COOPERATIVE STRATEGIES

COMPLETE FINANCIAL & DEMOGRAPHIC PLANNING FOR EDUCATION

PALOS VERDES PENINSULA UNIFIED SCHOOL DISTRICT

ENROLLMENT ANALYSIS

JANUARY 9, 2017

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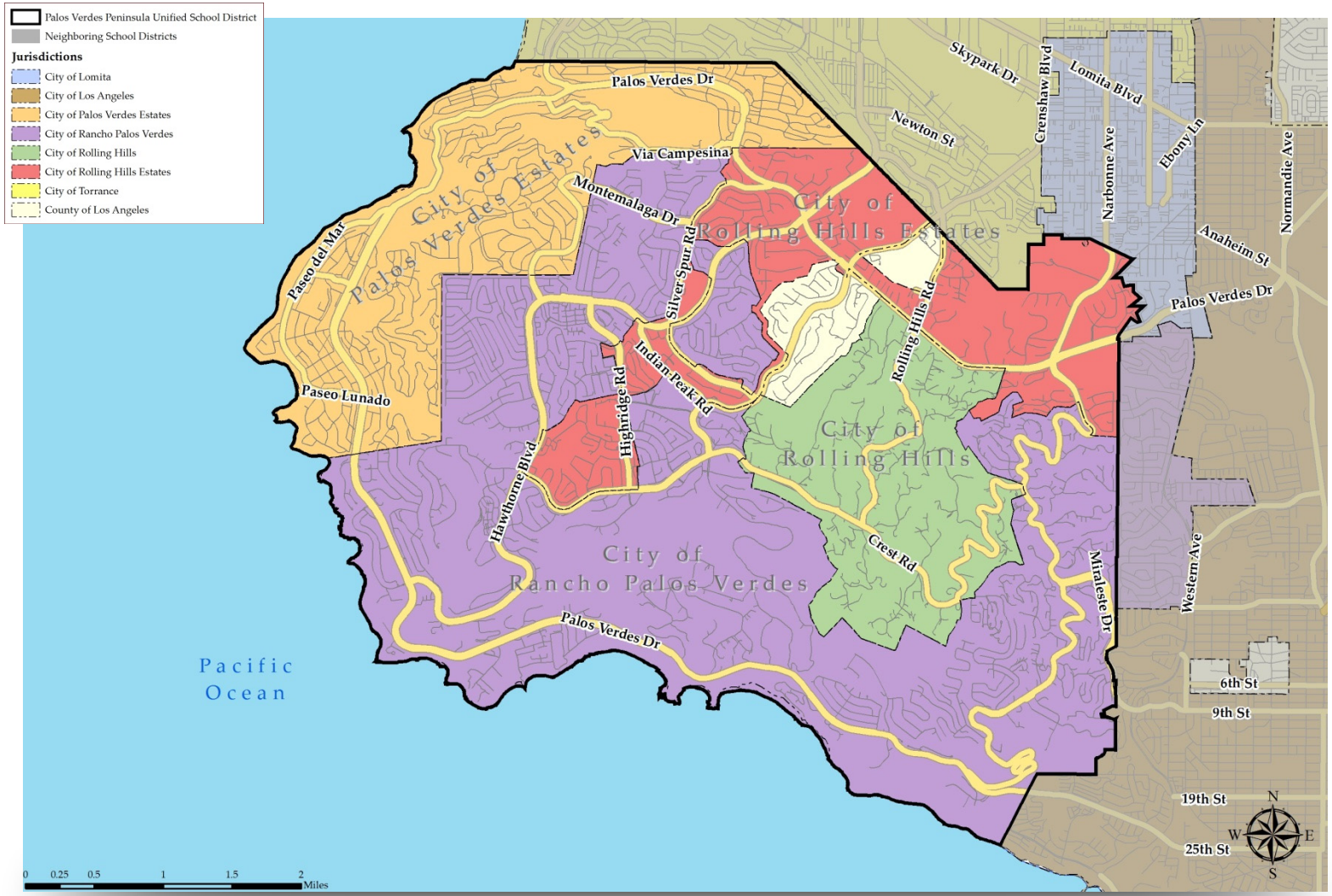
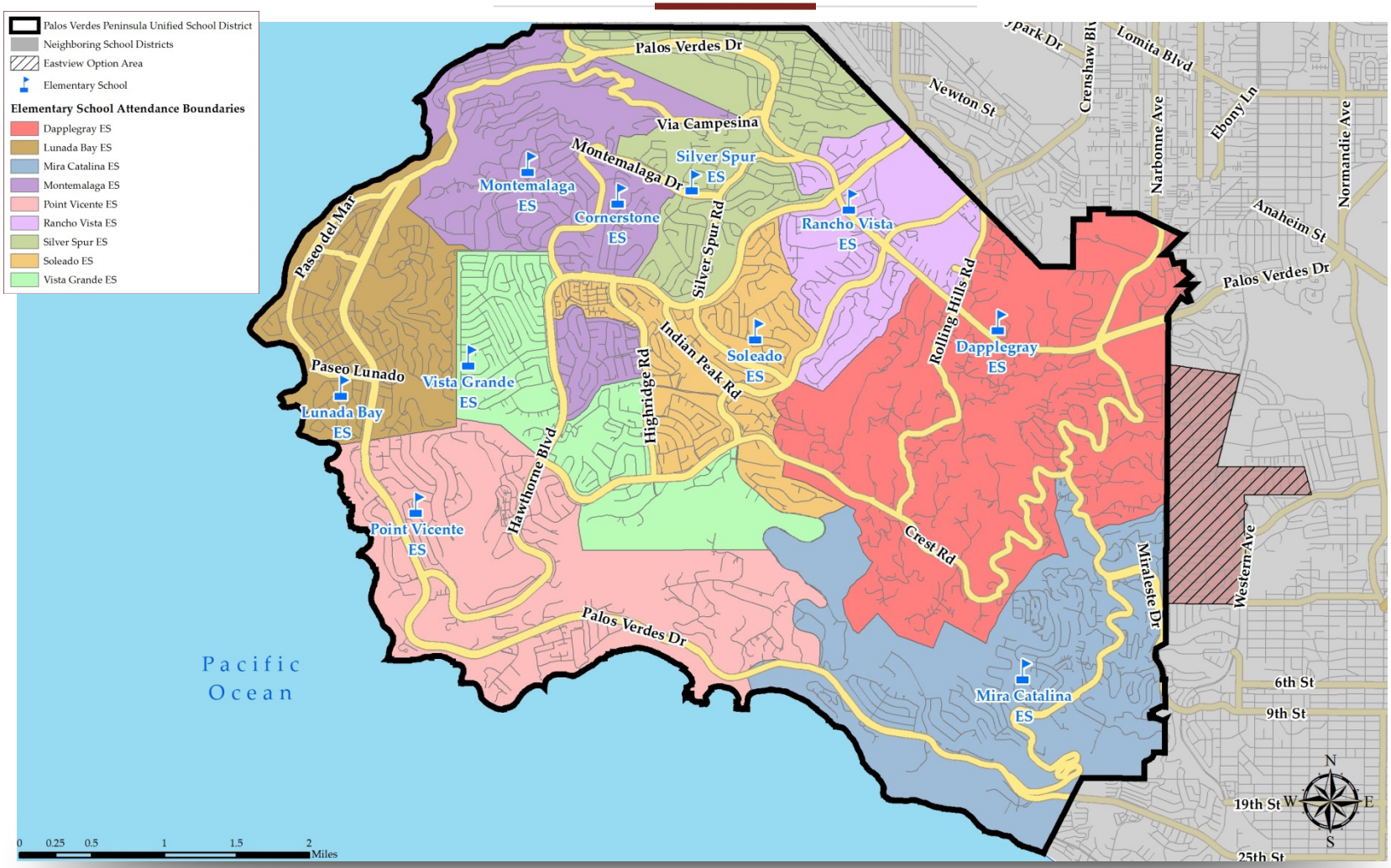
INTRODUCTION

GEOGRAPHIC PROFILE



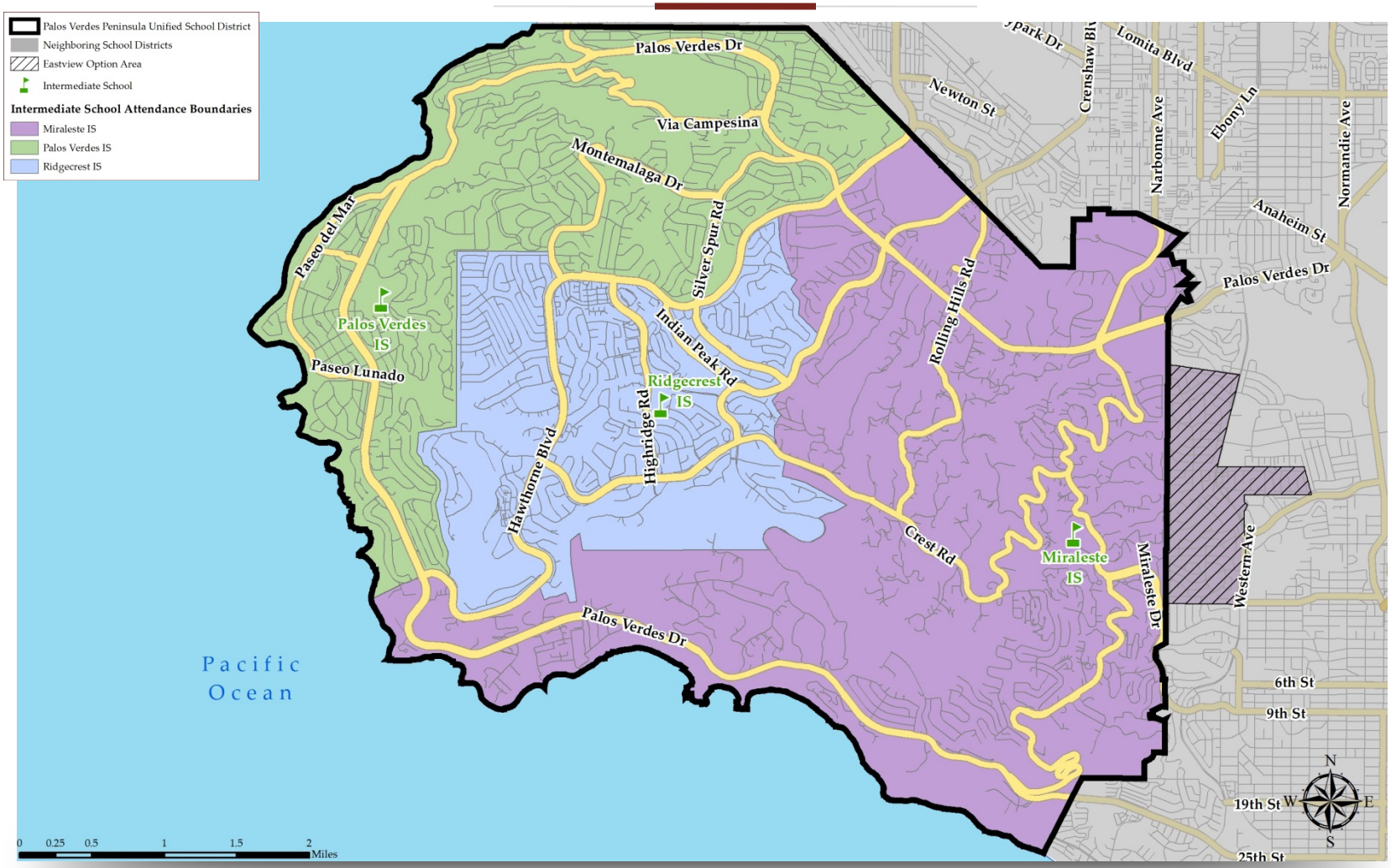
ATTENDANCE BOUNDARIES

ELEMENTARY SCHOOLS



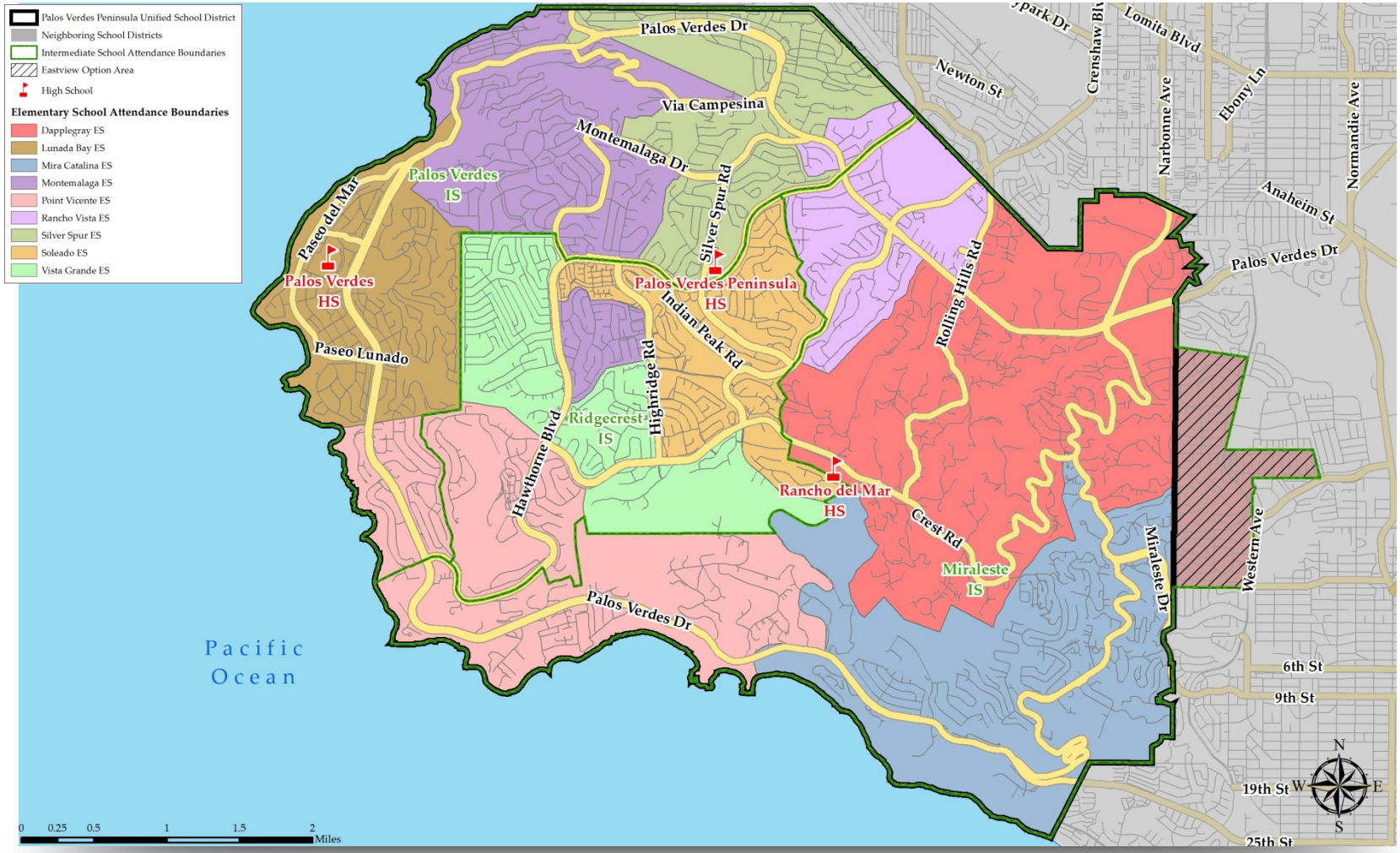
ATTENDANCE BOUNDARIES

INTERMEDIATE SCHOOLS



ATTENDANCE BOUNDARIES

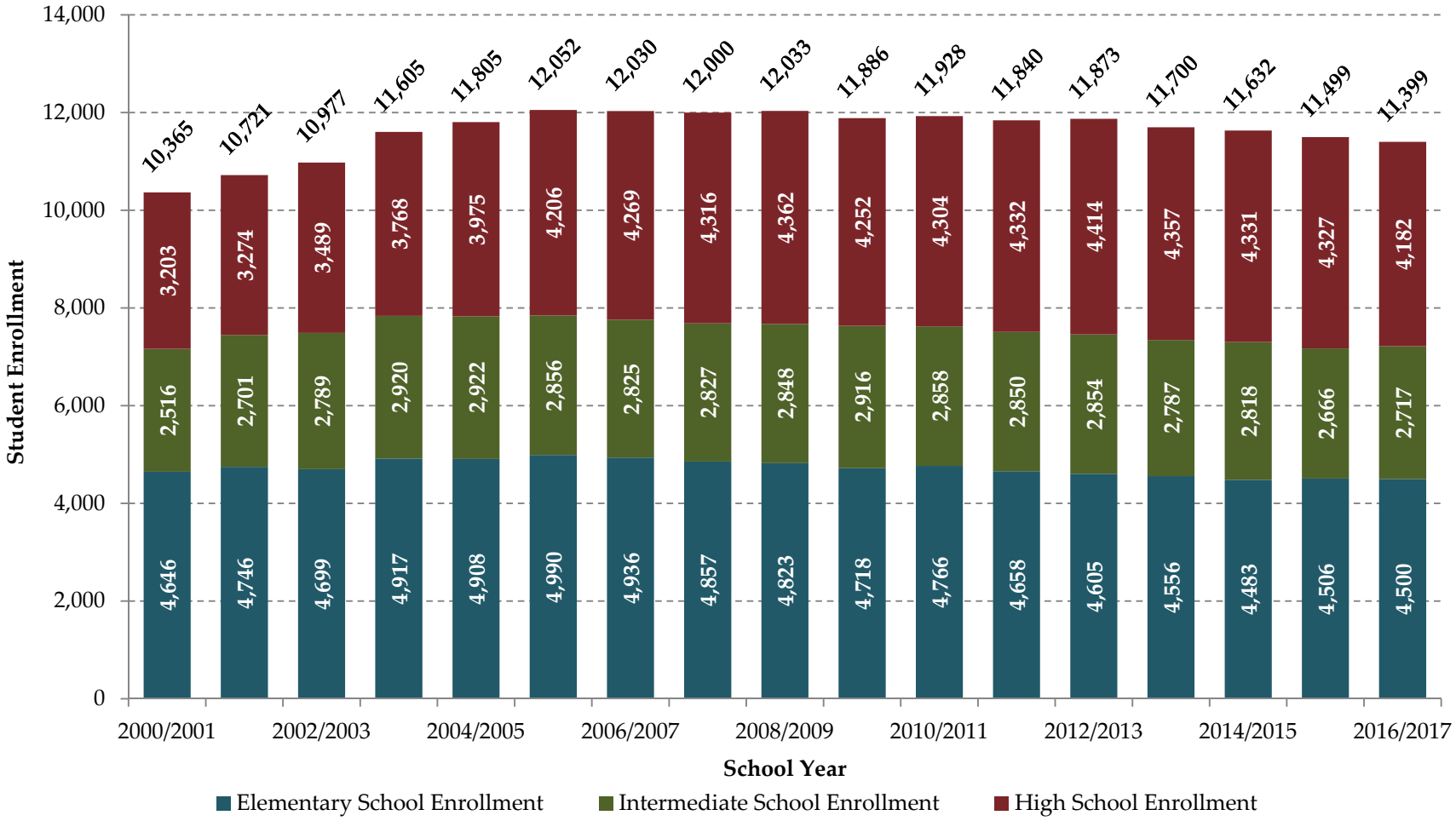
HIGH SCHOOLS



OVERVIEW OF HISTORICAL ENROLLMENT

HISTORICAL ENROLLMENT

OVERVIEW BY SCHOOL LEVEL[1]



[1] School year 2016/2017 enrollment is based on data provided by the School District. All other years are based on information from the California Department of Education ("CDE").

HISTORICAL ENROLLMENT OVERVIEW

INTER-DISTRICT TRANSFER ("IDT") TRENDS[1]

Item	2013/2014	2014/2015	2015/2016	2016/2017
Long Beach USD	9	20	19	19
Los Angeles USD[2]	418	454	472	496
Redondo Beach USD	25	23	23	25
Torrance USD	94	110	124	116
Other School Districts	22	22	29	23
Military Students[3]	N/A	N/A	N/A	47
Total IDTs	**568**	**629**	**667**	**726**
Total Enrollment	**11,700**	**11,632**	**11,499**	**11,399**
Percentage	**4.85%**	**5.41%**	**5.80%**	**6.37%**

[1] Total IDT information is based on data provided by the School District.
[2] Inter-District Transfers that reside within the Eastview Option Area of Los Angeles USD are not included within the IDT counts.
[3] Military Students are students attending the School District with parents serving in the Military. The School District has a total of 72 Military Students in school year 2016/2017. Of which, 20 reside within the School District's attendance boundaries, 5 reside within the Eastview Option Area, and 47 reside within Los Angeles USD.

ELEMENTARY SCHOOLS OVERVIEW

INTRA-DISTRICT TRANSFER TRENDS SCHOOL YEAR 2016/2017[1]

School of Residence	School of Attendance										
	Dapplegray ES	Lunada Bay ES	Mira Catalina ES	Montemalaga ES	Point Vicente ES	Rancho Vista ES	Silver Spur ES	Soleado ES	Vista Grande ES	Cornerstone ES	Total
Dapplegray ES	219		11	5		25	7		1	28	296
Eastview Option Area	317	3	32	1		43			1	9	406
Lunada Bay ES	2	297		8	15	3	2	4		32	363
Mira Catalina ES	12	4	278	1	5	15	4	2		26	347
Montemalaga ES		8		395	2	8	10	8	8	57	496
Point Vicente ES		19	5	8	280	6	3	2	11	42	376
Rancho Vista ES	5			4	1	198	5	1		11	225
Silver Spur ES	2	7		14	3	40	478	8	2	29	583
Soleado ES	2	3		21	7	35	14	393	75	90	640
Vista Grande ES	3	6		17	6	27	4	14	324	56	457
IDT	52	26	47	14	25	56	14	44	21	8	307
Unknown[2]			2		2						4
Total	**614**	**373**	**375**	**488**	**346**	**456**	**541**	**476**	**443**	**388**	**4,500**

[1] 2016/2017 Intra-District Transfer trends are based on student information provided by the School District as of the September 20, 2016 student count.
[2] Due to incomplete address information, Cooperative Strategies was unable to determine the home attendance boundary for select students.

INTERMEDIATE SCHOOLS OVERVIEW

INTRA-DISTRICT TRANSFER TRENDS SCHOOL YEAR 2016/2017[1]

School of Residence	School of Attendance			
	Miraleste IS	Palos Verdes IS	Ridgecrest IS	Total
Eastview Option Area	237	5	1	243
Miraleste IS	507	65	49	621
Palos Verdes IS	14	777	125	916
Ridgecrest IS	9	50	714	773
IDT	124	18	22	164
Total	**891**	**915**	**911**	**2,717**

[1] 2016/2017 Intra-District Transfer Trends are based on student information provided by the School District as of the September 20, 2016 student count.

HIGH SCHOOL OVERVIEW

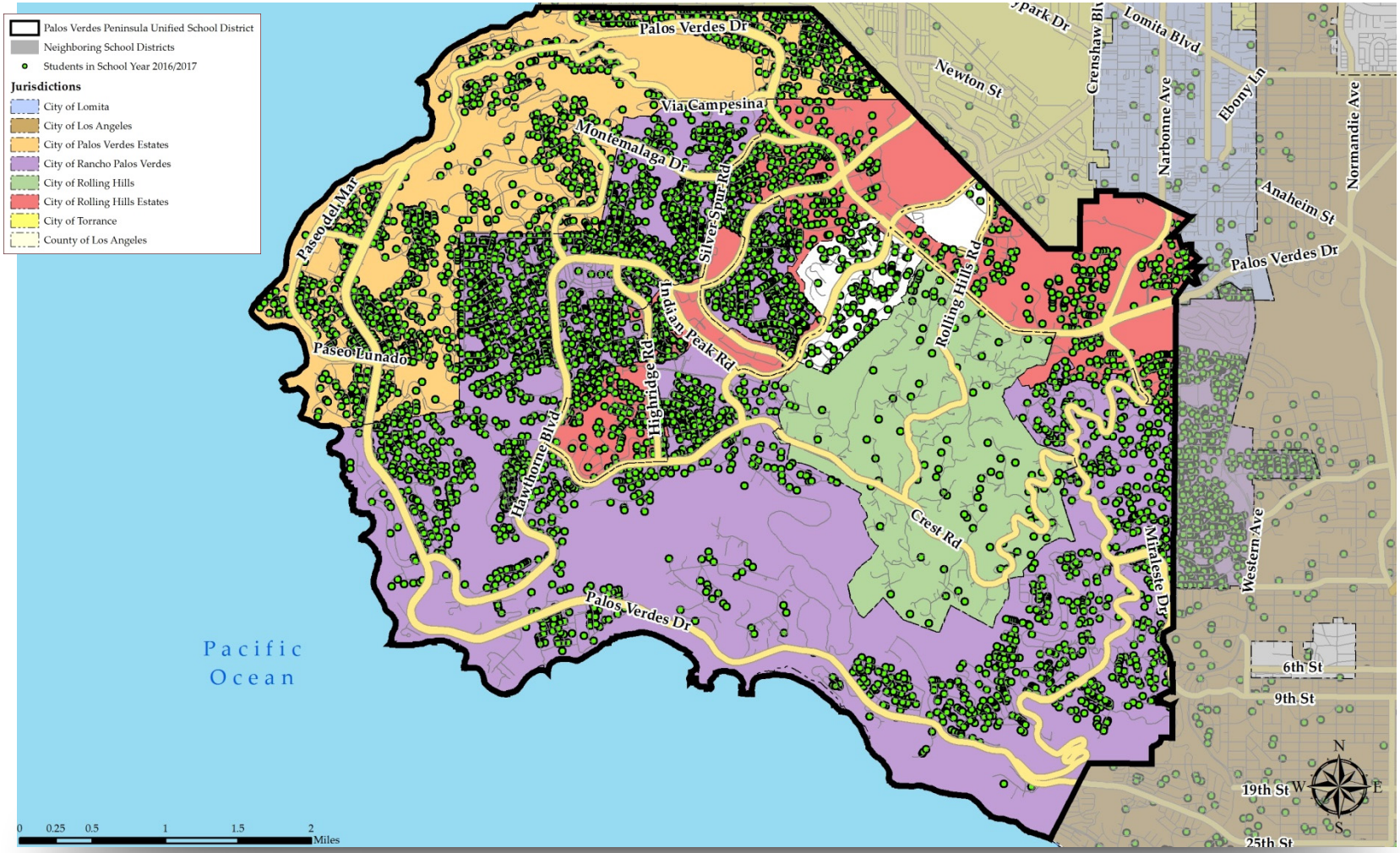
INTRA-DISTRICT TRANSFER TRENDS SCHOOL YEAR 2016/2017[1]

School of Residence	School of Attendance			
	Palos Verdes HS	Palos Verdes Peninsula HS	Rancho Del Mar HS	Total
Eastview Option Area	130	209	9	348
Palos Verdes HS/ Palos Verdes Peninsula HS	1,458	2,066	53	3,577
IDT	96	147	12	255
Unknown	1	1		2
Total	**1,685**	**2,423**	**74**	**4,182**

[1] 2016/2017 Intra-District Transfer Trends are based on student information provided by the School District as of the September 20, 2016 student count.

ATTENDANCE BOUNDARIES

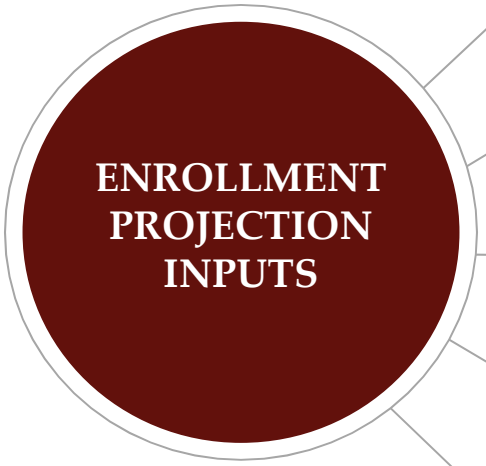
STUDENT RESIDENCE TRENDS



INPUTS & METHODOLOGY

ENROLLMENT PROJECTIONS

INPUTS



EXISTING ENROLLMENT
2016/2017 student enrollment as provided by the School District.

COHORT SURVIVAL FACTORS
The likelihood of a student progressing from one grade level to the next.

BIRTH RATES
Historic and projected number of births within the School District and County of Los Angeles are used to project the incoming kindergarten enrollment from existing residential units.

STUDENT GENERATION FACTORS
The average number of students generated by each house within the School District, which are used to project enrollment from future residential units.

RESIDENTIAL DEVELOPMENT
Information on future residential projects was obtained from cities served by the School District.

INPUTS & METHODOLOGY

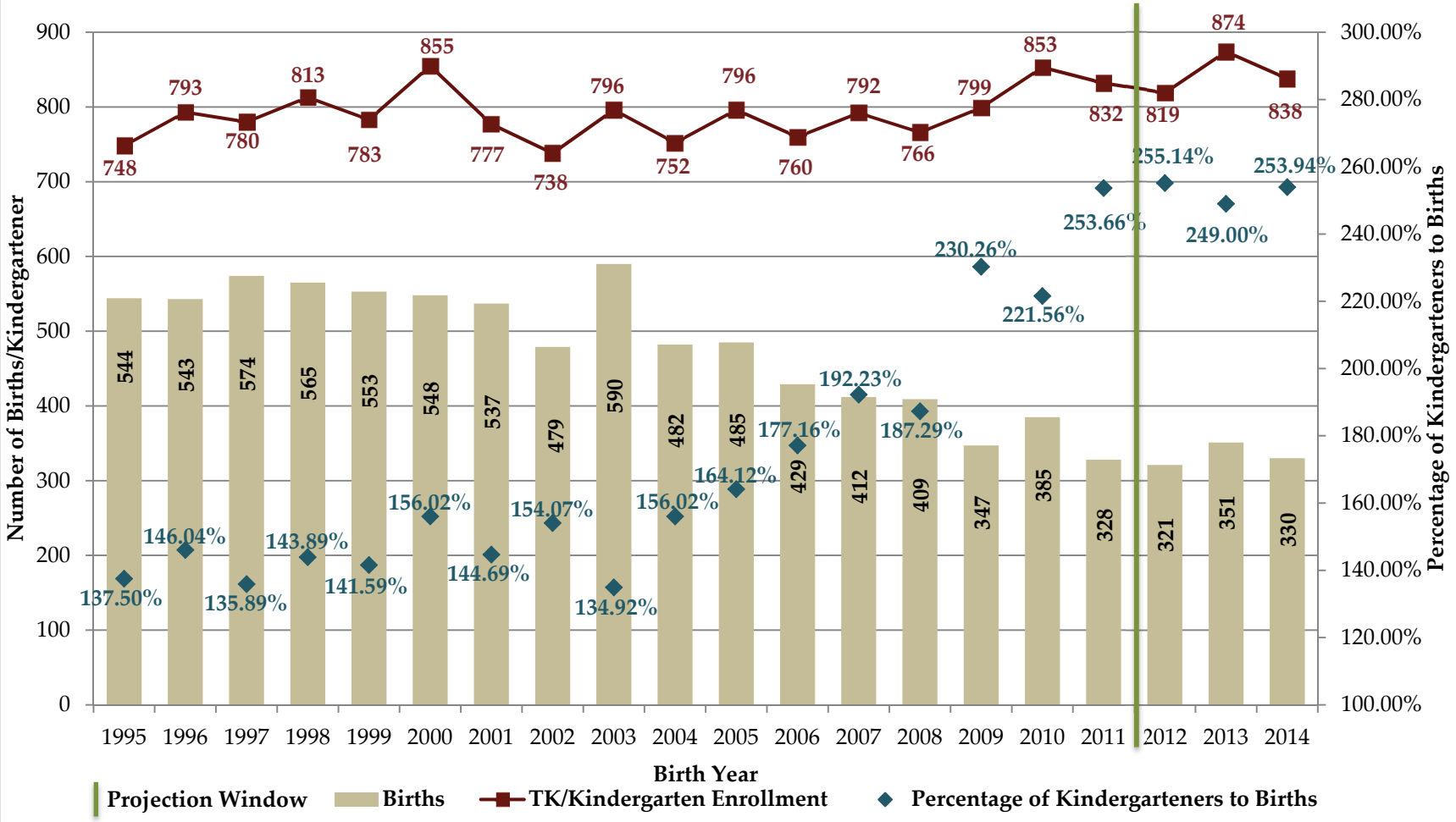
COHORT SURVIVAL SCHOOL FACTORS

School of Residence	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Dapplegray ES	106.4%	102.6%	106.0%	106.0%	99.5%							
Lunada Bay ES	116.0%	109.4%	110.6%	115.0%	105.1%							
Mira Catalina ES	108.2%	106.3%	98.2%	101.8%	97.0%							
Montemalaga ES	105.1%	102.4%	99.3%	98.7%	98.7%							
Point Vicente ES	111.3%	106.2%	111.5%	104.0%	109.3%							
Rancho Vista ES	109.4%	98.5%	105.9%	108.5%	99.3%							
Silver Spur ES	101.1%	104.7%	97.7%	100.7%	97.1%							
Soleado ES	119.1%	103.5%	106.7%	107.3%	105.3%							
Vista Grande ES	107.0%	108.5%	102.2%	107.1%	104.9%							
Eastview Option Area	102.8%	103.8%	105.6%	104.7%	105.4%	113.9%	103.5%	98.1%	106.3%	95.7%	97.3%	98.2%
Miraleste IS						104.5%	102.6%	102.6%				
Palos Verdes IS						102.9%	100.3%	101.6%				
Ridgecrest IS						106.1%	103.8%	99.0%				
Palos Verdes HS/ Palos Verdes Peninsula HS									109.1%	101.7%	100.4%	98.9%

[1] Cohorts are calculated on a three-year weighted average based on school of residence.

INPUTS & METHODOLOGY

BIRTH RATE



[1] Information on actual births in ZIP codes 90274 and 90275 obtained from the California Department of Public Health ("CDPH").
[2] TK/Kindergarten Enrollment is adjusted to five (5) years after the birth year for when the births are expected to enroll in the School District.

INPUTS & METHODOLOGY

STUDENT GENERATION FACTORS ("SGFs")

SINGLE FAMILY DETACHED UNITS		
Grade Level	**SFD SGFs**	**Students Per 100 Homes**
Transitional Kindergarten	0.0070	0.70
Elementary School (K-5)	0.1698	16.98
Intermediate School (6-8)	0.1053	10.53
High School (9-12)	0.1596	15.96
Total	**0.4417**	**44.17**
SINGLE FAMILY ATTACHED UNITS		
Grade Level	**SFA SGFs**	**Students Per 100 Homes**
Transitional Kindergarten	0.0030	0.30
Elementary School (K-5)	0.1394	13.94
Intermediate School (6-8)	0.0783	7.83
High School (9-12)	0.1250	12.50
Total	**0.3457**	**34.57**
MULTIFAMILY ATTACHED UNITS		
Grade Level	**MFA SGFs**	**Students Per 100 Homes**
Transitional Kindergarten	0.0011	0.11
Elementary School (K-5)	0.0976	9.76
Intermediate School (6-8)	0.0538	5.38
High School (9-12)	0.1135	11.35
Total	**0.2660**	**26.60**

INPUTS & METHODOLOGY

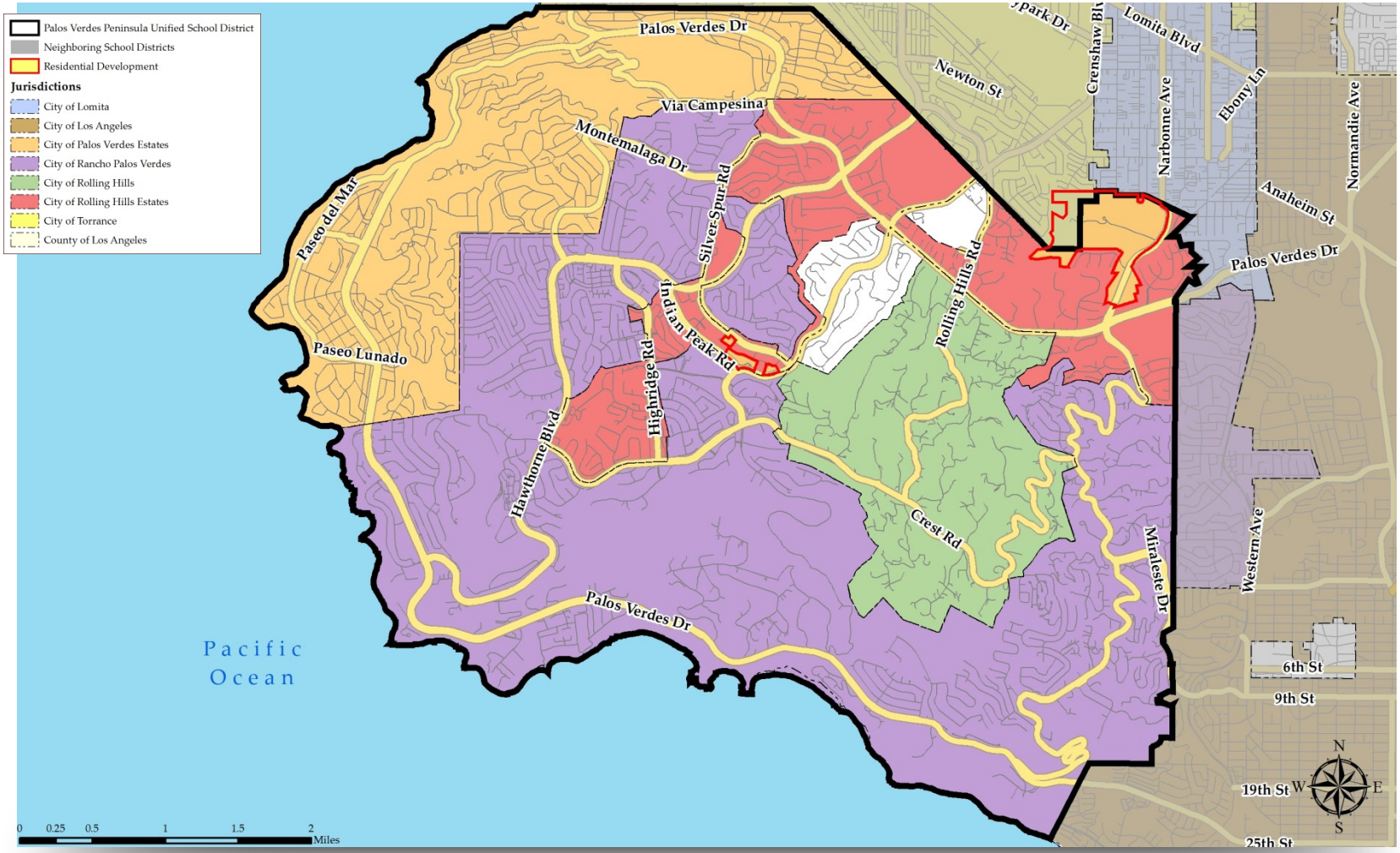
FUTURE RESIDENTIAL DEVELOPMENT

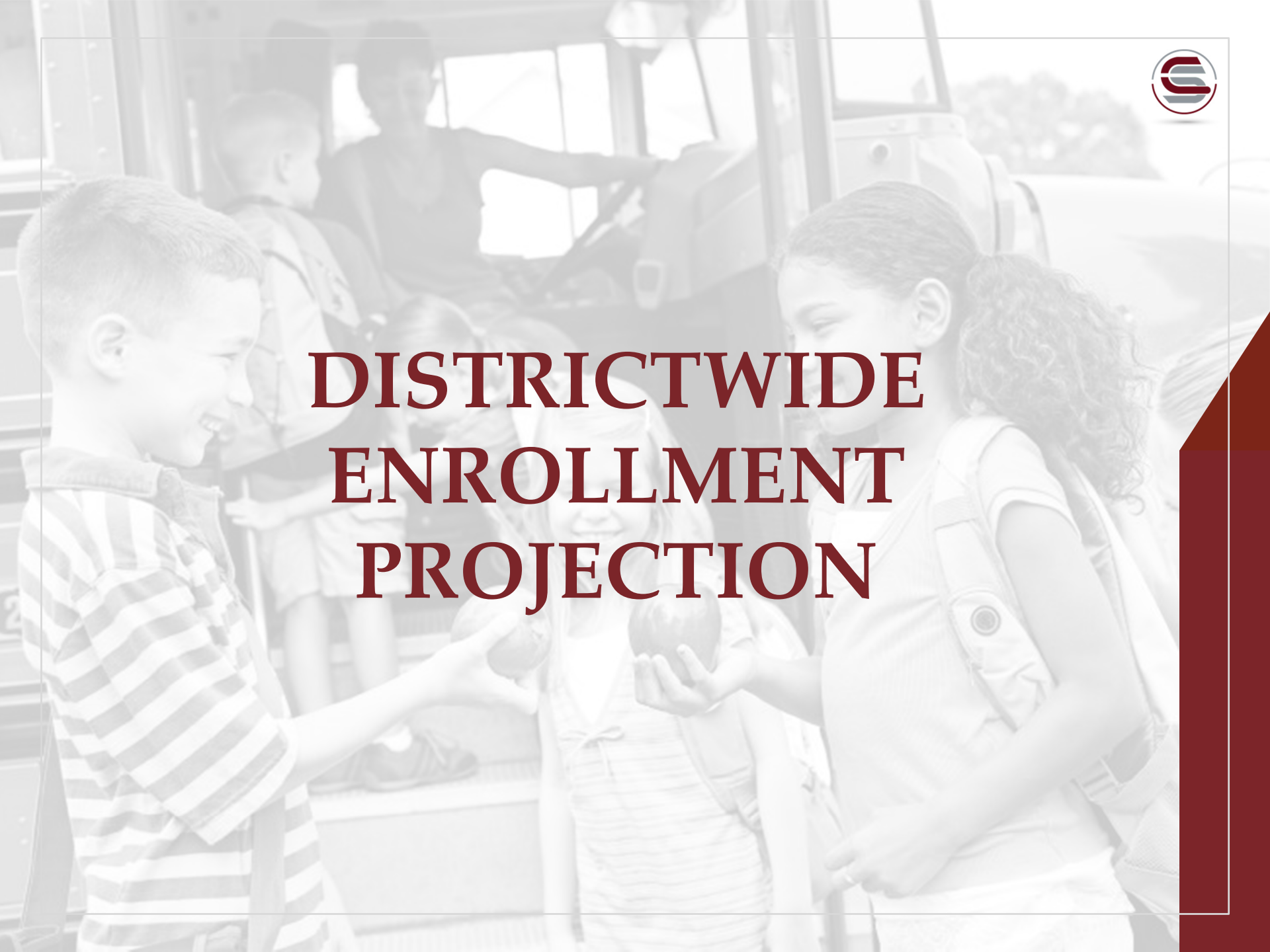
PROJECTED ANNUAL RESIDENTIAL DEVELOPMENT[1]				
Project	**SINGLE FAMILY DETACHED**	**SINGLE FAMILY ATTACHED**	**MULTI FAMILY ATTACHED**	**Absorption Period**
655-683 Deep Valley Drive & 924-950 Indian Peak Mixed-Use Project[2]	0	46	102	TBD
927 Deep Valley Drive	0	75	0	2017-2020
La Collina	0	58	0	2016-2017
Rolling Hills Estates Country Club[2]	114	0	0	TBD
Total	**114**	**179**	**102**	**-**

[1] Based on information obtained from the City of Rolling Hills, Rolling Hills Estates, Palos Verdes Estates, and Ranchos Palos Verdes.
[2] Due to lack of information, the residential project was excluded from the projection window.

ATTENDANCE BOUNDARIES

RESIDENTIAL DEVELOPMENT MAP

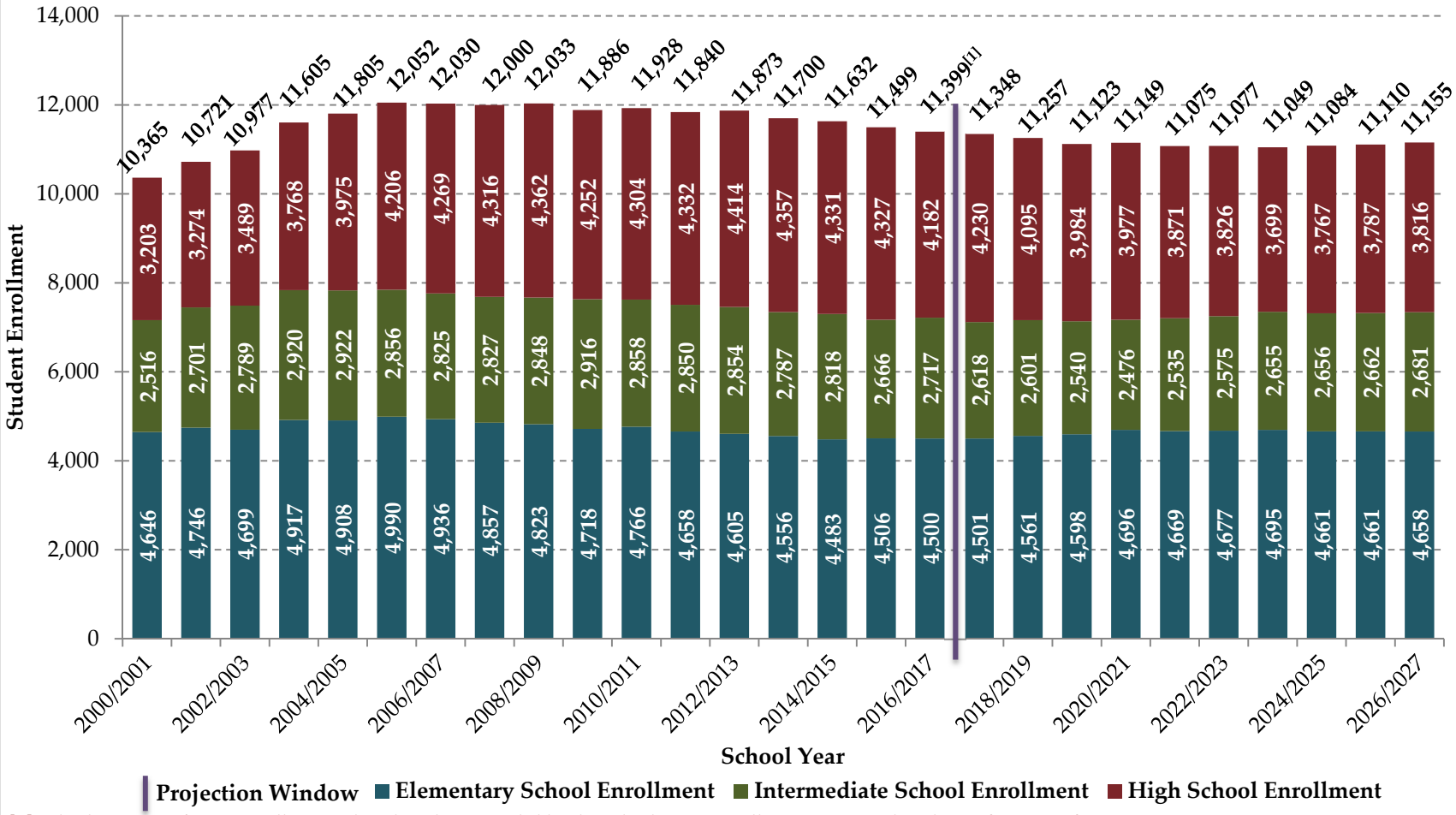




DISTRICTWIDE ENROLLMENT PROJECTION

ENROLLMENT PROJECTION

DISTRICTWIDE STUDENT ENROLLMENT PROJECTIONS BY SCHOOL YEAR[2]



[1] School Year 2016/2017 Enrollment is based on data provided by the School District. All prior years are based on information from CDE.
[2] Projected enrollment may not sum due to rounding.

ENROLLMENT PROJECTION

BY GRADE

Grade Level	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
Transitional Kindergarten	181	177	191	181	181	181	181	181	181	181	180
Kindergarten	651	643	683	657	658	659	659	659	658	657	656
1st Grade	725	696	688	732	703	704	705	705	705	704	703
2nd Grade	663	766	736	728	773	743	744	745	745	744	744
3rd Grade	716	670	780	749	739	786	755	755	756	756	756
4th Grade	784	765	718	836	802	792	841	808	808	809	809
5th Grade	780	783	764	717	839	803	792	843	808	809	810
6th Grade	883	839	842	823	774	904	863	852	905	869	870
7th Grade	879	903	858	862	843	792	925	883	872	926	889
8th Grade	955	876	901	855	859	840	787	920	879	867	922
9th Grade	951	1,053	968	996	945	949	928	870	1,014	970	957
10th Grade	1,109	949	1,053	968	994	943	947	925	866	1,011	968
11th Grade	1,114	1,119	959	1,064	978	1,004	951	956	934	875	1,019
12th Grade	1,008	1,109	1,114	957	1,060	975	1,000	948	952	931	872
Total[1]	**11,399**	**11,348**	**11,257**	**11,123**	**11,149**	**11,075**	**11,077**	**11,049**	**11,084**	**11,110**	**11,155**
Annual Growth/(Decline)	**N/A**	**(51)**	**(92)**	**(134)**	**26**	**(74)**	**3**	**(29)**	**35**	**26**	**45**
Cumulative Growth/(Decline)	**N/A**	**(51)**	**(142)**	**(276)**	**(250)**	**(324)**	**(322)**	**(350)**	**(315)**	**(289)**	**(244)**

[1] Numbers may not sum due to rounding.

ENROLLMENT PROJECTION

ELEMENTARY SCHOOL ENROLLMENT BY ATTENDANCE

School of Attendance	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
Dapplegray ES	614	612	629	635	648	633	633	636	631	631	631
Lunada Bay ES	373	376	381	398	408	415	415	417	414	414	414
Mira Catalina ES	375	381	382	372	378	373	374	374	372	372	371
Montemalaga ES	488	464	469	473	474	487	488	490	486	486	486
Point Vicente ES	346	359	359	362	370	359	359	361	358	358	358
Rancho Vista ES	456	447	454	450	467	462	462	464	461	461	461
Silver Spur ES	541	524	520	524	535	531	532	534	530	530	529
Soleado ES	476	490	503	515	536	539	540	542	539	539	539
Vista Grande ES	443	450	459	459	461	453	455	457	453	453	453
Cornerstone ES	388	398	403	410	418	418	418	420	417	417	417
ES Total (Grades TK-5)[1]	***4,500***	***4,501***	***4,561***	***4,598***	***4,696***	***4,669***	***4,677***	***4,695***	***4,661***	***4,661***	***4,658***
Annual Growth/(Decline)	**N/A**	**1**	**60**	**38**	**97**	**(27)**	**8**	**18**	**(33)**	**0**	**(3)**
Cumulative Growth/(Decline)	**N/A**	**1**	**61**	**98**	**196**	**169**	**177**	**195**	**161**	**161**	**158**

[1] Numbers may not sum due to rounding.

ENROLLMENT PROJECTION

INTERMEDIATE SCHOOL AND HIGH SCHOOL ENROLLMENT BY ATTENDANCE

School of Attendance	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
Miraleste IS	891	877	862	835	812	856	855	884	867	869	874
Palos Verdes IS	915	855	847	804	760	756	781	807	815	816	822
Ridgecrest IS	911	886	892	901	903	923	939	964	974	977	985
IS Total (Grades 6-8)[1]	*2,717*	*2,618*	*2,601*	*2,540*	*2,476*	*2,535*	*2,575*	*2,655*	*2,656*	*2,662*	*2,681*
Annual Growth/(Decline)	**N/A**	**(99)**	**(17)**	**(61)**	**(65)**	**60**	**39**	**80**	**0**	**7**	**18**
Cumulative Growth/(Decline)	**N/A**	**(99)**	**(116)**	**(177)**	**(241)**	**(182)**	**(142)**	**(62)**	**(61)**	**(55)**	**(36)**
Palos Verdes HS	1,685	1,680	1,625	1,584	1,577	1,537	1,519	1,467	1,497	1,505	1,519
Palos Verdes Peninsula HS	2,423	2,473	2,397	2,329	2,328	2,264	2,237	2,164	2,203	2,216	2,229
Rancho Del Mar HS	74	78	74	71	72	70	70	68	67	66	68
HS Total (Grades 9-12)[1]	*4,182*	*4,230*	*4,095*	*3,984*	*3,977*	*3,871*	*3,826*	*3,699*	*3,767*	*3,787*	*3,816*
Annual Growth/(Decline)	**N/A**	**48**	**(135)**	**(111)**	**(7)**	**(107)**	**(45)**	**(127)**	**68**	**20**	**30**
Cumulative Growth/(Decline)	**N/A**	**48**	**(87)**	**(198)**	**(205)**	**(311)**	**(356)**	**(483)**	**(415)**	**(395)**	**(366)**

[1] Numbers may not sum due to rounding.

QUESTIONS

Cooperative Strategies
949.250.8300