

FINAL REPORT

**DEMOGRAPHIC
AND
ENROLLMENT
STUDY-2011**



**Norwin School District
North Huntingdon, Pennsylvania**

June 20, 2011



Final Report

Educational Planning And Documentation
Leading To The Development Of A

DEMOGRAPHIC AND ENROLLMENT STUDY-2011

NORWIN SCHOOL DISTRICT
North Huntingdon, Pennsylvania
June 20, 2011

INGRAHAM DANCU ASSOCIATES, LLC



CONSULTANTS FOR EDUCATIONAL FACILITY AND LONG-RANGE PLANNING

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**NORWIN SCHOOL DISTRICT
DEMOGRAPHIC AND ENROLLMENT STUDY
2011**

I.

**COMMUNITY COMPRISING THE
NORWIN SCHOOL DISTRICT**

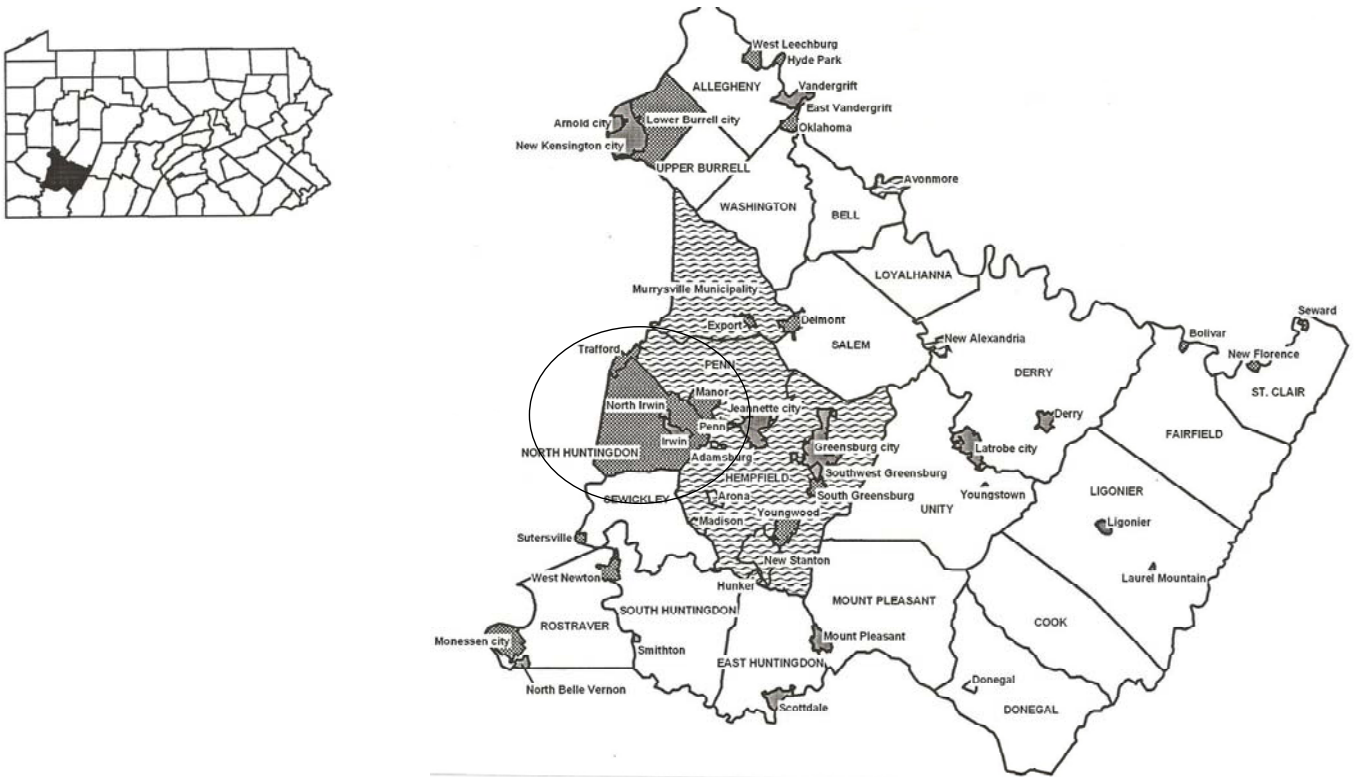


Section One

THE COMMUNITY COMPRISING THE NORWIN SCHOOL DISTRICT

The Norwin School District (NSD) is one of seventeen school districts in Westmoreland County, Pennsylvania. The NSD includes the municipalities of North Huntingdon Township, Borough of Irwin and North Irwin Borough. Major state route 30 and I-76 intersects the school district. This region of Norwin is characterized by urban, semi-rural/rural development including residential, commercial, and industrial.

LOCATION OF WESTMORELAND COUNTY, PENNSYLVANIA NORWIN SCHOOL DISTRICT



POPULATION TRENDS

Several sources of population data were consulted for this study; most data sources were based on the U. S. Census, Westmoreland County Planning Commission data, North Huntingdon Township Planning Commission and Comprehensive Plan, North Irwin Borough website and Borough of Irwin website, and population data from the Penn State Data Center. Table I-1 profiles 2000 through 2010 data for the general population for the municipalities of the district with comparison to Westmoreland County data. The overall county general population results indicate a decreasing trend in general population with the exception of North Huntingdon Township showing a slight increases.

**Table I-1
GENERAL POPULATION BY MUNICIPALITY**

NORWIN SD TOTAL POPULATION			DIFFERENCE	PERCENT CHANGE
MUNICIPALITIES OF NSD	2000	2010	2000-10	2000-2010
North Huntingdon Township	29,123	30,609	1,486	5.10
North Irwin Borough	879	846	-33	-3.75
Irwin Borough	4,366	3,973	-393	-9.00
TOTALS	34,368	35,428	1,060	3.08
WESTMORELAND COUNTY	369,993	365,169	-4,824	-1.30
Source: Penn State Data Center				

Table I-2 displays the 2000 and 2010 US Census data comparisons in age levels, “school age population,” under age five and under age eighteen. The data indicates that most school age groups have declined over the past ten years. Note: keep in mind that not all of the student population under 18 years of age attends the Norwin School District schools.

**Table I-2
GENERAL POPULATION AGE GROUPS
NORWIN SCHOOL DISTRICT**

GENERAL POPULATION UNDER AGE 5			DIFFERENCE	PERCENT CHANGE
MUNICIPALITIES OF NSD	2000	2010	2000-10	2000-2010
North Huntingdon Township	1,533	1,500	-33	-2.15
North Irwin Borough	45	57	12	26.67
Irwin Borough	235	232	-3	-1.28
TOTALS	1,578	1,557	-21	-1.33
Source: Penn State Data Center				

GENERAL POPULATION UNDER 18			DIFFERENCE	PERCENT CHANGE
MUNICIPALITIES OF NSD	2000	2010	2000-10	2000-2010
North Huntingdon Township	6,343	5,639	-704	-11.10
North Irwin Borough	198	188	-10	-5.05
Irwin Borough	911	695	-216	-23.71
TOTALS	6,541	5,827	-714	-10.92
Source: Penn State Data Center				

Table I-3 displays the municipal data for the residents over age 65 and the median age data from the 2000 and 2010 US Census. The data indicates that the number of individuals over the age of 65 has increased and the median age level has risen in two of the three municipal groups .

Table I-3

**GENERAL POPULATION OVER AGE 65 AND MEDIAN AGE
NORWIN SCHOOL DISTRICT**

GENERAL POPULATION OVER 65			DIFFERENCE	PERCENT CHANGE
MUNICIPALITIES OF NSD	2000	2010	2000-10	2000-2010
North Huntingdon Township	5,169	5,640	471	9.11
North Irwin Borough	141	116	-25	-17.73
Irwin Borough	714	647	-67	-9.38
TOTALS	5,310	5,756	446	8.40
Source: Penn State Data Center				

MEDIAN AGE			DIFFERENCE	PERCENT CHANGE
MUNICIPALITIES OF NSD	2000	2010	2000-10	2000-2010
North Huntingdon Township	41.90	44.90	3.00	7.16
North Irwin Borough	39.00	38.70	3.00	7.69
Irwin Borough	36.90	40.20	-0.30	-0.81
AVERAGE	39.27	41.27	2.00	5.09
Source: Penn State Data Center				

RESIDENTIAL BUILDING

The data gathering process substantiated that there are new developments of homes or apartments that are being considered in the near or distinct future in the municipalities of the school district. All sources of data also indicate that the Norwin area economy has slowed in recent years and it appears that the trend could continue into the future. The North Huntingdon Township Planning Commission has provided considerable assistance in developing this section of the report. The consultants reviewed the all new residential building permits and patterns for the lot approvals for new residences from 2008 through 2010. Table I-5 displays the data for 1995-2010. Additional North Huntingdon Township permit data is shown in Appendix A of this report.

Table I-5

APPROVED NEW RESIDENTIAL BUILDING PERMITS

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total Permits	307	300	298	299	329	335	322	407	471	408	438	484	410	359	338	357
Single Family	120	109	117	98	156	86	100	115	176	132	170	164	129	98	83	118
SF Construction Cost	\$3,336,093	\$1,022,348	\$2,348,024	\$1,132,673	\$49,000	\$34,755,886	\$16,931,609	\$48,173,423	\$42,127,639	\$42,671,518	\$48,717,448	\$62,301,516	\$29,325,370	\$21,836,488	\$23,623,159	\$31,933,224

Source: North Huntingdon Planning Commission

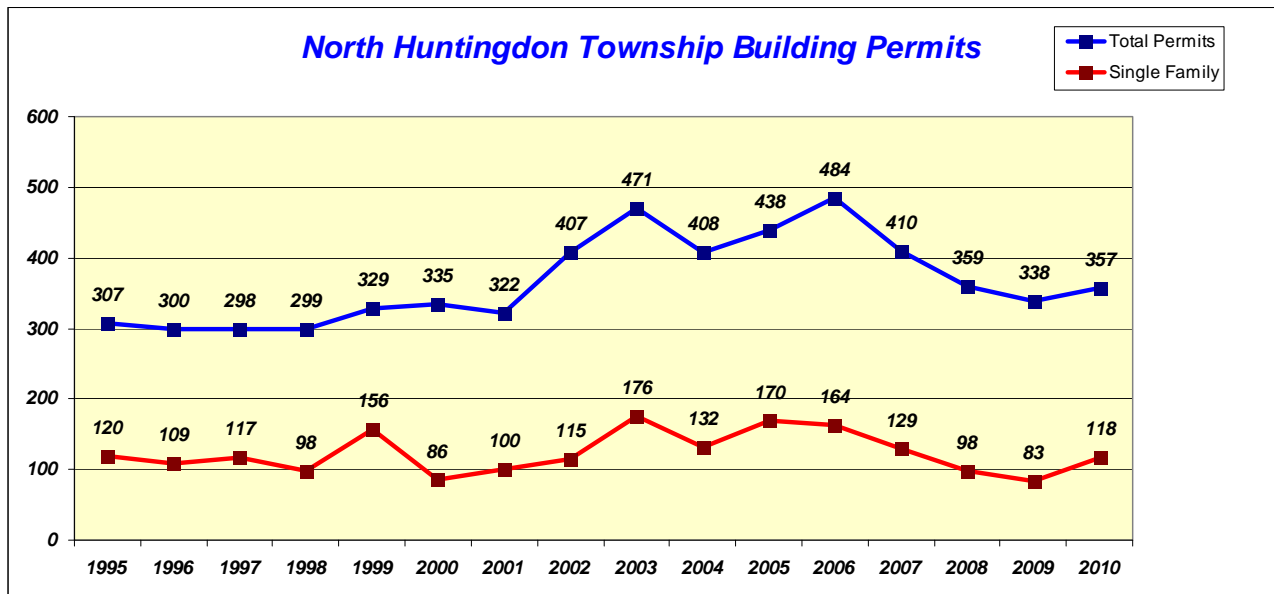


Table I-6
APPROVED RESIDENTIAL LOTS FOR 2008-2010
NORTH HUNTINGDON TOWNSHIP

Plan	2008 Year to Date	2009 Year to Date	2010 Year to Date
Dartmoor Estates, Phase 1	1	0	0
Dartmoor Estates, Phase 2	17	2	9
Willow Glenn Phase 3	5	1	1
Willow Heights	5	3	0
Chestnut Hill	3	16	15
Kerber Farm Estates, Phase 3	11	9	0
Legends, Phase 3	0	0	0
Redstone Highlands	2	4	2
Lincoln Hills Phase 2	6	0	2
Lincoln Hills Phase 3	10	0	1
Lincoln Hills Phase 4	29	7	0
Lincoln Hills Phase 5	0	16	30
Lincoln Hills Phase 6	12	30	11
St. George Acres	0	0	0
Mountain Ridge Estates	0	1	1
Oakton Manor, Phase 2	2	1	1
Woodridge Estates, Phase 1	0	0	4
Grandview Commons	0	0	0
Atwood Estates	0	0	0
Summerview Estates	1	1	1
Stonebridge	1	1	1
Villa Portifino	0	0	1
Off-site	4	7	11

Source: North Huntingdon Planning Commission

SUMMARY

The analysis of the data could indicate that the demographic trend of decreasing general population and some deductions in development of new residential structures could continue over the next decade. However, the historical building permit data indicates that if the economy improves, new residential development may occur. The demographic profile of the Norwin School District like all other Western Pennsylvania school district could be dramatically altered by any significant changes in the local economy that were not anticipated.

**NORWIN SCHOOL DISTRICT
DEMOGRAPHIC AND ENROLLMENT STUDY
2011**

II.

ENROLLMENT PATTERNS



Section Two

ENROLLMENT PATTERNS

HISTORICAL ENROLLMENT PATTERNS

An accurate assessment of the number of pupils to be housed in the school facilities of the district is an essential element of any database used in the administration of any school district and appropriate utilization of school facilities. It is important to know where in the district the expected students reside and what grade they will attend in order to provide the appropriate facilities. As much as possible, schools need to be located where they will serve the greatest number of students with the least amount of inconvenience and cost. The preparation of such estimates is a complex task with attention given to a combination of a large number of interwoven variables; the first step in the procedure is an examination of the enrollment history of the district. The actual total historical enrollment data are shown on the following pages in Table II-1, and is graphically depicted in Figure II-1 in order to show the relationship between each of the grade groups and total enrollment.

Review of the actual historical enrollment of the Norwin School District prompts several observations:

- [] The 2003-2004 district school enrollments (5,129) are the lowest total student enrollments over the past eleven years.
- [] Kindergarten enrollments have averaged approximately 357 students over the past three years.
- [] Kindergarten enrollment reached its nadir (lowest point) for the past eleven years in the 2000-2001 school year (273)
- [] The nadir (lowest point) of elementary K-4 enrollment (1,743) occurred in the 2000-2001 school year. K-4 student enrollments have consistently increased since that time with only a slight downturns from 2009 to 2010.
- [] The 2000-2001 school year intermediate level (5-6) the school enrollments (596) were the lowest enrollments at this grade level over the past eleven years.
- [] Since the establishment of the single middle school in 2003, the middle level (7-8) school enrollments (807) in 2008-2009 were the lowest enrollments at this grade level over the past eleven years.
- [] High school enrollments have remained steady since the lowest enrollment in 2000-2001 school year (1,617) to a present level of 1,693 students.

As shown in the tabulation in Table II-1 and the chart Figure II-1 on the next page, the district's enrollment reached its nadir (lowest point) in the 2003-2004 school year. This historical pattern demonstrates a moderation of the total District enrollments. These data reflect the overview of social and economic changes in the Norwin community over the past decade. Significantly, these changes have also been similar to regional and national trends for similar residential environments.

Table II-1

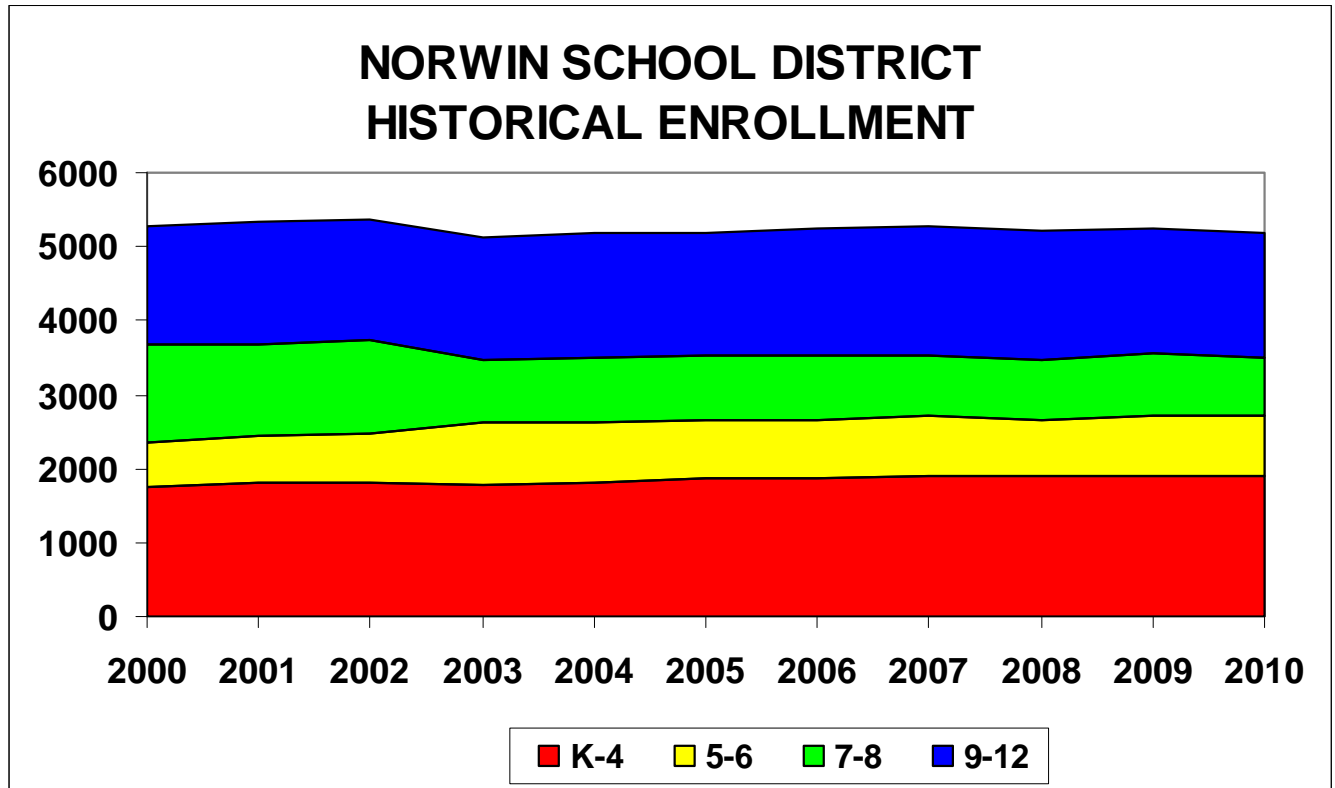
HISTORICAL SCHOOL ENROLLMENT
Norwin School District
2000-2010

GRADES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
K	273	338	307	341	365	347	354	364	376	367	329
1	331	329	371	329	352	391	368	379	385	405	397
2	367	358	347	362	344	359	393	365	367	384	407
3	390	381	377	368	382	369	375	404	368	382	392
4	382	408	400	383	365	398	379	382	406	376	382
5	372	405	422	414	398	377	410	389	367	407	376
6	224	219	236	430	428	410	382	420	398	392	421
7	609	644	634	424	440	450	421	391	423	406	405
8	723	608	643	402	422	438	446	427	384	426	397
9	407	454	409	435	415	434	455	448	426	387	435
10	417	410	447	406	433	420	430	456	451	422	393
11	391	398	394	438	407	415	414	449	445	449	425
12	402	372	384	397	443	393	413	415	430	432	440
TOTAL	5288	5324	5371	5129	5194	5201	5240	5289	5226	5235	5199
GRADES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
K-4	1743	1814	1802	1783	1808	1864	1869	1894	1902	1914	1907
5-6	596	624	658	844	826	787	792	809	765	799	797
7-8	1332	1252	1277	826	862	888	867	818	807	832	802
9-12	1617	1634	1634	1676	1698	1662	1712	1768	1752	1690	1693

Source: Official PDE Data submitted October 15 of each year

Figure II-1

TOTAL DISTRICT HISTORICAL ENROLLMENT
Norwin School District
2000-2010



PROGRESSION RATIOS

Table II-2 displays the retention ratios of student enrollments from grade to grade and year to year. As an example, the progression ratios indicate that the 338 students in Kindergarten in 2001-2002 became 371 students in grade one in 2002-2003 . The table shows all progression ratios from 2000-2010 for each grade level and year of the district.

Table I-2

PROGRESSION RATIOS 2000-2010

GRADES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
B-K	0.748	0.904	0.793	0.909	1.037	1.024	1.086	1.020	1.080	1.129	0.971
B-1	0.907	0.901	0.992	0.850	0.939	1.111	1.086	1.163	1.078	1.164	1.222
K-K		1.238	0.908	1.111	1.070	0.951	1.020	1.028	1.033	0.976	0.896
K-1		1.205	1.098	1.072	1.032	1.071	1.061	1.071	1.058	1.077	1.082
1-2		1.082	1.055	0.976	1.046	1.020	1.005	0.992	0.968	0.997	1.005
2-3		1.038	1.053	1.061	1.055	1.073	1.045	1.028	1.008	1.041	1.021
3-4		1.046	1.050	1.016	0.992	1.042	1.027	1.019	1.005	1.022	1.000
4-5		1.060	1.034	1.035	1.039	1.033	1.030	1.026	0.961	1.002	1.000
5-6		0.589	0.583	1.019	1.034	1.030	1.013	1.024	1.023	1.068	1.034
6-7		2.875	2.895	1.797	1.023	1.051	1.027	1.024	1.007	1.020	1.033
7-8		0.998	0.998	0.634	0.995	0.995	0.991	1.014	0.982	1.007	0.978
8-9		0.628	0.673	0.677	1.032	1.028	1.039	1.004	0.998	1.008	1.021
9-10		1.007	0.985	0.993	0.995	1.012	0.991	1.002	1.007	0.991	1.016
10-11		0.954	0.961	0.980	1.002	0.958	0.986	1.044	0.976	0.996	1.007
11-12		0.951	0.965	1.008	1.011	0.966	0.995	1.002	0.958	0.971	0.980

BIRTHRATES

The municipal live birthrates for the district have averaged approximately 342 births over the past five years. It should be noted that the 2004 birthrate of 325 was the lowest rate for the past sixteen years. The trend patterns indicate that birthrates will continue to moderate in the municipalities of the district. The birthrates for 2010 through 2015 obviously are projected estimates by Pennsylvania Department of Education of impending rates. Keep in mind that not all individuals that are born within the boundaries of the school district attend Norwin schools. Table II-3 displays the district's birth data for 1995 through the estimated 2010.

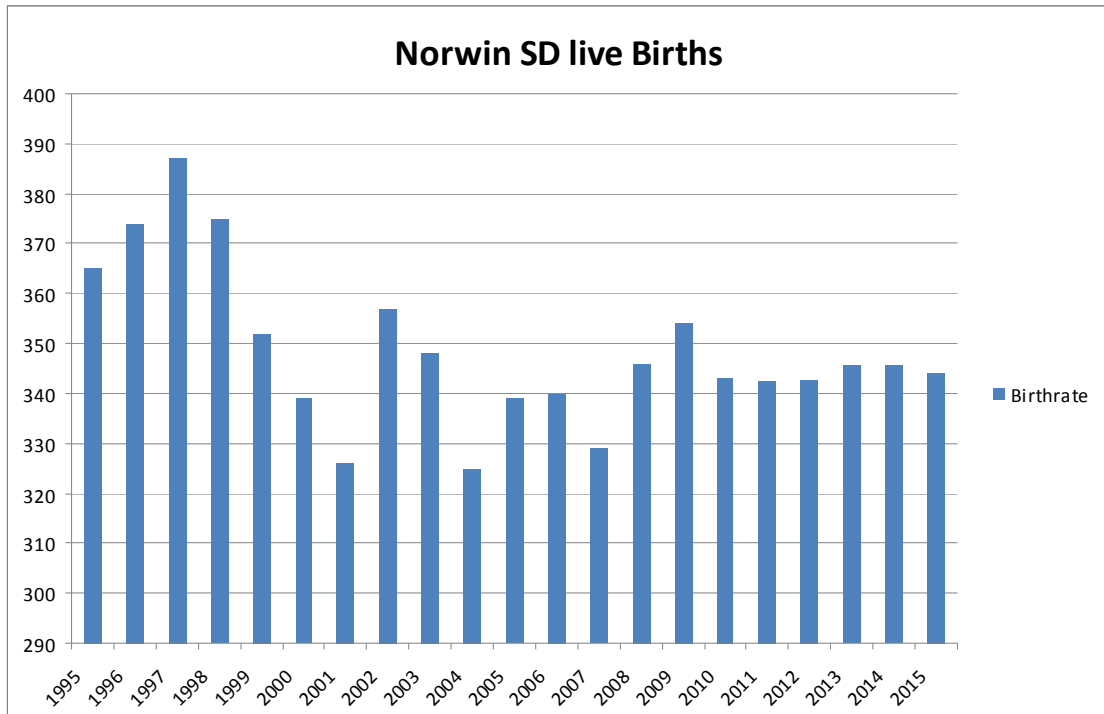
Table II-3
BIRTHRATES
Norwin School District 1995-2010

Year	Irwin Borough	North Irwin Township	North Huntingdon Township	TOTALS	Westmoreland County Totals
1995	70	7	288	365	3712
1996	78	4	292	374	3582
1997	107	6	274	387	3594
1998	86	7	282	375	3712
1999	66	11	275	352	3582
2000	48	9	282	339	3594
2001	68	10	248	326	3352
2002	55	11	291	357	3488
2003	55	5	288	348	3460
2004	46	7	272	325	3367
2005	59	7	273	339	3352
2006	59	13	268	340	3326
2007	45	9	275	329	3403
2008	59	13	274	346	3363
2009	63	12	279	354	3308
2010	62**	11**	270**	343**	?

*Commonwealth of Pennsylvania-Dept of Health Statistics
 **Estimated Birthrates

Figure II-2

LIVE BIRTHRATE 1995-2015



INGRAHAM DANCU ASSOCIATES ENROLLMENT PROJECTION MODELS

The Ingraham Dancu Associates (IDA) Model for Projecting Future School Enrollments (MPFSE) is a *process* that combines use of facets of standard enrollment projection techniques with insights gained by an experienced observer of economic and social characteristics and consequent residential developments in the 'community' for which the projections are prepared. The essential elements of the process are:

1. Obtaining an understanding of the standard measures of community growth/change and development, such as those items included in a regional development plan. Usually included are measures of size, census of population and potential growth, holding capacity of land, historical and projected population, employment opportunities and prognosis for continued economic development, roads and highways, public services and utilities, etc.
2. Obtaining and formatting historical birth and enrollment data in the proprietary IDA computer model, and obtaining preliminary printouts for analysis by the consultant team familiar with the demographic and economic characteristics of the community, as noted above. The initial input involves setup of data input equal to the number of school attendance units plus an overall countywide summary that can be drawn from the school-by-school entries as follows:
 - For individual school units, it is necessary to list enrollment by year and by grade for at least eleven years, or for as long as the school has operated within the past eleven years. Annotation of special circumstances may be required — such as grade level organization changes or changes in attendance area due to new school openings or other factors.
 - The summary of historical data is accumulated from the individual school units, as indicated above. Also included in the county wide summary is the demographic history of live births, as obtained from other State Agencies (a 15 year history of births is required for the development of proper historical ratios, and for the projection to primary grade enrollments for the coming five years).
 - Given the entry of data as listed above, the computerized printouts included, for each school unit and the countywide overview, seven pages of statistical information, as follows:

Page	Content of Preliminary Printout
1	Historical listing of enrollment by grade and year, including special education enrollments and grade level summaries. For histories showing live birth data, information about the last five years is contained in the table, but does not automatically printout.
2	(a) Listing of all ratios between births and grades Kindergarten & grade 1; (b) Yearly progression ratios between succeeding grades in succeeding years (standard procedure); and (c) multi-column summaries of the average ratios per each grade for the past 11 years, the past 5 years, the past 3 years, all years casting-out the high and low ratios, and showing the high and low ratios along with two statistical formulae for projection based on regression analyses.

3-7 Five different sets of preliminary projections (grade-by-grade, year-by-year for 10 years) that are developed automatically from the interaction of ratios.

- These *projections* provide baseline data using variations of the standard cohort survival technique of projecting school enrollments.
3. The projections are reviewed by the consultant team that then selects the set of projections most appropriate to their understanding of the circumstances extant in the community. Projections for individual school units are then aggregated into a countywide overview and compared, by grade and by year, to the five different projections separately developed for the county.

This *process* of combining a thorough analyses of community development with standardized statistical procedures has been developed and reshaped by the IDA staff while consulting with school systems across the Nation since 1962. Actual experience reflects the success of using these techniques that are based on the analysis by the consultant team and supplemented by local residents.

TOTAL DISTRICT ENROLLMENT PROJECTIONS

Using the information about historical trends derived from the year-by-year enrollment historical database, and by identifying the patterns of community change that has occurred, it is possible to anticipate future enrollment patterns for the Norwin School District. In order to determine future school enrollments for the district, the Consultants made several assumptions from the community demographic and historical school enrollment data that include the following:

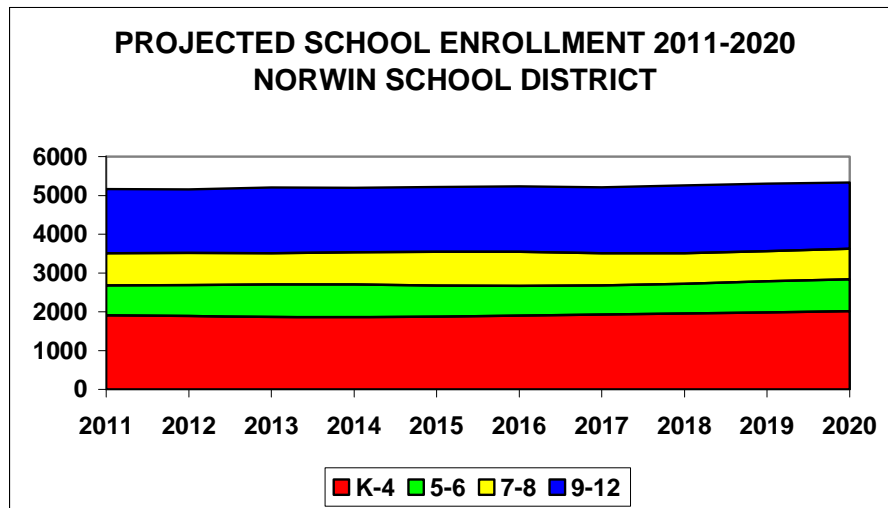
- Economic conditions that determine future general will continue in the near future at its current trend.
- The best indicators of projected enrollment are historical school enrollment age distribution of the general population.
- Since the nadir (lowest point) in historical school enrollments occurred in the current school, 2004-2005, student enrollments may continue a pattern of enrollment moderation.

Table II-4 and Figure II-3 reflect the year-by-year and grade-by-grade distribution of district-wide enrollment projections. A Pennsylvania Department of Education requirement insists that all developers of enrollment projections for PA school districts utilize a Birth to Kindergarten models of projection utilizing a cohort survival model. If other projection models are utilized by a school district, additional justification must be provided. In the recent past, IDA has provided additional data to support our projection model and that information has been accepted as a legitimate methodology for projecting enrollment. The projected school enrollment data is an optimistic view of the future and reflects enrollment levels for the next ten years.

Table II-4
IDA PROJECTED SCHOOL ENROLLMENTS
Norwin School District, 2011-2020

GRADES	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
K	347	351	356	361	366	371	376	382	387	393
1	366	371	376	381	386	392	397	403	408	414
2	402	373	378	383	388	393	398	404	409	415
3	407	402	372	377	383	388	393	399	404	410
4	393	409	403	372	377	382	387	393	398	404
5	384	399	426	413	373	374	362	392	399	407
6	388	396	412	440	427	385	386	374	404	412
7	430	397	405	421	450	436	394	395	382	413
8	403	428	395	403	419	448	434	392	393	380
9	409	415	441	406	414	432	461	447	403	404
10	436	409	415	441	407	415	432	461	447	404
11	394	436	410	416	442	408	416	433	462	448
12	417	386	428	402	408	434	400	408	425	453
TOTAL	5175	5173	5217	5217	5239	5256	5236	5280	5323	5358
GRADES	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
K-4	1915	1906	1885	1874	1899	1926	1952	1980	2008	2036
5-6	772	795	839	853	800	759	748	765	804	819
7-8	833	825	800	824	869	884	827	786	775	793
9-12	1655	1646	1694	1666	1671	1688	1708	1748	1737	1709
TOTAL	5175	5173	5217	5217	5239	5256	5236	5280	5323	5358

Figure II-3
DISTRICT ENROLLMENT PROJECTIONS
Norwin School District 2011-2020



IDA INDIVIDUAL SCHOOL PROJECTED SCHOOL ENROLLMENTS

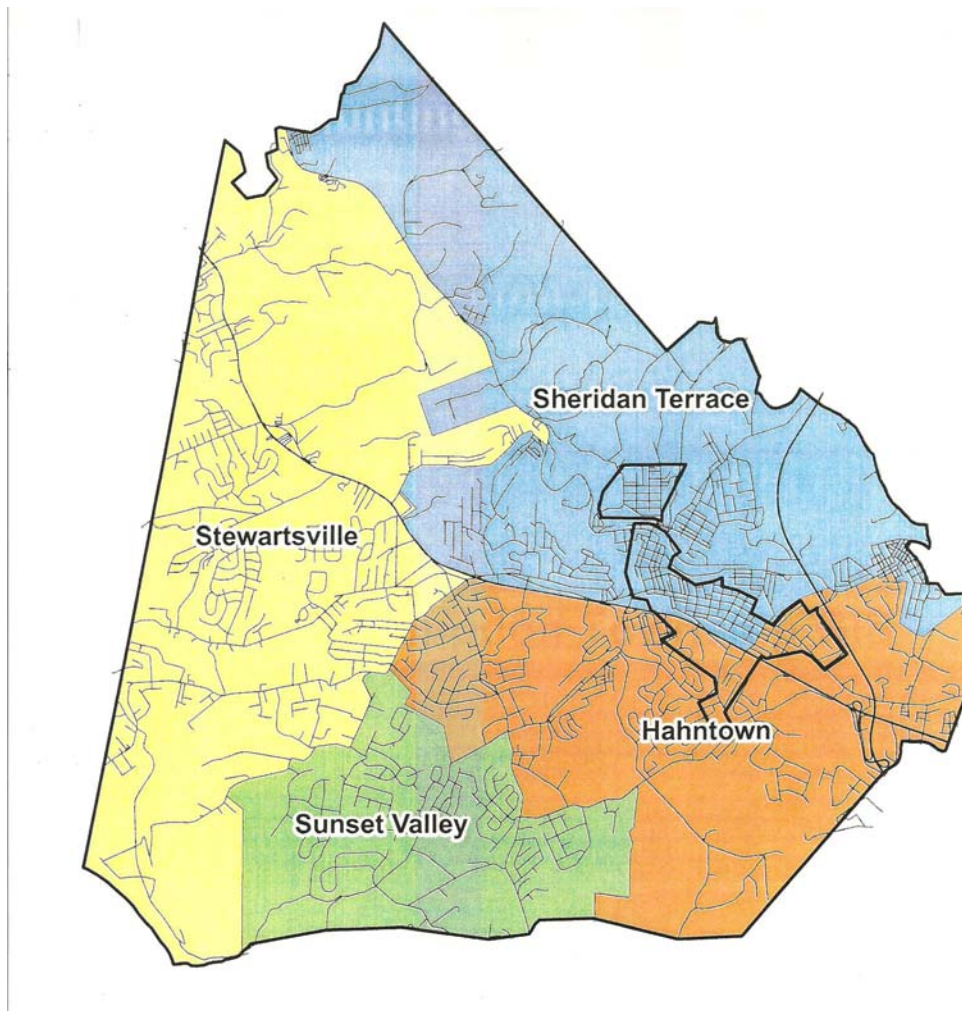
Over the past ten years, the district has made significant adjustment to the utilization of facilities and redesigning attendance areas. In the early 2000s, the following changes were made:

- Hartford Heights K-3 Students were shifted to Sheridan Terrace in 2003-2004
- PA Avenue K-3 students in 200-2003 shifted to Sheridan Terrace in 2003-2004
- Hillcrest Elementary K-3 students in 2001-2002 shifted to Sunset Valley in 2002-2003
- Shaw students in 2001-2002 shifted to PA Avenue in 2002-2003 and then to Sheridan Terrace in 2003-2004

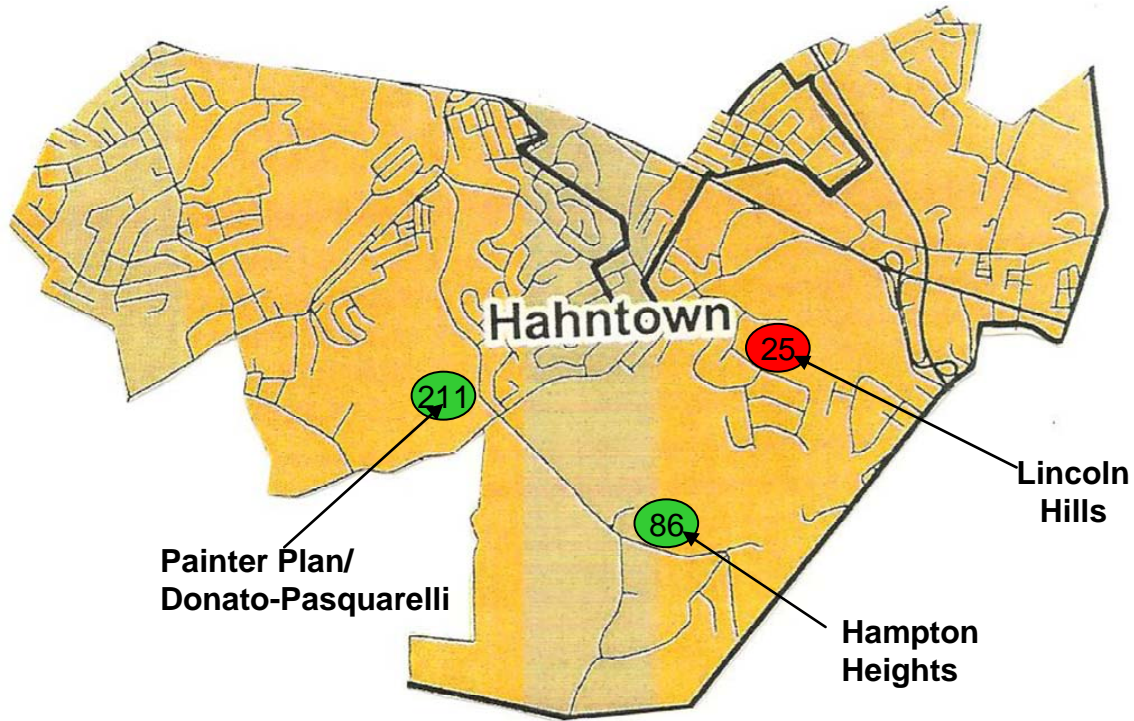
The IDA enrollment projection models took all changes into consideration when developing individual elementary school projections.

Note: All maps in this report are not to scale

**Figure II-3
ELEMENTARY SCHOOL ATTENDANCE AREAS**



HAHTOWN ELEMENTARY
Attendance Area and Potential Residential Developments



LEGEND

● → Existing Residential Developments-Permits Approved

● → Residential Developments- Not Permitted

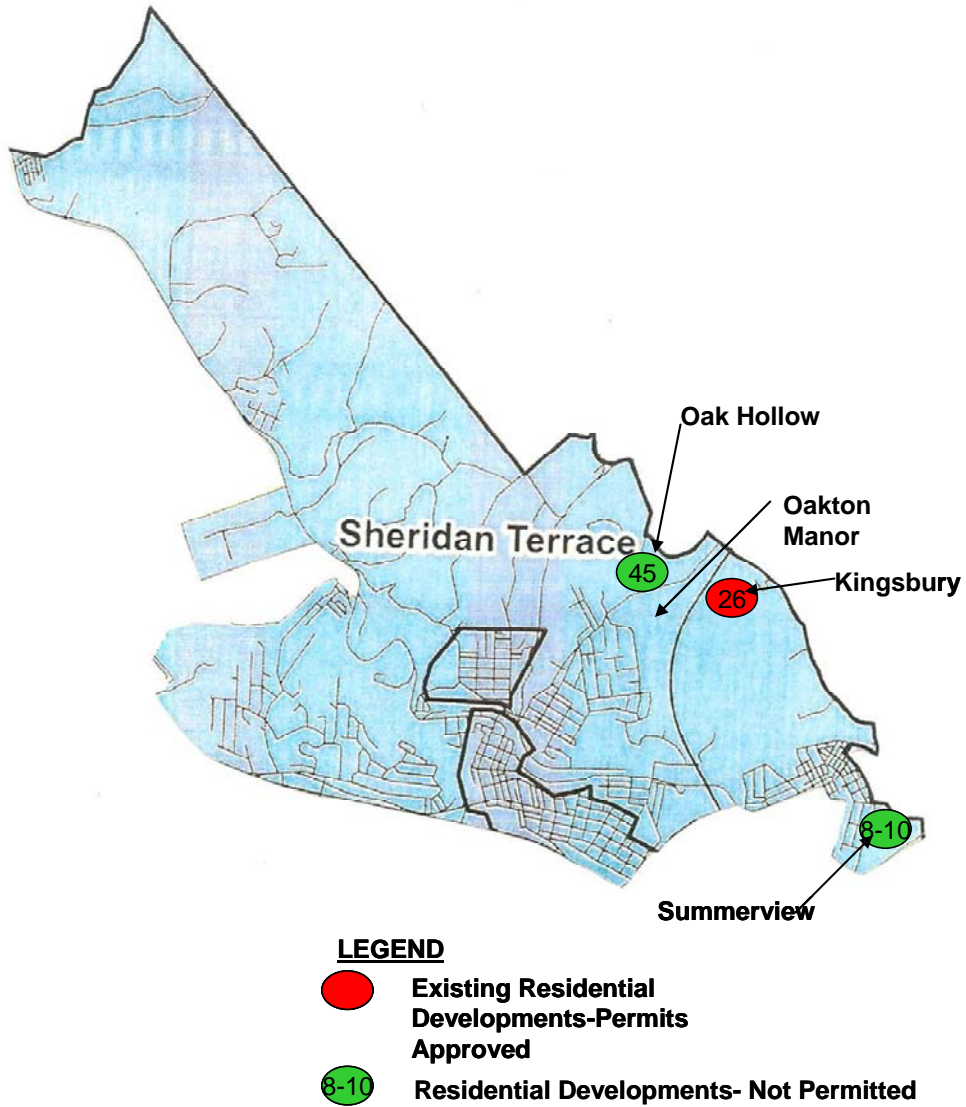
Hahntown ES Historical Enrollment

GRADES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
K	57	77	64	91	89	72	95	99	104	98	88
1	87	70	88	73	92	90	80	95	96	108	105
2	110	85	71	87	86	85	97	80	101	92	114
3	99	102	90	93	92	89	104	100	81	108	102
4	105	96	101	86	83	90	109	107	107	83	108
TOTAL	458	430	414	430	442	426	485	481	489	489	517

Hahntown ES Projected Enrollment

SCHOOL	HAHNTOWN ELEMENTARY									
GRADES	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
K	99	100	102	103	105	107	108	110	112	114
1	103	104	106	108	110	111	113	115	117	119
2	114	112	114	116	117	119	121	123	125	127
3	122	122	119	121	123	125	127	129	131	134
4	97	115	116	113	115	117	119	121	123	125
TOTAL	534	554	557	561	570	580	589	598	608	618

SHERIDAN TERRACE ELEMENTARY Attendance Area and Potential Residential Developments



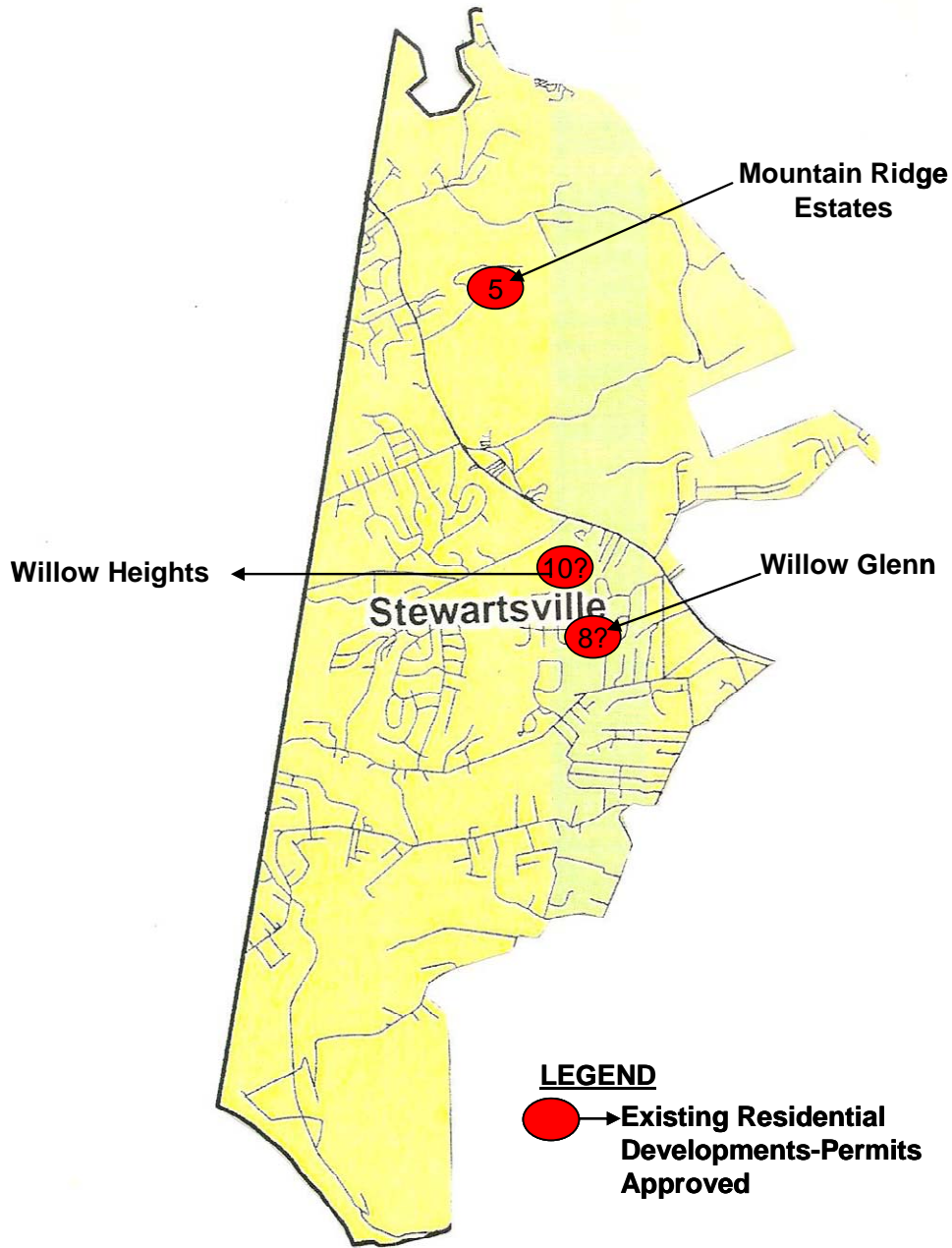
Sheridan Terrace ES Historical Enrollment

GRADES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
K	33	13		91	82	81	74	93	82	86	91
1	22	0		73	77	88	94	85	104	89	95
2	21	25		87	78	80	102	91	86	102	82
3	30	24		93	92	77	95	107	89	92	101
4	16	37		86	95	94	85	95	103	95	88
TOTAL	122	99	0	430	424	420	450	471	464	464	457

Sheridan Terrace ES Projected Enrollment

GRADES	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
K	91	90	90	90	89	89	89	88	88	88
1	99	99	98	98	98	97	97	97	96	96
2	97	101	101	100	100	99	99	99	98	98
3	77	91	95	95	94	94	94	93	93	93
4	98	75	89	93	92	92	92	91	91	91
TOTAL	462	456	473	475	474	472	470	468	466	465

STEWARTSVILLE ELEMENTARY
Attendance Area and Potential Residential Developments



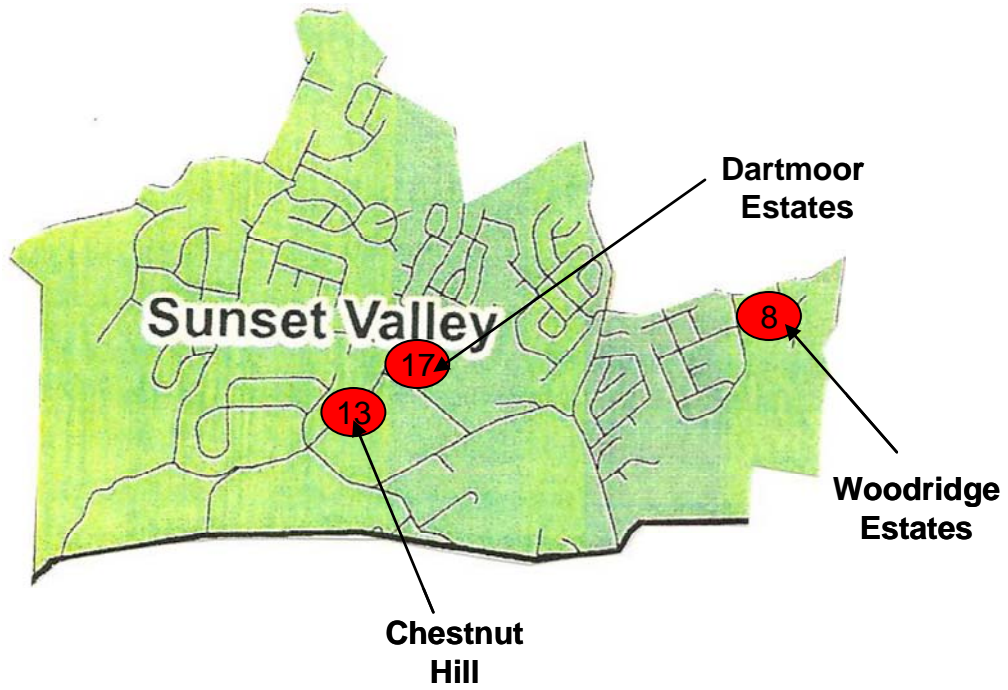
Stewartsville ES Historical Enrollment

GRADES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
K	70	65	58	66	91	93	95	96	110	104	84
1	81	88	89	87	79	92	96	105	107	114	106
2	75	90	86	95	87	76	93	94	90	107	116
3	87	82	95	84	102	98	81	90	100	91	102
4	99	90	96	104	84	106	95	82	93	98	95
TOTAL	412	415	424	436	443	465	460	467	500	514	503

Stewartsville ES Projected Enrollment

SCHOOL STEWARTSVILLE ELEMENTARY										
GRADES	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
K	86	88	90	92	94	97	99	101	103	106
1	90	92	94	97	99	101	104	106	108	111
2	106	91	93	95	97	99	102	104	106	109
3	117	107	91	94	96	98	100	103	105	107
4	111	128	117	100	102	104	107	109	112	115
TOTAL	511	506	486	477	488	499	511	523	535	548

SUNSET VALLEY ELEMENTARY
Attendance Area and Potential Residential Developments



LEGEND

 Existing Residential Developments-Permits Approved

Sunset Valley ES Historical Enrollment

GRADES	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
K			105	93	103	101	90	76	80	79	66
1			98	96	104	121	98	94	78	94	91
2			90	93	93	118	101	100	90	83	95
3			100	98	96	105	95	107	98	91	87
4			79	107	103	108	90	98	103	100	91
TOTAL	0	0	472	487	499	553	474	475	449	447	430

Sunset Valley ES Projected Enrollment

GRADES	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
K	71	73	74	76	77	79	80	82	84	85
1	74	76	77	79	80	82	84	85	87	89
2	85	69	71	72	73	75	76	78	79	81
3	91	81	66	68	69	70	72	73	75	76
4	87	91	81	66	67	69	70	71	73	74
TOTAL	408	390	369	360	367	375	382	390	398	406

PDE ENROLLMENT PROJECTIONS

The Pennsylvania Department of Education completed an enrollment projection for the NSD in July 2010. Table II-6 profiles the PDE resultant Birth to Kindergarten grade level groupings of enrollment projections. A complete listing of PDE enrollment projections appears in Appendix B of this report.

Table II-6
PDE ENROLLMENT PROJECTIONS
Norwin School District

	2011	2015	2019
K-4	1927	1982	2162
5-6	783	795	863
7-8	824	870	828
9-12	1640	1640	1697
TOTALS	5174	5287	5550

NON-PUBLIC/DISTRICT SCHOOL ENROLLMENT

Enrollment in non-public schools and in other near-by public school districts by NSD residents has some impact on current and future enrollment at NSD. The district data indicates that an average of approximately four percent of the total student pool of resident students do not attend the Norwin schools.

Table II-7

PRIVATE AND OTHER PUBLIC SCHOOL STUDENTS
Norwin School District Residents

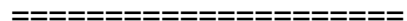
GRADE	ENROLLMENT 2010-2011	PRIVATE/PAROCIAL/OTHERS (includes Home Schooled)	PERCENT OF RESIDENT STUDENTS
K-4	1907	129	6.765
5	376	13	3.457
6	421	16	3.800
7	405	10	2.469
8	397	13	3.275
9	435	17	3.908
10	393	16	4.071
11	425	20	4.706
12	440	17	3.864
TOTALS	5199	251	4.828

SUMMARY

The data presented and analyzed in this chapter indicates that the Norwin School District will experience some total moderation of student enrollment at some schools and slight overall increases in total district enrollment over the next decade. The enrollment projections are supported by the Consultant's assumption regarding demographic and economic conditions of Norwin area in general.

**NORWIN SCHOOL DISTRICT
DEMOGRAPHIC AND ENROLLMENT STUDY
2011**

APPENDIX



APPENDIX A

NORTH HUNTINGDON TOWNSHIP DEVELOPMENT DATA July 2010

Residential Developments				
<u>Development</u>	<u>Buildable Lots</u>	<u>Permits Issued</u>	<u>Year Approved</u>	<u>Elementary School</u>
Atwood Estates	14	3	2006	Sunset Valley
Bella Mia	53	46	2000	Sunset Valley
Chestnut Hill	82	13	2007	Sunset Valley
Dartmoor Estates I	45	41	2004	Sunset Valley
Dartmoor Estates II	50	17	2006	Sunset Valley
Falcon Ridge I	54	54	1995	Sunset Valley
Falcon Ridge II	40	40	1997	Sunset Valley
Falcon Ridge III	54	54	1998	Sunset Valley
Franklin Farms I	23	23	2003	Sunset Valley
Franklin Farms II	19	19	2004	Sunset Valley
Franklin Farms III	32	32	2004	Sunset Valley
Franklin Farms IV	43	43	2005	Sunset Valley
Grandview Commons	8	3	2006	Sheridan Terrace
Kerber Farm Estates I	68	68	2002	Sunset Valley
Kerber Farm Estates II	50	50	2004	Sunset Valley
Kerber Farm Estates III	39	37	2006	Sunset Valley
Knights Landing I	56	56	2001	Sunset Valley
Knights Landing II	76	76	2002	Sunset Valley
Legends I	18	16	1995	Hahntown
Legends II	17	16	1996	Hahntown
Legends III	27	5	2004	Hahntown
Lincoln Hills I	39	39	2005	Hahntown
Lincoln Hills II	76	70	2005	Hahntown
Lincoln Hills III	57	53	2006	Hahntown
Lincoln Hills IV	48	37	2007	Hahntown
Lincoln Hills V	45	7	2009	Hahntown
Lincoln Hills VI	59	21	2009	Hahntown
Lincoln Hills VII	29	0	2010	Hahntown
Mountain Ridge Estates	46	5	2005	Stewartsville
Oakton Manor I	28	28	1994	Sheridan Terrace
Oakton Manor II	44	31	2005	Sheridan Terrace
St. Georges Acres I	22	3	2004	Stewartsville
Summerview (Walthour)	11	4	2005	Sheridan Terrace
Victoria Heights I	23	23	1993	Hahntown
Victoria Heights II	24	24	1994	Hahntown
Victoria Heights III	18	18	1995	Hahntown
Victoria Heights IV	18	18	1996	Hahntown
Victoria Heights West	37	36	1997	Hahntown
Villa Portifino	6	2	2005	Hahntown
Willow Glenn I	66	51	1997	Stewartsville
Willow Glenn II	42	40	1999	Stewartsville
Willow Glenn III	82	75	2000	Stewartsville
Willow Heights	30	28	2004	Stewartsville
Willow Estates I	53	8	2007	Stewartsville
Willow Estates II	66	0	2010	Stewartsville
Woodridge Estates I	23	8	2006	Sunset Valley
Total	1860	1341		

Enrollment Projections
 Prepared by the Pennsylvania Department of Education
 (717) 787-2644

YEAR	Norwin SD							1-07-65-650-2						Total
	K	1	2	3	4	5	6	7	8	9	10	11	12	
2005-2006	347	391	358	367	397	379	412	450	438	434	420	415	393	5201
2006-2007	354	368	394	372	378	412	383	421	446	455	430	414	413	5240
2007-2008	364	379	365	403	381	390	421	391	427	448	456	449	415	5289
2008-2009	376	385	367	368	406	367	398	423	384	426	451	445	430	5226
2009-2010	367	405	384	382	376	407	392	406	426	387	422	449	432	5235
P R O J E C T I O N S														
2010-2011	367	366	401	395	390	379	419	399	405	431	386	422	441	5201
2011-2012	368	381	363	412	403	393	390	426	398	410	430	386	414	5174
2012-2013	356	383	378	373	421	407	405	397	425	403	409	430	379	5166
2013-2014	385	370	380	388	381	425	419	412	396	430	402	409	422	5219
2014-2015	393	401	367	391	396	384	438	426	411	401	429	402	401	5240
2015-2016	400	408	398	377	399	399	396	445	425	416	400	429	395	5287
2016-2017	408	416	404	409	385	403	411	403	444	430	415	400	421	5349
2017-2018	415	424	412	415	418	388	415	418	402	449	429	415	393	5393
2018-2019	423	432	420	423	424	422	400	422	417	407	448	429	407	5474
2019-2020	430	440	428	432	432	428	435	407	421	422	406	448	421	5550

Various Grade Groupings of the Enrollment Projections

YEAR	K-4	K-5	K-6	K-7	K-8	K-9	K-12	5-8	6-8	7-8	6-9	7-9	7-12	8-12	9-12	10-12
2009-2010	1914	2321	2713	3119	3545	3932	5235	1631	1224	832	1611	1219	2522	2116	1690	1303
2014-2015	1948	2332	2770	3196	3607	4008	5240	1659	1275	837	1676	1238	2470	2044	1633	1232
2019-2020	2162	2590	3025	3432	3853	4275	5550	1691	1263	828	1685	1250	2525	2118	1697	1275
2009-2010 to 2019-2020																
Change	248	269	312	313	308	343	315	60	39	-4	74	31	3	2	7	-28
Percent	13.0	11.6	11.5	10.0	8.7	8.7	6.0	3.7	3.2	-0.5	4.6	2.5	0.1	0.1	0.4	-2.1

- Notes:
1. Excludes students in full-time out-of-district special education, comprehensive AVTSs, charter schools, state-owned schools, consortium-operated alternative high schools, and juvenile correctional institutions.
 2. Enrollment projections beyond five years are subject to errors in the lower grades resulting from inconsistencies between actual and projected live births and should be reviewed closely.
 3. Four year old kindergarten students, if any, added to K enrollments.
 4. Elementary and secondary ungraded students were distributed among the grades. Therefore, enrollments by grade may differ from those reported by the local education agencies.
- Sources:
1. Public School Enrollment Report (ESPE) and Pennsylvania Information Management System (PIMS)
 2. Resident Live Birth file, 2008, supplied by the Division of Health Statistics, Pennsylvania Department of Health. The Department of Health specifically disclaims responsibility for any analyses, interpretations or conclusions.

Norwin SD

1-07-65-650-2

Retention Rates by Grade by Year

	Birth to K	Birth to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12
2005-2006 to 2006-2007	1.09598	1.08555	1.00767	1.03911	1.02997	1.03778	1.01055	1.02184	0.99111	1.03881	0.99078	0.98571	0.99518
2006-2007 to 2007-2008	1.01961	1.17337	0.99185	1.02284	1.02419	1.03175	1.02184	1.02089	1.01425	1.00448	1.00220	1.04419	1.00242
2007-2008 to 2008-2009	1.08046	1.07843	0.96834	1.00822	1.00744	0.96325	1.02051	1.00475	0.98210	0.99766	1.00670	0.97588	0.95768
2008-2009 to 2009-2010	1.12923	1.16379	0.99740	1.04087	1.02174	1.00246	1.06812	1.02010	1.00709	1.00781	0.99061	0.99557	0.97079

Rates Used in Projection Enrollments

1.08132	1.12528	0.99131	1.02776	1.02083	1.00881	1.03025	1.01689	0.99863	1.01218	0.99757	1.00033	0.98151
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Average Retention Rates for All Years

1.08132	1.12528	0.99131	1.02776	1.02083	1.00881	1.03025	1.01689	0.99863	1.01218	0.99757	1.00033	0.98151
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Year	Births	Year	Births	Year	Births	Year	Births	Year	Births
2000	339	2001	323	2002	357	2003	348	2004	325
2005	339	2006	340	2007	329	2008	356	2009	363
2010	370	2011	377	2012	384	2013	391	2014	398