3%
20.0 to 24.9 percent	261	9.2%	470	14.9%	14,325	11.5%
25.0 to 29.9 percent	361	12.7%	299	9.5%	12,763	10.3%
30.0 to 34.9 percent	232	8.2%	191	6.0%	9,884	8.0%
35.0 percent or more	833	29.4%	1,202	38.0%	51,443	41.4%
Not computed	64	(X)	122	(X)	8,835	(X)

Definition of Demographic Terms

Housing Unit. A housing unit may be a house, an apartment, a mobile home, a group of rooms or a single room that is occupied (or, if vacant, intended for occupancy) as separate living quarters. Separate living quarters are those in which the occupants live separately from any other individuals in the building and which have direct access from outside the building or through a common hall. For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants.

Occupied Housing Unit. A housing unit is classified as occupied if it is the current place of residence of the person or group of people living in it at the time of interview, or if the occupants are only temporarily absent from the residence for two months or less, that is, away on vacation or a business trip. If all the people staying in the unit at the time of the interview are staying there for two months or less, the unit is considered to be temporarily occupied and classified as "vacant". The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated people who share living quarters. The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered group quarters.

Group Quarters (GQs). GQs are places where people live or stay, in a group living arrangement that is owned or managed by an entity or organization providing housing and/or services for the residents. These services may include custodial or medical care, as well as other types of assistance, and residency is commonly restricted to those receiving these services. People living in GQs usually are not related to each other. GQs include such places as college residence halls, residential treatment centers, skilled nursing facilities, group homes, military barracks, correctional facilities, workers' dormitories, and facilities for people experiencing homelessness. GQs are defined according to the housing and/or services provided to residents, and are identified by census GQ type codes.

Vacant Housing Unit. A housing unit is vacant if no one is living in it at the time of interview. Units occupied at the time of interview entirely by persons who are staying two months or less and who have a more permanent residence elsewhere are considered to be temporarily occupied, and are classified as "vacant."

Vacancy Status. Vacancy status is a housing market indicator and provides information on the stability and quality of housing for certain areas. The data are used to assess the demand for housing, to identify housing turnover within areas, and to understand better the population within the housing market over time. These data also serve to aid in the development of housing programs to meet the needs of persons at different economic levels.

Homeowner Vacancy Rate The homeowner vacancy rate is the proportion of the homeowner inventory that is vacant "for sale". It is computed by dividing the number of vacant units "for sale only" by the sum of the owner-occupied units, vacant units that are "for sale only," and vacant units that have been sold but not yet occupied, and then multiplying by 100.

Rental Vacancy Rate The rental vacancy rate is the proportion of the rental inventory that is vacant "for rent". It is computed by dividing the number of vacant units "for rent" by the sum of the renter-occupied units, vacant units that are "for rent", and vacant units that have been rented but not yet occupied, and then multiplying by 100.

Tenure. Tenure provides a measurement of home ownership, which has served as an indicator of the nation's economy for decades. These data are used to aid in the distribution of funds for programs such as those involving mortgage insurance, rental housing, and national defense housing. Data on tenure allows planners to evaluate the overall viability of housing markets and to assess the stability of neighborhoods. The data also serve in understanding the characteristics of owner occupied and renter occupied units to aid builders, mortgage lenders, planning officials, government agencies, etc., in the planning of housing programs and services.

Owner Occupied. A housing unit is owner occupied if the owner or co-owner lives in the unit even if it is mortgaged or not fully paid for. The owner or co-owner must live in the unit and usually is Person 1 on the questionnaire. The unit is "Owned by you or someone in this household with a mortgage or loan" if it is being purchased with a mortgage or some other debt arrangement such as a deed of trust, trust deed, contract to purchase, land contract, or purchase agreement. The unit also is considered owned with a mortgage if it is built on leased land and there is a mortgage on the unit. Mobile homes occupied by owners with installment loan balances also are included in this category.

Renter Occupied. All occupied housing units which are not owner occupied, whether they are rented or occupied without payment of rent, are classified as renter occupied. "No rent paid" units are separately identified in the rent tabulations. Such units are generally provided free by friends or relatives or in exchange for services such as resident manager, caretaker, minister, or tenant farmer. Housing units on military bases also are classified in the "No rent paid" category. "Rented" includes units in continuing care, sometimes called life care arrangements. These

arrangements usually involve a contract between one or more individuals and a health services provider guaranteeing the individual shelter, usually a house or apartment, and services, such as meals or transportation to shopping or recreation.

Value Value is the respondent estimate of how much the property (house and lot, mobile home and lot, or condominium unit) would sell for if it were for sale. If the house or mobile home was owned or being bought, but the land on which it sits was not, the respondent was asked to estimate the combined value of the house or mobile home and the land. For vacant units, value was the price asked for the property. Value was tabulated separately for all owner-occupied and vacant-for-sale housing units, as well as owner-occupied and vacant-for-sale mobile homes. The value of a home provides information on neighborhood quality, housing affordability, and wealth. These data provide socioeconomic information not captured by household income and comparative information on the state of local housing markets. The data also serve to aid in the development of housing programs designed to meet the housing needs of persons at different economic levels.

Ancestry. Ancestry refers to a person's ethnic origin, heritage, descent, or roots, which may reflect their place of birth or that of previous generations of their family. Some ethnic identities, such as "Egyptian" or "Polish" can be traced to geographic areas outside the United States, while other ethnicities such as "Pennsylvania German" or "Cajun" evolved in the United States. The intent of the ancestry question was not to measure the degree of attachment the respondent had to a particular ethnicity, but simply to establish that the respondent had a connection to and self-identified with a particular ethnic group.

Educational Attainment. Educational attainment data are used to assess the socioeconomic condition of the U.S. population. Some government agencies require these data for funding allocations and program planning and implementation. These data are needed to determine the extent of illiteracy rates of citizens in language minorities in order to meet statutory requirements under the Voting Rights Act. Based on data about educational attainment, school districts are allocated funds to provide classes in basic skills to adults who have not completed high school. Educational attainment data are tabulated for people 18 years old and over.

Employment Status. Employment status is key to understanding work and unemployment patterns and the availability of workers. Based on labor market areas and unemployment levels, the U.S. Department of Labor identifies service delivery areas and determines amounts to be allocated to each for job training. The impact of immigration on the economy and job markets is determined partially by labor force data, and this information is included in required reports to Congress. OMB uses data about employed workers as part of the criteria for defining metropolitan areas. The Bureau of Economic Analysis uses these data to develop its state per capita income estimates used in the allocation formulas and eligibility criteria for many federal programs such as Medicaid.

Employed. The employed population includes all civilians 16 years old and over who either (1) were "at work," that is, those who did any work at all during the reference week as paid employees, worked in their own business or profession, worked on their own farm, or worked 15 hours or more as unpaid workers on a family farm or in a family business; or (2) were "with a job but not at work," that is, those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are people whose only activity consisted of work around the house or unpaid volunteer work for religious, charitable, and similar organizations; also excluded are all institutionalized people and people on active duty in the United States Armed Forces. Employed and Civilian Employed are synonymous.

Unemployed. The employed population includes all civilians 16 years old and over are classified as unemployed if they (1) were neither "at work" nor "with a job but not at work" during the reference week, and (2) were actively looking for work during the last 4 weeks, and (3) were available to start a job. Also included as unemployed are civilians who did not work at all during the reference week, were waiting to be called back to a job from which they had been laid off, and were available for work except for temporary illness.

Civilian Labor Force. The sum of people employed or unemployed in accordance with the criteria described above.

Unemployment Rate. The unemployment rate is the number of unemployed people as a percentage of the civilian labor force. For example, if the civilian labor force equals 100 people and seven people are unemployed, then the unemployment rate would be 7 percent.

Labor Force The labor force is the sum of the civilian labor force plus members of the U.S. Armed Forces (people on active duty with the United States Army, Air Force, Navy, Marine Corps, or Coast Guard).

Labor Force Participation Rate. The labor force participation rate is the proportion of the population that is in the labor force. For example, if there are 100 people in the population 16 years and over, and 64 of them are in the labor force, then the labor force participation rate for the population 16 years and over would be 64 percent.

Not in Labor Force. All people 16 years old and over who are not classified as members of the labor force. This category consists mainly of students, homemakers, retired workers, seasonal workers interviewed in an off-season who were not looking for work, institutionalized people, and people doing only incidental unpaid family work (less than 15 hours during the reference week).

Worker. Workers appear in connection with several subjects: employment status, journey-to-work questions, class of worker, weeks worked in the past 12 months, and number of workers in family in the past 12 months. The meaning varies and, therefore, should be determined in each case by referring to the definition of the subject in which it appears. When used in the concepts "workers in family" and "full-time, year-round workers", the term "worker" relates to the meaning of work defined for the "work experience" subject.

Fertility. Fertility measures are useful to determine geographies with high numbers of women with births and the characteristics of these women, such as age and marital status. When fertility was not reported, it was imputed according to the woman's age and marital status and the possibility there was an infant in the household. Data are most frequently presented in terms of the aggregate number of women who had a birth in the past 12 months in the specified category, and in terms of the rate per 1,000 women.

Total Fertility Rate. This measure estimates the number of children a group of 1,000 women would have by the end of their childbearing years if they all experienced the same-age specific birth rates between ages 15-50 in a given year. This rate is used for comparisons among different population groups--for example, women in different geographical areas--as the rate accounts for differences in the age distribution in those areas. It is calculated by summing the age-specific birth rates for women in 5-year age groups between ages 15-19 and 40-44 and ages 45-50 and multiplying these rates by 5--or by 6 for the final age group--representing the number of years in each age group. The sum of these individual rates is then multiplied by 1,000 to represent the numbers of births per 1,000 women.

Hispanic or Latino Origin. The data on the Hispanic or Latino population were derived from answers to a question that was asked of all people. The terms "Hispanic", "Latino", and "Spanish" are used interchangeably. Origin can be viewed as the heritage, nationality group, lineage, or country of birth of the person or the person's parents or ancestors before their arrival in the United States. People who identify their origin as Hispanic, Latino, or Spanish may be of any race.

Household Type and Relationship. The data on relationship to householder are tabulated for all people in housing units. Relationship data are essential for classifying the population info families and other groups. Information about changes in the composition of the American family, from the number of people living alone to the number of children living with only one parent, is essential for planning and carrying out a number of federal programs, such as families in poverty.

Household. A household includes all the people who occupy a housing unit. People not living in households are classified as living in group quarters. A housing unit is a house, an apartment, a mobile home, a group of rooms, or a single room that is occupied (or if vacant, is intended for occupancy) as separate living quarters. Separate living quarters are those in which the occupants live separately from any other people in the building and which have direct access from the outside of the building or through a common hall. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated people who share living arrangements.

Appendix B: Tables Illustrating the Baseline Enrollment Projection Estimates

TABLE 7-A: LOW RANGE BASELINE COHORT SURVIVAL STATISTIC ENROLLMENT PROJECTIONS GRADES K-12
LANCASTER CENTRAL SCHOOL DISTRICT

YEAR	KNDG	R	1ST	R	2ND	R	3RD	R	4TH	R	5TH	R	6TH	R	7TH	R	8TH	R	9TH	R	10TH	R	11TH	R	12TH	TOTAL
12-13	353		371		402		433		446		478		426		511		464		499		483		482		494	5842
13-14	383	1.03	362	0.99	366	1.01	408	1.01	437	1.01	449	1.00	479	1.02	433	1.00	511	0.99	460	1.00	500	0.99	478	1.03	495	5761
14-15	378	1.00	383	1.06	383	1.04	379	0.99	404	1.03	448	1.01	455	1.01	484	1.01	438	1.00	510	1.03	475	1.03	513	1.03	491	5741
15-16	401	1.02	385	1.02	390	0.99	381	1.04	393	1.03	416	1.01	451	1.04	472	1.02	493	1.01	441	0.98	500	1.01	481	1.01	519	5723
16-17	372	1.02	409	1.01	390	1.04	406	1.05	401	1.03	404	1.00	415	1.00	450	1.01	479	0.96	474	1.01	447	1.00	498	1.03	496	5641
17-18	443	1.00	371	1.01	415	1.01	392	1.01	412	1.03	412	1.02	412	0.98	407	1.00	450	0.98	469	1.01	478	0.98	439	1.03	514	5614
Average Ratio		1.012		1.018		1.018		1.021		1.023		1.008		1.009		1.009		0.987		1.007		1.001		1.026		
18-19	401		448		378		423		400		422		415		416		411		444		472		479		450	5559
19-20	363		406		457		385		431		409		425		419		419		405		448		473		491	5531
20-21	348		367		413		465		393		441		413		429		423		414		408		448		485	5447
21-22	384		352		374		421		475		402		445		416		432		417		417		409		460	5404
22-23	378		389		359		381		430		486		405		449		420		427		420		418		420	5380
23-24	379		383		396		365		389		440		489		408		453		415		430		421		428	5396
24-25	380		384		390		403		373		398		443		494		412		447		418		431		432	5403
25-26	381		385		391		397		411		381		401		447		498		407		450		418		442	5409
26-27	382		386		392		398		405		421		385		405		451		492		410		451		429	5404
27-28	383		387		393		399		406		414		424		388		408		445		495		410		463	5415

TABLE 7-B: MID RANGE BASELINE COHORT SURVIVAL STATISTIC ENROLLMENT PROJECTIONS GRADES K-12
LANCASTER CENTRAL SCHOOL DISTRICT

YEAR	KNDG	R	1ST	R	2ND	R	3RD	R	4TH	R	5TH	R	6TH	R	7TH	R	8TH	R	9TH	R	10TH	R	11TH	R	12TH	TOTAL
12-13	353		371		402		433		446		478		426		511		464		499		483		482		494	5842
13-14	383	1.03	362	0.99	366	1.01	408	1.01	437	1.01	449	1.00	479	1.02	433	1.00	511	0.99	460	1.00	500	0.99	478	1.03	495	5761
14-15	378	1.00	383	1.06	383	1.04	379	0.99	404	1.03	448	1.01	455	1.01	484	1.01	438	1.00	510	1.03	475	1.03	513	1.03	491	5741
15-16	401	1.02	385	1.02	390	0.99	381	1.04	393	1.03	416	1.01	451	1.04	472	1.02	493	1.01	441	0.98	500	1.01	481	1.01	519	5723
16-17	372	1.02	409	1.01	390	1.04	406	1.05	401	1.03	404	1.00	415	1.00	450	1.01	479	0.96	474	1.01	447	1.00	498	1.03	496	5641
17-18	443	1.00	371	1.01	415	1.01	392	1.01	412	1.03	412	1.02	412	0.98	407	1.00	450	0.98	469	1.01	478	0.98	439	1.03	514	5614
Average Ratio		1.012		1.018		1.018		1.021		1.023		1.008		1.009		1.009		0.987		1.007		1.001		1.026		
18-19	450		448		378		423		400		422		415		416		411		444		472		479		450	5608
19-20	415		456		457		385		431		409		425		419		419		405		448		473		491	5633
20-21	404		420		464		465		393		441		413		429		423		414		408		448		485	5607
21-22	454		409		428		472		475		402		445		416		432		417		417		409		460	5636
22-23	447		460		416		436		482		486		405		449		420		427		420		418		420	5684
23-24	453		452		468		424		445		493		489		408		453		415		430		421		428	5780
24-25	460		459		461		476		433		455		497		494		412		447		418		431		432	5874
25-26	466		466		467		469		486		443		459		501		498		407		450		418		442	5972
26-27	472		472		474		475		479		498		446		462		506		492		410		451		429	6066
27-28	479		478		480		483		485		490		502		450		467		500		495		410		463	6181

TABLE 7-C: HIGH RANGE BASELINE COHORT SURVIVAL STATISTIC ENROLLMENT PROJECTIONS GRADES K-12
LANCASTER CENTRAL SCHOOL DISTRICT

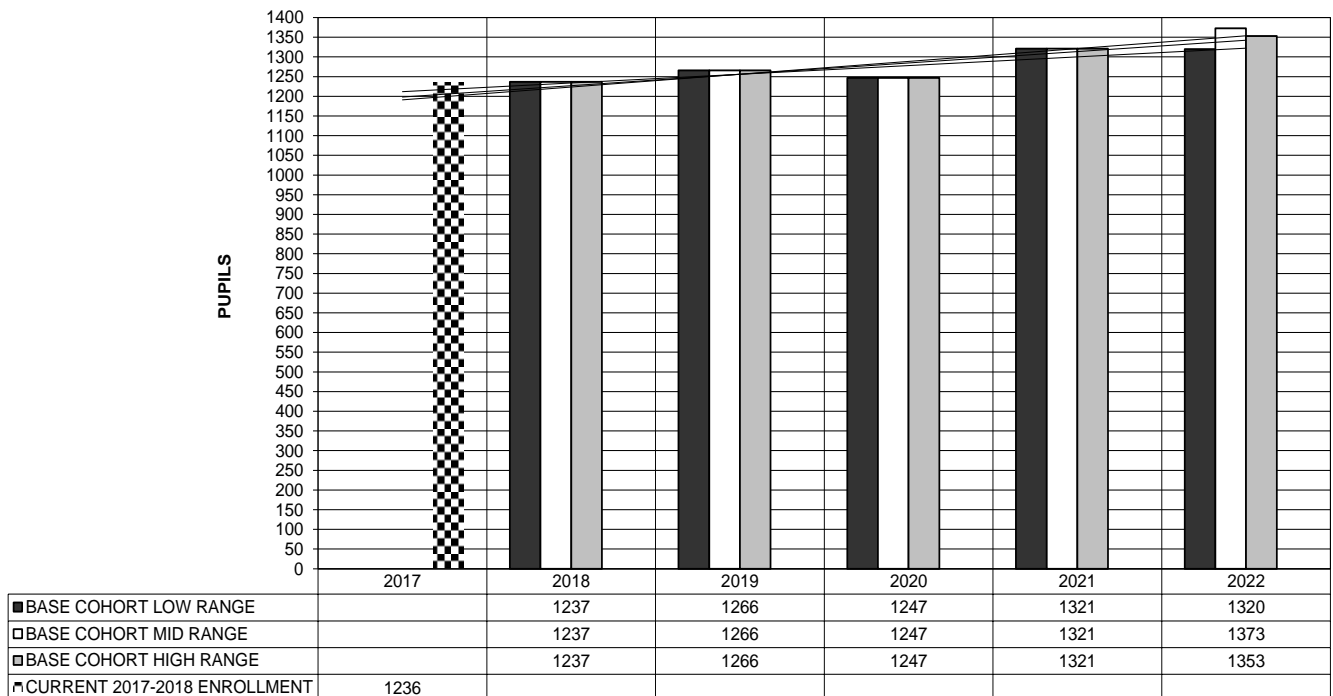	YEAR	KNDG	R	1ST	R	2ND	R	3RD	R	4TH	R	5TH	R	6TH	R	7TH	R	8TH	R	9TH	R	10TH	R	11TH	R	12TH	TOTAL
12-13	353		371		402		433		446		478		426		511		464		499		483		482		494	5842
13-14	383	1.03	362	0.99	366	1.01	408	1.01	437	1.01	449	1.00	479	1.02	433	1.00	511	0.99	460	1.00	500	0.99	478	1.03	495	5761
14-15	378	1.00	383	1.06	383	1.04	379	0.99	404	1.03	448	1.01	455	1.01	484	1.01	438	1.00	510	1.03	475	1.03	513	1.03	491	5741
15-16	401	1.02	385	1.02	390	0.99	381	1.04	393	1.03	416	1.01	451	1.04	472	1.02	493	1.01	441	0.98	500	1.01	481	1.01	519	5723
16-17	372	1.02	409	1.01	390	1.04	406	1.05	401	1.03	404	1.00	415	1.00	450	1.01	479	0.96	474	1.01	447	1.00	498	1.03	496	5641
17-18	443	1.00	371	1.01	415	1.01	392	1.01	412	1.03	412	1.02	412	0.98	407	1.00	450	0.98	469	1.01	478	0.98	439	1.03	514	5614
Average Ratio		1.012		1.018		1.018		1.021		1.023		1.008		1.009		1.009		0.987		1.007		1.001		1.026		
18-19	432		448		378		423		400		422		415		416		411		444		472		479		450	5590
19-20	445		437		457		385		431		409		425		419		419		405		448		473		491	5644
20-21	457		450		445		465		393		441		413		429		423		414		408		448		485	5671
21-22	470		463		459		453		475		402		445		416		432		417		417		409		460	5718
22-23	483		476		471		467		463		486		405		449		420		427		420		418		420	5803
23-24	374		489		484		480		477		474		489		408		453		415		430		421		428	5822
24-25	386		379		498		493		490		488		477		494		412		447		418		431		432	5843
25-26	397		391		385		507		503		501		492		481		498		407		450		418		442	5873
26-27	409		402		398		392		517		515		505		496		486		492		410		451		429	5902
27-28	420		414		409		405		401		529		519		509		500		480		495		410		463	5955

BASE COHORT ENROLLMENT PROJECTIONS SUMMARY FOR
LANCASTER CENTRAL SCHOOL DISTRICT

	LOW RANGE PROJECTION					MID RANGE PROJECTION					HIGH RANGE PROJECTION				
YEAR	K-3	4-6	7-8	9-12	K-12	K-3	4-6	7-8	9-12	K-12	K-3	4-6	7-8	9-12	K-12
2018	1650	1237	826	1846	5559	1699	1237	826	1846	5608	1681	1237	826	1846	5590
2019	1610	1266	838	1817	5531	1712	1266	838	1817	5633	1723	1266	838	1817	5644
2020	1594	1247	851	1756	5447	1753	1247	851	1756	5607	1818	1247	851	1756	5671
2021	1531	1321	849	1703	5404	1763	1321	849	1703	5636	1845	1321	849	1703	5718
2022	1506	1320	869	1684	5380	1758	1373	869	1684	5684	1897	1353	869	1684	5803
2023	1523	1318	861	1694	5396	1797	1427	861	1694	5780	1827	1440	861	1694	5822
2024	1556	1214	906	1727	5403	1856	1385	906	1727	5874	1756	1455	906	1727	5843
2025	1553	1194	945	1717	5409	1868	1388	1000	1717	5972	1680	1496	979	1717	5873
2026	1557	1210	855	1782	5404	1893	1423	968	1782	6066	1601	1538	982	1782	5902
2027	1561	1245	796	1814	5415	1920	1477	917	1868	6181	1648	1449	1010	1848	5955

	LOW RANGE PROJECTION			MID RANGE PROJECTION			HIGH RANGE PROJECTION		
YEAR	K-6	7-12	TOTAL K-12	K-6	7-12	TOTAL K-12	K-6	7-12	TOTAL K-12
2018	2887	2672	5559	2936	2672	5608	2918	2672	5590
2019	2876	2655	5531	2977	2655	5633	2989	2655	5644
2020	2840	2607	5447	2999	2607	5607	3064	2607	5671
2021	2852	2552	5404	3084	2552	5636	3166	2552	5718
2022	2826	2553	5380	3131	2553	5684	3250	2553	5803
2023	2840	2555	5396	3225	2555	5780	3267	2555	5822
2024	2770	2633	5403	3241	2633	5874	3210	2633	5843
2025	2747	2662	5409	3255	2717	5972	3176	2697	5873
2026	2767	2637	5404	3316	2750	6066	3139	2763	5902
2027	2806	2610	5415	3397	2785	6181	3098	2858	5955

GRADES K-3 ESTIMATED ENROLLMENT
SCENARIOS 2018-2022

	2017	2018	2019	2020	2021	2022
■ BASE COHORT LOW RANGE		1650	1610	1594	1531	1506
□ BASE COHORT MID RANGE		1699	1712	1753	1763	1758
▨ BASE COHORT HIGH RANGE		1681	1723	1818	1845	1897
▨ CURRENT 2017-2018 ENROLLMENT	1621					
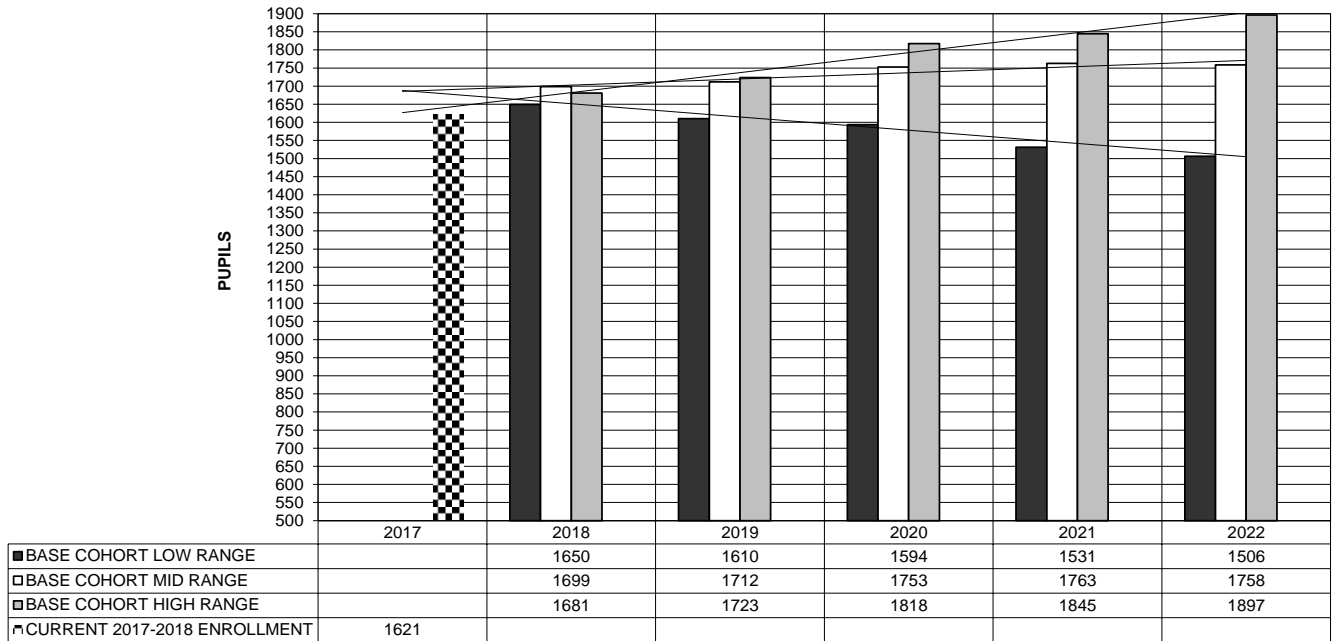
GRADES 4-6 ESTIMATED ENROLLMENT
SCENARIOS 2018-2022

	2017	2018	2019	2020	2021	2022
■ BASE COHORT LOW RANGE		1237	1266	1247	1321	1320
□ BASE COHORT MID RANGE		1237	1266	1247	1321	1373
▨ BASE COHORT HIGH RANGE		1237	1266	1247	1321	1353
▨ CURRENT 2017-2018 ENROLLMENT	1236					

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GRADES 7-8 ESTIMATED ENROLLMENT
SCENARIOS 2018-2025

	2017	2018	2019	2020	2021	2022	2023	2024	2025
■ BASE COHORT LOW RANGE		826	838	851	849	869	861	906	945
□ BASE COHORT MID RANGE		826	838	851	849	869	861	906	1000
▨ BASE COHORT HIGH RANGE		826	838	851	849	869	861	906	979
CURRENT 2017-2018 ENROLLMENT	857								
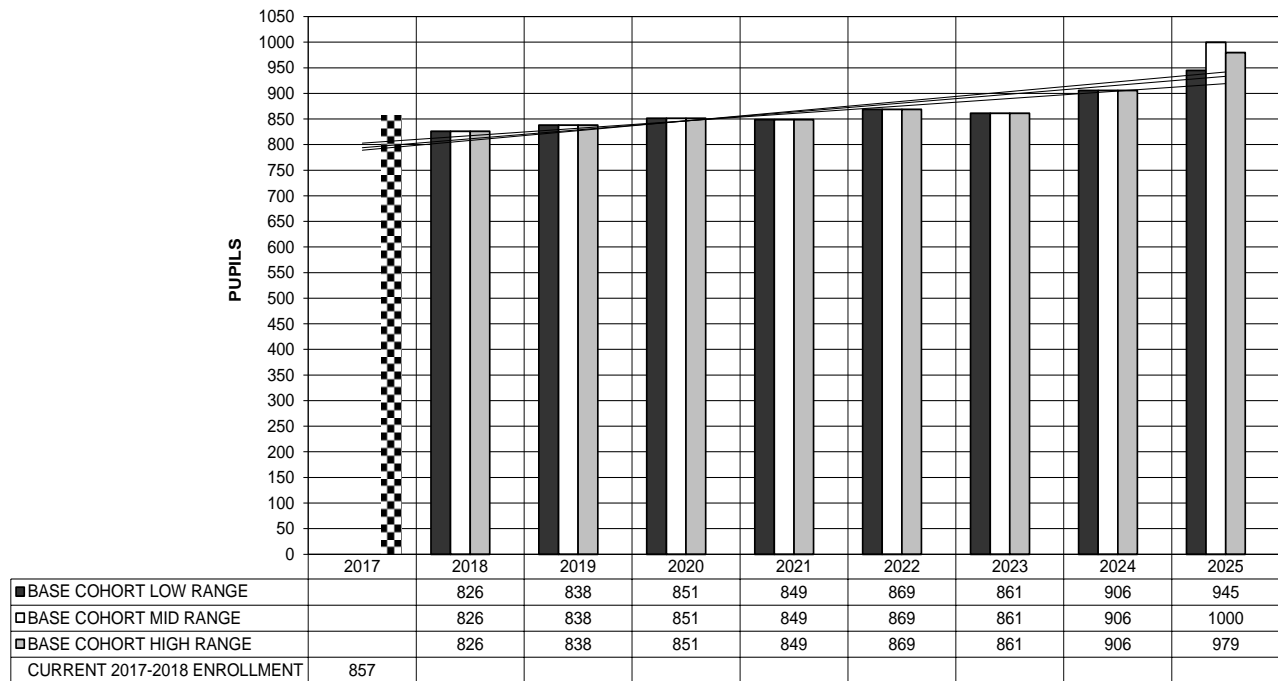
GRADES 9-12 ESTIMATED ENROLLMENT
SCENARIOS 2018-2027

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
■ BASE COHORT LOW RANGE		1846	1817	1756	1703	1684	1694	1727	1717	1782	1814
□ BASE COHORT MID RANGE		1846	1817	1756	1703	1684	1694	1727	1717	1782	1868
▨ BASE COHORT HIGH RANGE		1846	1817	1756	1703	1684	1694	1727	1717	1782	1848
▪ CURRENT 2017-2018 ENROLLMENT	1900										

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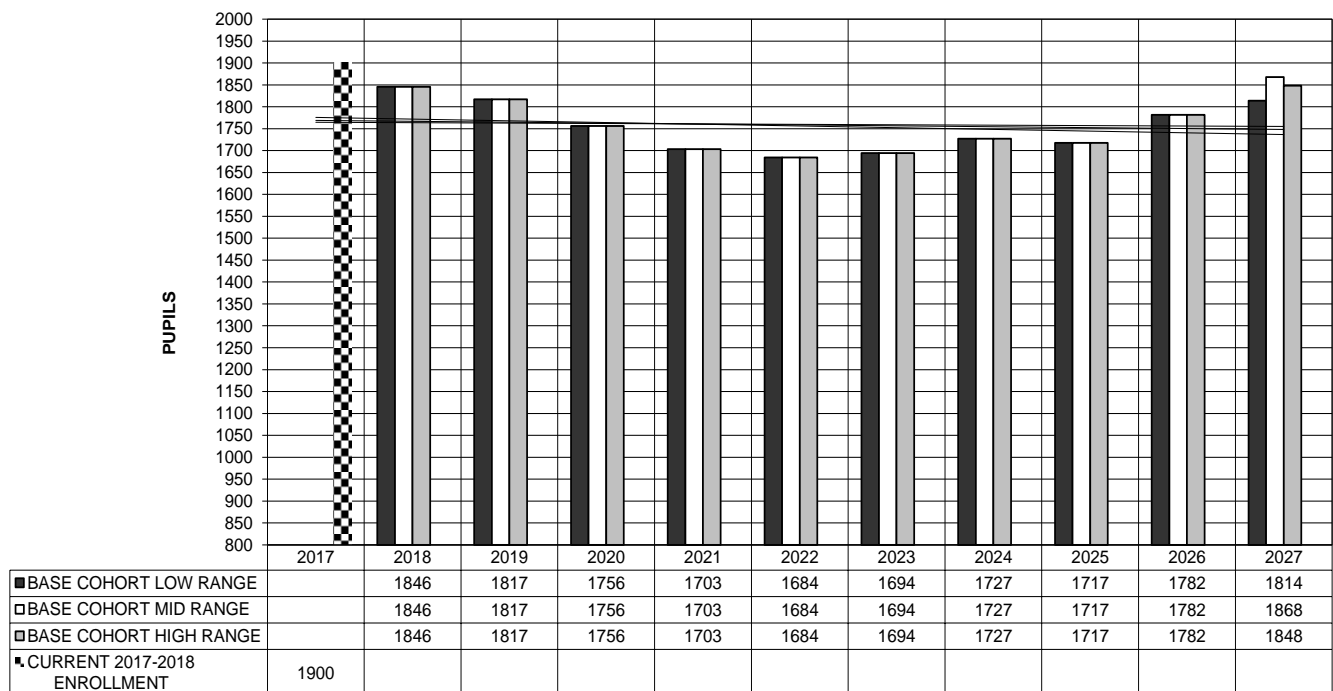
LANCASTER CENTRAL SCHOOL ELEMENTARY ATTENDANCE AREAS
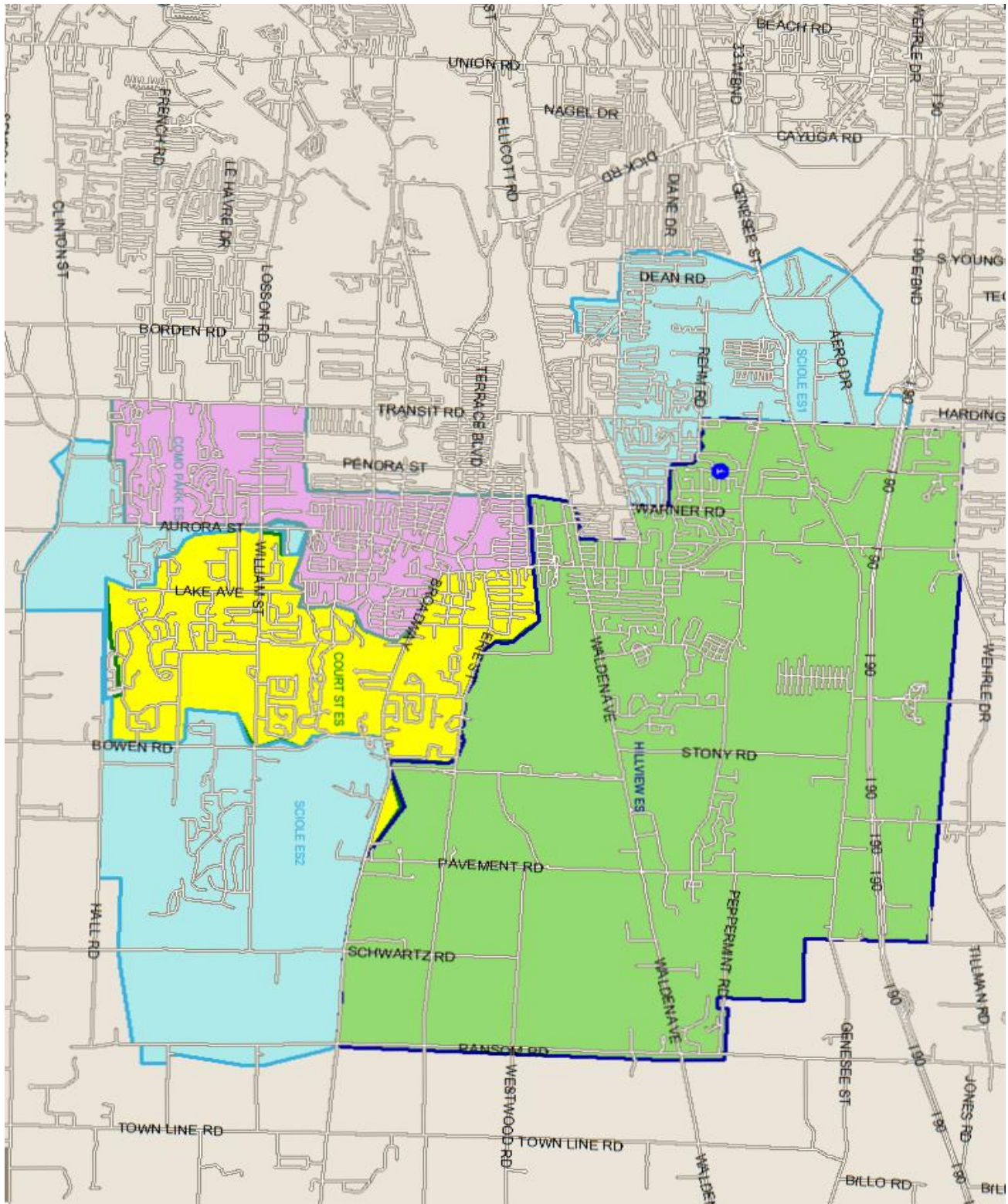
HILLVIEW ELEMENTARY
COURT STREET ELEMENTARY
JOHN A. SCIOLE ELEMENTARY
COMO PARK ELEMENTARY