PASADENA UNIFIED SCHOOL DISTRICT

Fall 2009/2010
Student Population Projection Report

Fall 2010/11 – Fall 2016/17
Student Population Projections
by Residence

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*The Third Party Demographic Reports are prepared using ESRI's Business Analyst Online (BAO). Reports are created by overlaying the Pasadena Unified School District boundary onto the ESRI BAO data. These reports are for informational purposes only; DDP is not responsible for the accuracy of the data.

INTRODUCTION

The Pasadena Unified School District has contracted with Davis Demographics & Planning, Inc. (DDP) to update and analyze demographic data relevant to the District's facility planning efforts. The scope of contracted work includes: mapping the District, address matching the current student file, developing and researching pertinent demographic data, identifying future residential development plans and developing a seven year student population projection. DDP will then assist the District in developing solutions for housing future student population. Additionally, this study was prepared to assist the District's efforts in evaluating future site requirements and attendance area changes.

The purpose of this report is to identify and inform the District of the trends occurring in the community; how these trends may affect future student population; and to assist in illustrating facility adjustments that may be necessary to accommodate the potential student population shifts. The District can then use this information to better plan for the need, location and timing of facility or boundary adjustments.

The **Sources of Data** section details where the two sources of data, geographic and non-geographic, are collected and how each data item is used in the seven-year student population projection model.

The **Seven Year Projection Methodology** section discusses in detail how the factors used in the study were calculated and why they were used. These factors include: the calculation of incoming kindergarten classes, additional students from new housing (referred to as student yield), the effects of student mobility, and a detailed review of planned residential development within the District.

The **Student Resident Projection Summary** sections are a review of Fall 2009/10's student resident projection results. Included in these sections are a district wide student population projection summary and a projected resident student population summary for each existing attendance area and study area.

While reading this report, it is important to remember that this is a snapshot of current and potential student population based upon data gathered in fall 2008. Population demographics change, development plans change, funding opportunities can change, District priorities can change, and therefore, new projections and adjustments to the overall Facilities Master Plan will continue to be necessary in the future.

EXECUTIVE SUMMARY

Davis Demographics & Planning, Inc. is assisting the Pasadena Unified School District to plan for future student population changes. By factoring current and historical student data with demographic data and planned residential development, DDP calculated a seven year student population projection. This projection is based upon residence of the students and is designed to alert the District as to when and where student population shifts will occur.

The Pasadena Unified School District is expected to experience a decline in enrollment over the next seven years, with the decline seen throughout the grade levels. The K-12 district student population is projected to decrease by approximately 1,822 over the projection time frame. The overall elementary (grades K-5) student population is expected to decrease by 583 students, with some isolated pockets of growth. The middle school (grades 6-8) student population is expected to decrease by 454 students by the fall of 2015/16. The High school student population (grades 9-12) is expected to have the greatest decline, with the projected 9-12 student population falling 796 students over the projection period.

It is important to remember that DDP calculates the seven year student population projection with the most current information available at the time. The further out the projection period the less accurate the projection may be. We anticipate changes to the demographics trends in the future and, therefore, stress the importance of annual updates to track the trends as they occur.

DDP Observations

- Resident student population in the Pasadena U.S.D. has declined annually since the 2000/2001 school year.
- Births within the P.U.S.D. have remained somewhat stable from 2002 to 2007 with a slight decline in 2008
- The percentage of births resulting in kindergarten students five years later has declined from 60% in 2004/05 to 53% in 2009/10
- Move In/Move Out (mobility) calculations indicate a loss in student population for most attendance areas.
- P.U.S.D. student population is projected to continue declining within the timeframe of this projection.
- Intra-district transferring is wide spread throughout the P.U.S.D. with many schools capturing less than 50% of the P.U.S.D. students residing in its attendance area.

SOURCES OF DATA

Geographic Map Data

Four geographic data layers were updated for use in the seven-year student population projections:

1. Street Centerline Database
2. Study Areas
3. Schools
4. Students – Historical and Current

1) Street Centerline Data

DDP has licensed a digital street centerline map of the School District from ETAK. The street database has associated attributes that contains, but are not limited to, the following fields: full street name, address range and street classification

The main function of the streets is in the geo-coding process of the student data. Each student is address matched to the streets by their given address. The geo-coding process places a point on the map for every student in the exact location that student resides. This enables DDP to analyze the student data in a geographic manner.

Another vital utilization of the digital street database is in the construction of study areas. Freeways, major streets and neighborhood streets are used as boundaries for the study areas.

2) Study Areas

Study areas are small geographic areas and the building blocks of a school district; they are similar to neighborhoods. Study areas are geographically defined following logical boundaries of the neighborhood, such as: freeways, streets, railroad tracts, rivers, etc…. Each study area is then coded with the elementary, middle and high school that the area is assigned to attend. By gathering information about the district at the study area level, you can closely monitor growth and demographic trends in particular regions and spot potential need for boundary changes or new facilities.

3) Schools

The District provided school facility location information to DDP for the purpose of mapping the District facilities.

4) Student Data

a. Historical Student Data - Historical enrollment is used to compare past student population growth and trends as well as the effects of mobility (move in, move out from existing housing) throughout the District. DDP utilized the 4 previous year's (06/07, 07/08, 08/09 and 09/10) students. The students have been matched to their individual location using the address information provided at time of enrollment.

b. Current Student Data - A student data file for October 4th, 2009 (received by computer data file from the School District) summarized by grade level and by study area is used as a base for the population projections. Existing students were categorized by study area through the address matching process that locates each student within a particular area based upon their given address. The projections run each of the next seven years from the fall 10/11 school year through the fall 16/17 school year.

The Student Accounting Summary (Table 1) indicates the total student enrollment as of October 4, 2009 and the number of student used in the seven year student population projections. The projection model is based upon student residence and excludes students residing outside of the District's boundaries, students unable to be address matched and special education students (special education students usually attend a school that services their particular need).

Student Accounting Summary
Fall 09/10 Actual Enrollment (10/04/2009)

Total Students Provided by District File	19,130
Students Living out of District	- 429 (added in)
Special Education Students	- 649 (added in)
Student Unmatched	-1 (added in)
Students Attending Center for Independent Study	- 298 (added in)

RESIDENT STUDENTS USED AS PROJECTION BASE   17,753

Table .1– Student Accounting Summary

Non-Geographic Data

Two basic sets of non-geographic data were compiled and reviewed for use in the seven-year student population projections by residence:

1. Births by Zip Code
2. Mobility Factors

1) Births by Zip Code Data - Birth data by postal zip code was obtained from the California State Department of Health for the years 1991-2007 and roughly correlated to the Pasadena Unified School District. Past changes in historical birthrates are used to estimate incoming kindergarten student population from existing housing.

2) Mobility Factors - Mobility refers to the increase/decrease in the migration of students within the District boundary (move-in/move-out of students from existing housing). Mobility, similar to a cohort, is applied as a percentage of increase/decrease among each grade for every year of the projections

SEVEN YEAR PROJECTION METHODOLOGY

The projection methodology used in this study combines historical student population figures, past and present demographic characteristics, and planned residential development to forecast future student population at the study area level. District-wide projections are summarized from the individual study area projections. **These projections are based on where the students reside and the attendance are they reside in. We use the actual location of where the students reside, as opposed to their school of enrollment, in order to provide the most accurate estimate of where future school facilities should be located.** The best way to plan for future student population shifts is to know where the next group of students will be residing. The following details the methodology used in preparing the student population projections by residence.

Seven-Year Projections

Projections are calculated out seven years from the date of projection for several reasons. The planning horizon for any type of facility is typically no less than five years, often longer. Seven years are sufficient to adequately plan for a new facility. It is a short to mid term solution for planning needs. Projections beyond seven years are based on speculation due to the lack of reliable information on birthrates, new home construction, economic conditions etc.

Why Projections are Calculated by Residence

Typically, school district projections are based on enrollment by school. However, this method is inadequate when used to locate future school facility needs, because the location of the students is not taken into consideration. A school's enrollment can fluctuate due to variables in the curriculum, program changes, school administration and open enrollment policies. These variables can skew the apparent need for new or additional facilities in an area.

The method used by DDP is unique because it modifies a standard cohort projection with demographic factors and actual student location. **DDP bases it's projections on the belief that school facility planning is more accurate when facilities are located where the greatest number of students reside.** This is especially true for the P.U.S.D. where less than 50% of the student population attend the school of their attendance area.

The best way to plan for future schools is to know where the next group of students will be coming from. The following details the methodology used in preparing the student population projections.
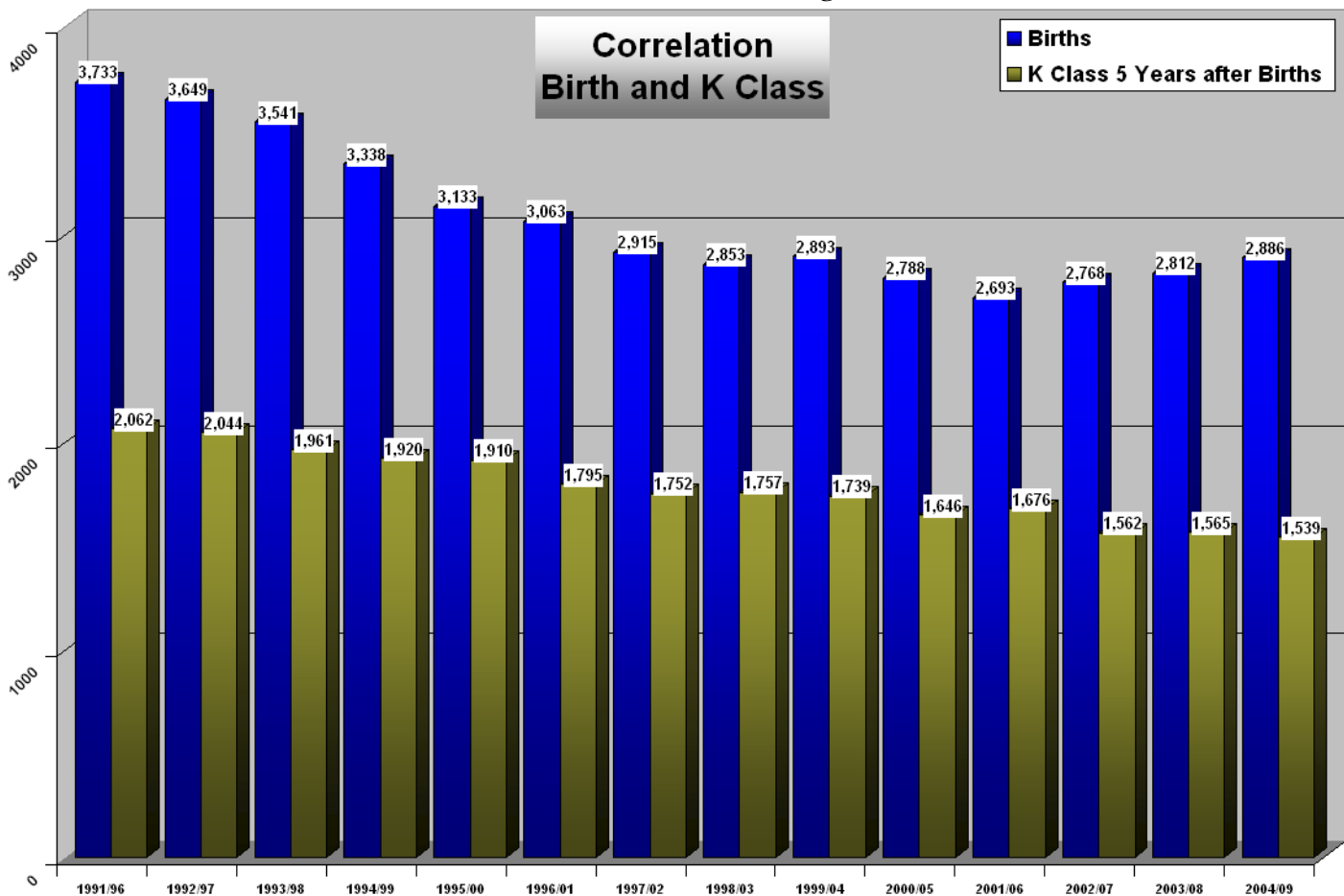
FACTORS

1) Progression - Each year of the projections, 12th grade student's graduate and continuing students progress through to the next grade level. This normal progression of students is modified by the following factors:

2) Incoming Kindergarten – Live birth data is reported to the California State Department of Health by the resident postal zip code of the mother. DDP uses the birth data by zip code roughly correlating to the District boundary and applies the data accordingly. If need be a different birth factor can be applied to various areas of the District...

Incoming kindergarten classes, for existing homes, are estimated by comparing changes in past births in the area. Table 2 illustrates the total births for each zip code in the Pasadena Unified School District from 1996 to 2008. Incoming kindergarten classes are determined by multiplying the existing kindergarten class (2009/10) by the percent increase/decrease in the births for the year the kindergarten class was born (2004). Assuming that the Fall 2009/10 kindergarten class was born in 2004, DDP compared the total births in 2004 to the total births in 2005, to determine a factor for next year's K class (2010/11), then compared 2004 to 2006 for Fall 2011/12's K class, and so on.

Zip Code 91001

Year	Births	Change	Used in Projection	Year of Projection
1996	509	105.2%		
1997	475	98.1%		
1998	510	105.4%		
1999	495	102.3%		
2000	485	100.2%		
2001	513	106.0%		
2002	489	101.0%		
2003	484	98.0%		
2004	494	BASE		2009/10
2005	452	91.5%	91.5%	2010/11
2006	490	99.2%	99.2%	2011/12
2007	507	102.6%	102.6%	2012/13
2008	435	88.1%	88.1%	2013/14
			96.0%	2014/15
			96.0%	2015/16
			96.0%	2016/17

Zip Code 91101

Year	Births	Change	Used in Projection	Year of Projection
1996	285	99.7%		
1997	275	96.2%		
1998	267	93.4%		
1999	252	88.1%		
2000	268	93.7%		
2001	107	37.4%		
2002	266	93.0%		
2003	286	97.6%		
2004	293	BASE		2009/10
2005	299	102.0%	102.0%	2010/11
2006	290	99.0%	99.0%	2011/12
2007	308	105.1%	105.1%	2012/13
2008	332	113.3%	113.3%	2013/14
			105.0%	2014/15
			105.0%	2015/16
			105.0%	2016/17

Zip Code 91104

Year	Births	Change	Used in Projection	Year of Projection
1996	738	124.0%		
1997	699	117.5%		
1998	665	111.8%		
1999	647	108.7%		
2000	633	106.4%		
2001	631	106.1%		
2002	582	97.8%		
2003	595	102.4%		
2004	581	BASE		2009/10
2005	596	102.6%	102.6%	2010/11
2006	610	105.0%	105.0%	2011/12
2007	577	99.3%	99.3%	2012/13
2008	544	93.6%	93.6%	2013/14
			101.0%	2014/15
			101.0%	2015/16
			101.0%	2016/17

Zip Code 91106

Year	Births	Change	Used in Projection	Year of Projection
1996	373	117.7%		
1997	379	119.6%		
1998	334	105.4%		
1999	372	117.4%		
2000	368	116.1%		
2001	338	106.6%		
2002	339	106.9%		
2003	317	87.1%		
2004	364	BASE		2009/10
2005	337	92.6%	92.6%	2010/11
2006	338	92.9%	92.9%	2011/12
2007	354	97.3%	97.3%	2012/13
2008	324	89.0%	89.0%	2013/14
			97.5%	2014/15
			97.5%	2015/16
			97.5%	2016/17

Zip Code 91024

Year	Births	Change	Used in Projection	Year of Projection
1996	119	107.2%		
1997	123	110.8%		
1998	110	99.1%		
1999	112	100.9%		
2000	105	94.6%		
2001	110	99.1%		
2002	114	102.7%		
2003	111	92.5%		
2004	120	BASE		2009/10
2005	98	81.7%	81.7%	2010/11
2006	101	84.2%	84.2%	2011/12
2007	95	79.2%	79.2%	2012/13
2008	97	80.8%	80.8%	2013/14
			90.0%	2014/15
			90.0%	2015/16
			90.0%	2016/17

Zip Code 91103

Year	Births	Change	Used in Projection	Year of Projection
1996	603	128.0%		
1997	512	108.7%		
1998	523	111.0%		
1999	545	115.7%		
2000	501	106.4%		
2001	530	112.5%		
2002	444	94.3%		
2003	471	91.5%		
2004	515	BASE		2009/10
2005	476	92.4%	92.4%	2010/11
2006	473	91.8%	91.8%	2011/12
2007	456	88.5%	88.5%	2012/13
2008	441	85.6%	85.6%	2013/14
			95.0%	2014/15
			95.0%	2015/16
			95.0%	2016/17

Zip Code 91105

Year	Births	Change	Used in Projection	Year of Projection
1996	108	96.4%		
1997	106	94.6%		
1998	96	85.7%		
1999	96	85.7%		
2000	124	110.7%		
2001	104	92.9%		
2002	102	91.1%		
2003	112	105.7%		
2004	106	BASE		2009/10
2005	96	90.6%	90.6%	2010/11
2006	101	95.3%	95.3%	2011/12
2007	109	102.8%	102.8%	2012/13
2008	109	102.8%	102.8%	2013/14
			101.0%	2014/15
			101.0%	2015/16
			101.0%	2016/17

Zip Code 91107

Year	Births	Change	Used in Projection	Year of Projection
1996	436	100.0%		
1997	452	103.7%		
1998	444	101.8%		
1999	470	107.8%		
2000	428	98.2%		
2001	464	106.4%		
2002	432	99.1%		
2003	436	105.6%		
2004	413	BASE		2009/10
2005	416	100.7%	100.7%	2010/11
2006	385	93.2%	93.2%	2011/12
2007	408	98.8%	98.8%	2012/13
2008	428	103.6%	103.6%	2013/14
			102.0%	2014/15
			102.0%	2015/16
			102.0%	2016/17

Table 2– Birth Data

Births* Comnpared to Kindergarten Class 5 Years Later**

	Birth Year	Births	K Year	K Class	% of Births
Y **e** **a** **r**	1991	3,733	1996	2,062	55%
	1992	3,649	1997	2,044	56%
	1993	3,541	1998	1,961	55%
	1994	3,338	1999	1,920	58%
	1995	3,133	2000	1,910	61%
	1996	3,063	2001	1,795	59%
	1997	2,915	2002	1,752	60%
	1998	2,853	2003	1,757	62%
	1999	2,893	2004	1,739	60%
	2000	2,788	2005	1,646	59%
	2001	2,693	2006	1,676	62%
	2002	2,768	2007	1,562	56%
	2003	2,812	2008	1,565	56%
	2004	2,886	2009	1,539	53%

Table 3– Births vs. Kindergarten

Chart 1– Births vs. Kindergarten

* Source: Vital Satistics of California, Birth Data by Zipcode, 1991-2008
** Source: PUSD, Student Data from CBEDS, 1991/92 - 2009/10

3) Student Mobility Factors - Student mobility factors further refine the seven-year student population projections. Mobility refers to the increase/decrease in the migration of students within the District boundary (move-in/move-out of students from existing housing). Mobility, similar to a cohort, is applied as a percentage of increase/decrease to each grade for every year of the projections.

A net increase or decrease of zero students over time is represented by a factor of **1.000**. A net student loss is represented by a factor less than **1.000** and a net gain by a factor greater than **1.000** (see Table 4).

Example:

	100	Kindergarten students in fall 09/10
X	1.05	(K-6 mobility)
=	**105**	**1ˢᵗ grade students in fall 10/11**

Having historical student data categorized by Study Area is extremely helpful in calculating accurate Student Mobility Factors. DDP was able to utilize the last four (4) years (Fall 2006/07, 2007/08, 2008/09, and 2009/10) student data. The 2006/07 student data was compared to 2007/08, 2007/08 to 2008/09, and 2008/09 to this year's student data at the Study area level. Grades K-12 Mobility were all calculated and applied to each elementary school attendance areas.

Mobility Used in Student Population Projection - Calculated by Attendance Area

Attendance Area	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12
Altadena E.S.	1.05	0.99	0.95	1.00	1.00	0.98	1.05	0.95	0.95	0.96	0.90	0.90
Burbank E.S.	1.08	0.90	0.95	0.99	0.99	0.89	0.82	1.03	1.02	0.98	0.96	1.01
Cleveland E.S.	1.13	0.87	1.00	0.93	0.96	0.97	0.98	1.01	0.94	0.91	0.94	0.81
Field E.S.	1.05	1.00	0.91	1.04	1.02	0.97	0.90	1.01	1.27	0.97	0.96	1.00
Franklin E.S.	0.96	0.95	0.92	1.04	1.02	0.92	1.06	0.96	0.96	1.01	0.98	0.96
Hamilton E.S.	1.10	0.94	0.99	0.91	1.00	0.98	1.02	0.91	0.94	0.95	0.94	0.91
Jackson E.S.	1.00	0.96	0.99	0.96	0.99	0.96	1.00	0.99	1.01	0.99	0.96	0.92
Jefferson E.S.	1.10	0.89	1.04	0.98	0.95	0.97	1.01	0.96	1.10	0.94	0.92	0.96
Loma Alta E.S.	1.06	0.88	0.87	0.96	0.90	0.90	0.92	0.97	0.81	0.95	0.95	0.89
Longfellow E.S.	1.02	0.91	0.93	1.00	0.96	0.92	0.93	1.02	1.16	0.93	0.93	0.96
Madison E.S.	1.04	0.85	0.94	0.98	0.90	0.95	0.98	0.95	1.07	0.88	0.84	0.84
McKinley School	1.04	0.87	0.92	0.93	0.93	0.98	0.96	0.94	0.95	0.97	0.94	0.79
Roosevelt E.S.	0.99	0.86	1.00	0.89	1.00	0.91	0.88	0.99	1.01	0.88	0.80	0.98
San Rafael E.S.	0.91	0.82	0.96	0.97	1.10	0.80	1.06	1.00	1.04	0.80	1.19	0.97
Sierra Madre E.S.	1.05	1.01	1.09	1.00	0.99	0.98	1.01	1.07	0.60	0.85	0.84	0.93
Washington E.S.	1.00	0.90	0.96	0.97	0.99	0.97	0.93	0.96	1.01	0.88	0.86	0.86
Webster E.S.	0.96	1.00	0.98	1.00	0.96	1.02	0.93	0.92	1.10	0.90	1.04	0.96
Willard E.S.	1.02	0.96	0.98	0.93	0.97	0.97	0.95	1.02	0.92	0.88	0.93	0.91

Table 4– Mobility Factors

## APPLYING VARIABLES TO GENERATE THE PROJECTIONS

Pasadena Unified School District has been broken into 968 study areas and each is coded for each elementary, middle and high school depending upon what attendance area it falls within. The residential projections are calculated at the study area level. This means that DDP conducts 968 individual projections that are based upon the number of students residing in each study area

The first step in running these projections involve listing the number of students that live in a particular study area by each individual grade (Kindergarten through 12th grade). The current student base (Fall 2009/10) is then passed onto the next year's grade (2009/10's K become 2010/11's 1st graders, 2009/10's 1st graders become 2010/11's 2nd graders, and so on). After the natural progressions of students through the grades are applied, then Birth Factors are multiplied to the current Kindergarten class to generate a base for the following year's Kindergarten class.

Next, a Mobility Factor is applied to all grades. Again, these factors take into account the natural in/out migration of students throughout the District. The mobility factor is applied to every student at each grade. A unique mobility factor is applied to each elementary school attendance area.

To finish generating the projections by residence, the same process is conducted for each of the 968 study areas. Once the projections have been run at the study area level, then it is simple addition to determine projections for each of the District's attendance areas or for a District-wide summary. For example, the residential projections for Altadena Elementary School are simply the summary of all of the study areas that make up this specific attendance area (see Section 3 for the projections of each elementary, middle and high school attendance areas.).

The District Summary for the projections (Section 2) is a total summary of all 968 study areas. The projection excludes all students that attend a District school and live outside of the District's boundaries and students unable to be address-matched. The out-of-district and unmatched students are factored back into the projections by calculating their current overall percentage of student population, applying the percentage to future years and adding it to the resident projections (Please see the Attendance Matrices in Section 4 for a breakdown of the out-of-district and unmatched by school
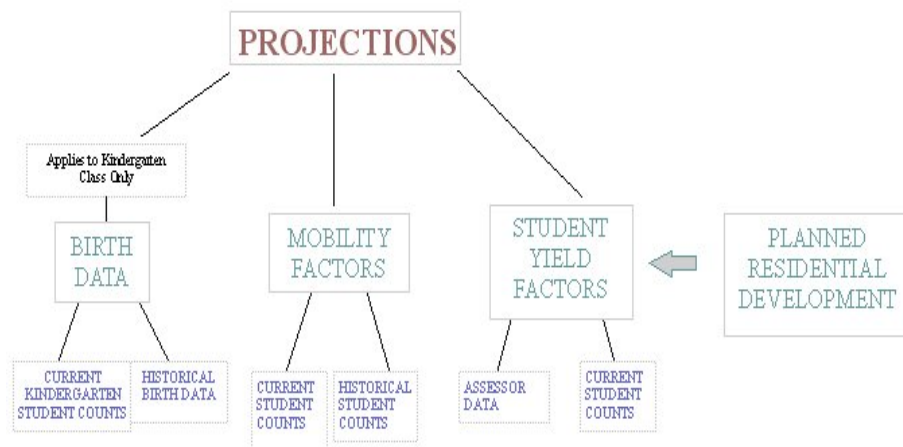
SEVEN YEAR PROJECTION SUMMARIES

Finally, the student population is projected out seven years for each of the 968 study areas and for the entire Pasadena Unified School District. The District Wide Summary enables the District to see a broad overview of future growth and what impact this growth will have on existing facilities. The study area listings enable the District to monitor student population growth or decline in smaller geographic areas within the District.

At any point in time, Study areas and their projected resident students can be shifted between schools to assist in balancing enrollment growth. Together, these projection summaries present the means for identifying the timing of additional student arrivals and overall facility requirements, as well as location in order to accommodate the District's expected population shifts.
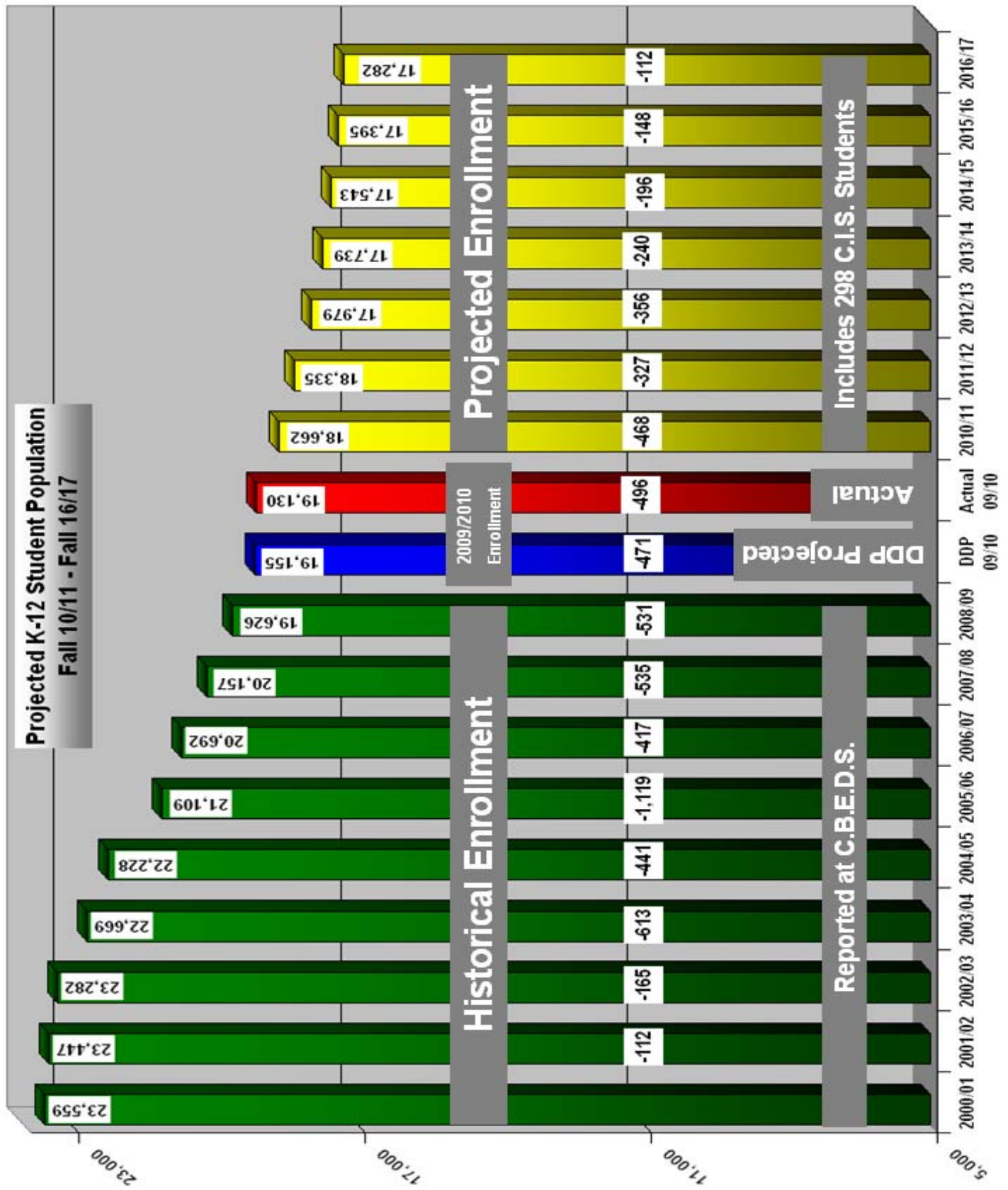
District Projection Summary

Projection Date 10/07/2009

		Base File 2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017
	K	1,482	1,417.1	1,433.5	1,438.1	1,376.4	1,459.9	1,459.9	1,459.9
	1	1,557	1,537.0	1,471.6	1,481.2	1,483.9	1,431.0	1,510.6	1,510.6
	2	1,398	1,437.5	1,415.0	1,356.1	1,362.7	1,367.1	1,315.6	1,392.7
	3	1,446	1,354.2	1,388.1	1,372.8	1,313.1	1,318.1	1,319.4	1,270.2
	4	1,418	1,404.5	1,311.8	1,344.6	1,329.2	1,271.5	1,277.0	1,281.9
	5	1,412	1,380.5	1,369.2	1,275.5	1,308.7	1,293.7	1,230.0	1,239.3
	6	1,357	1,356.0	1,322.0	1,311.6	1,223.4	1,258.8	1,243.7	1,189.6
	7	1,297	1,312.3	1,307.4	1,281.1	1,265.6	1,181.7	1,213.8	1,199.5
	8	1,348	1,264.5	1,281.0	1,278.5	1,245.6	1,238.5	1,153.6	1,187.1
	9	1,275	1,341.8	1,259.0	1,270.4	1,272.8	1,230.6	1,225.5	1,151.2
	10	1,362	1,186.5	1,247.6	1,166.8	1,181.2	1,184.7	1,142.6	1,139.4
	11	1,206	1,258.2	1,096.2	1,152.6	1,081.8	1,093.6	1,099.0	1,063.4
	12	1,195	1,099.3	1,147.1	996.3	1,051.7	989.7	991.1	999.5
	K-5	8,713	8,530.8	8,389.2	8,268.3	8,174.0	8,141.3	8,112.5	8,154.6
Sub Total	6-8	4,002	3,932.8	3,910.4	3,871.2	3,734.6	3,679.0	3,611.1	3,576.2
(Resident	9-12	5,038	4,885.8	4,749.9	4,586.1	4,587.5	4,498.6	4,458.2	4,353.5
Students)	K-12	17,753	17,349.4	17,049.5	16,725.6	16,496.1	16,318.9	16,181.8	16,084.3
	K-5	183	179.1	176.2	173.6	171.7	171.0	170.4	171.2
Out of	6-8	87	85.5	85.0	84.1	81.2	79.9	78.5	77.7
District	9-12	159	154.4	150.1	144.9	145.0	142.2	140.9	137.6
Students	K-12	429	419.0	411.2	402.7	397.8	393.1	389.7	386.5
	K-5	192	187.7	184.6	181.9	179.8	179.1	178.5	179.4
Special	6-8	169	166.1	165.1	163.5	157.7	155.4	152.5	151.0
Education	9-12	288	279.0	271.2	261.9	261.9	256.9	254.6	248.6
Students	K-12	649	632.7	620.9	607.2	599.5	591.3	585.5	579.0
	K-5	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	6-8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unmatched	9-12	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Students	K-12	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
C.I.S.	9-12	298	288.9	280.9	271.2	271.3	266.0	263.7	257.5
	K-5	9,089	8,898.6	8,750.9	8,624.8	8,526.5	8,492.4	8,462.3	8,506.2
Total	6-8	4,258	4,184.3	4,160.5	4,118.8	3,973.5	3,914.3	3,842.1	3,804.9
Student	9-12	5,783	5,608.1	5,452.1	5,264.1	5,265.7	5,163.7	5,117.3	4,997.1
Enrollment	K-12	19,130	18,691.1	18,363.6	18,007.7	17,765.7	17,570.4	17,421.7	17,308.3
Change	K-12		-438.9	-327.5	-355.8	-242.1	-195.3	-148.7	-113.4

### District Wide Student Population Projection Trends

The Pasadena Unified School District is expected to experience a decline in enrollment over the next seven years, with the decline seen throughout the grade levels. The K-12 district student population is projected to decrease by approximately 1,822 over the projection time frame. The overall elementary (grades K-5) student population is expected to decrease by 583 students, with some isolated pockets of growth. The middle school (grades 6-8) student population is expected to decrease by 454 students by the fall of 2015/16. The High school student population (grades 9-12) is expected to have the greatest decline, with the projected 9-12 student population falling 796 students over the projection period.

It is important to remember that DDP calculates the seven year student population projection with the most current information available at the time. The further out the projection period the less accurate the projection may be. We anticipate changes to the demographics trends in the future and, therefore, stress the importance of annual updates to track the trends as they occur.

Projected K-12 Student Population
Fall 10/11 - Fall 16/17

Projected Enrollment

Includes 298 C.I.S. Students

Year	Enrollment	Change
2016/17	17,282	-112
2015/16	17,395	-148
2014/15	17,543	-196
2013/14	17,739	-240
2012/13	17,979	-356
2011/12	18,335	-327
2010/11	18,662	-468

Actual 09/10
Actual: 19,130 | -496

2009/2010 Enrollment

DDP 09/10
DDP Projected: 19,155 | -471

Historical Enrollment

Reported at C.B.E.D.S.

Year	Enrollment	Change
2008/09	19,626	-531
2007/08	20,157	-535
2006/07	20,692	-417
2005/06	21,109	-1,119
2004/05	22,228	-441
2003/04	22,669	-613
2002/03	23,282	-165
2001/02	23,447	-112
2000/01	23,559	

Please note:
CBEDS data for 2000/01 – 2009/10 are from the California Department of Education DataQuest website
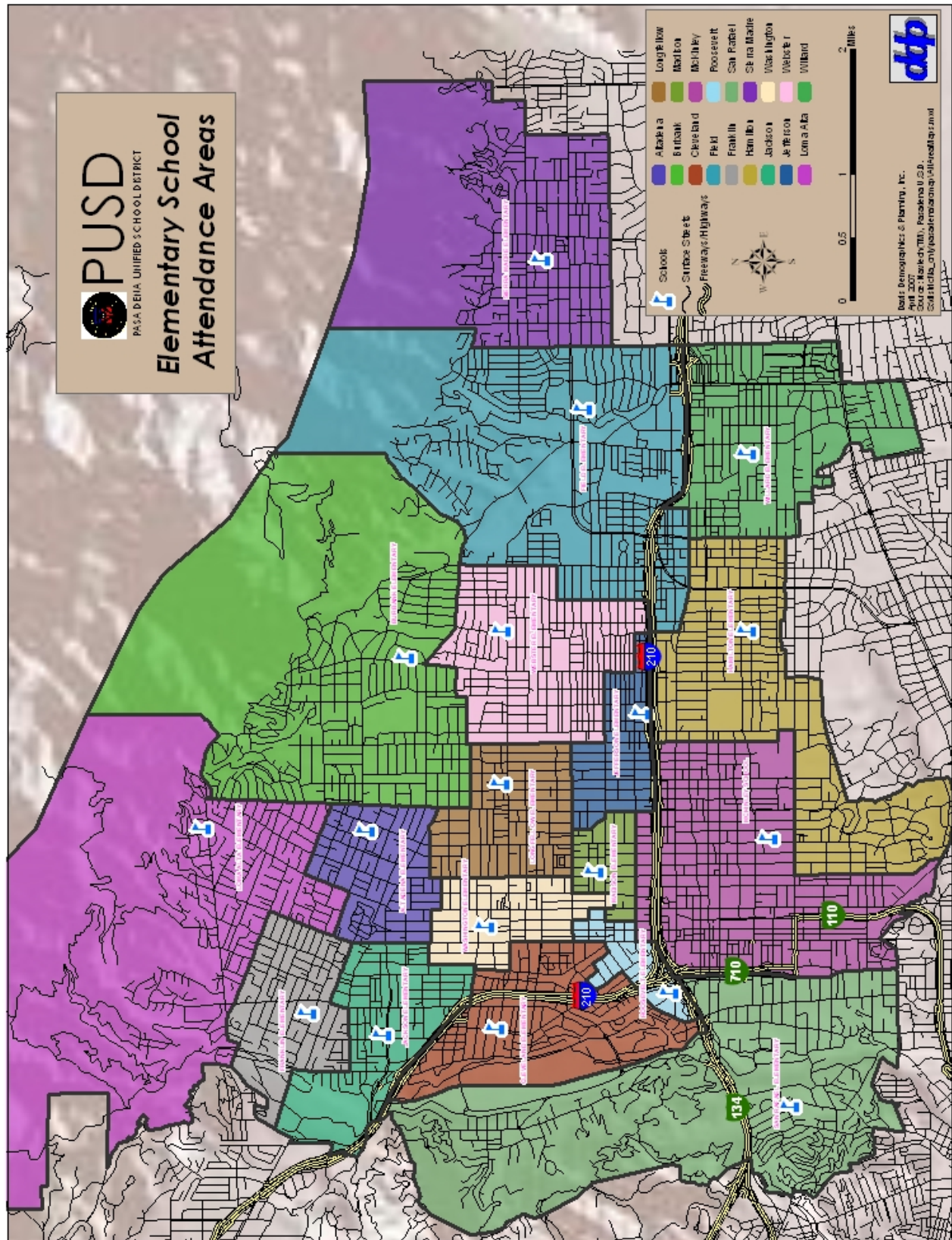
Elementary School Projections by Residence

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Attendance Area ALTADENA ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       53.0    50.1    53.1    52.5    47.4    51.7    51.7    51.7
1       73.0    56.5    53.0    54.9    55.3    49.5    53.9    53.9
2       61.0    72.7    54.8    52.6    54.8    54.8    48.8    53.4
3       94.0    58.8    68.2    52.7    49.2    52.1    51.8    46.7
4       66.0    94.0    58.8    68.2    52.7    49.2    52.1    51.8
5       72.0    66.0    94.0    58.8    68.2    52.7    49.2    52.1

K-5    419.0   398.1   381.9   339.7   327.6   310.0   307.5   309.6



Attendance Area BURBANK ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       56.0    53.1    57.1    56.9    50.9    55.1    55.1    55.1
1       63.0    61.2    58.4    62.1    61.4    55.4    59.1    59.1
2       46.0    56.7    54.6    52.5    55.3    55.4    49.6    53.1
3       47.0    44.7    54.7    51.8    49.1    52.1    53.2    46.6
4       57.0    47.0    42.7    54.7    50.9    48.7    51.9    51.7
5       58.0    52.8    43.7    41.4    50.4    49.0    46.9    49.7

K-5    327.0   315.5   311.2   319.4   318.0   315.7   315.8   315.3



Attendance Area CLEVELAND ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       94.0    86.3    86.1    83.4    80.6    90.0    90.0    90.0
1       90.0   106.0    97.7    97.0    94.0    91.0   100.6   100.6
2       90.0    78.4    92.5    84.8    84.6    81.8    78.9    87.6
3       79.0    90.0    79.2    92.8    85.1    84.6    82.0    79.2
4       78.0    73.2    83.7    72.4    85.8    79.0    78.9    75.4
5       99.0    75.2    70.7    81.0    70.2    82.9    75.7    75.4

K-5    530.0   509.1   509.9   511.4   500.3   509.3   506.1   508.2



Attendance Area FIELD ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       77.0    77.2    72.0    76.9    78.3    77.7    77.7    77.7
1       80.0    82.5    82.5    76.9    79.2    84.1    83.8    83.8
2       81.0    80.0    79.2    82.5    76.9    78.9    83.5    82.8
3       67.0    73.1    72.0    74.8    75.1    69.9    71.5    76.4
4       70.0    69.1    78.2    74.4    77.0    77.2    71.7    76.6
5       76.0    70.8    71.8    78.5    77.8    77.4    77.9    72.3

K-5    451.0   452.7   455.7   464.0   464.3   465.2   466.1   469.6
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

Elementary School Projections by Residence

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Attendance Area  FRANKLIN ELEMENTARY    Projection Date  10/7/2009
        ACTUAL                     PROJECTED RESIDENT STUDENTS
          2009     2010     2011     2012     2013     2014     2015     2016
K         80.0     72.8     80.0     82.6     70.7     76.9     76.9     76.9
1         78.0     77.3     70.7     76.6     79.6     67.4     74.6     74.6
2         76.0     73.3     72.4     66.7     72.0     74.7     64.0     69.4
3         91.0     69.5     67.7     67.1     61.3     66.7     68.9     59.1
4        101.0     94.5     73.1     70.2     69.4     64.0     69.3     72.0
5         91.0    102.9     97.4     74.9     72.6     72.0     64.8     71.2

K-5      517.0    490.3    461.3    438.1    425.6    421.7    418.5    423.2



Attendance Area  HAMILTON ELEMENTARY    Projection Date  10/7/2009
        ACTUAL                     PROJECTED RESIDENT STUDENTS
          2009     2010     2011     2012     2013     2014     2015     2016
K         91.0     89.2     84.6     90.2     90.8     91.5     91.5     91.5
1         80.0    100.1     98.3     93.6     99.3    100.1    101.7    101.7
2         75.0     74.9     94.0     92.8     87.9     92.3     93.7     95.0
3         81.0     74.6     74.4     92.7     91.7     87.2     91.2     92.6
4         85.0     73.5     67.5     67.2     84.9     84.1     79.2     84.1
5         78.0     85.0     73.5     67.5     67.2     84.9     84.1     79.2

K-5      490.0    497.3    492.3    504.0    521.8    540.1    541.4    544.1



Attendance Area  JACKSON ELEMENTARY    Projection Date  10/7/2009
        ACTUAL                     PROJECTED RESIDENT STUDENTS
          2009     2010     2011     2012     2013     2014     2015     2016
K         80.0     72.9     77.7     78.3     70.0     77.1     77.1     77.1
1        103.0     80.0     72.9     77.7     78.3     70.0     77.1     77.1
2         91.0     99.1     77.1     70.9     74.8     75.8     66.4     73.4
3         86.0     91.0     98.8     77.1     70.1     73.4     74.4     66.4
4        107.0     82.9     87.6     94.2     73.5     66.9     70.6     71.5
5        105.0    106.4     82.6     85.3     93.1     72.0     66.6     69.9

K-5      572.0    532.3    496.7    483.5    459.8    435.2    432.2    435.4



Attendance Area  JEFFERSON ELEMENTARY    Projection Date  10/7/2009
        ACTUAL                     PROJECTED RESIDENT STUDENTS
          2009     2010     2011     2012     2013     2014     2015     2016
K         80.0     75.7     76.0     78.2     72.4     78.7     78.7     78.7
1         79.0     88.0     83.2     83.5     86.2     79.4     86.3     86.3
2         82.0     71.1     79.3     74.1     74.4     77.5     71.0     77.7
3         83.0     84.8     73.4     82.3     77.0     78.5     80.1     73.7
4         78.0     81.8     83.6     71.7     80.2     76.0     76.3     78.7
5         83.0     74.9     77.5     79.6     68.7     76.9     72.7     72.8

K-5      485.0    476.3    473.0    469.4    458.9    467.0    465.1    467.9
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

Elementary School Projections by Residence

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Attendance Area LOMA ALTA ELEMENTARY   Projection Date  10/7/2009
       ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       55.0    49.8    54.9    56.6    48.7    53.1    53.1    53.1
1       50.0    58.6    53.3    58.6    60.2    51.2    55.3    55.3
2       42.0    44.2    51.1    45.9    50.3    53.1    44.8    49.4
3       50.0    36.7    38.4    44.0    40.4    44.0    45.6    38.7
4       59.0    48.3    34.7    36.5    42.4    38.6    42.3    44.0
5       39.0    53.1    43.4    32.4    33.4    38.5    34.8    38.4

K-5    295.0   290.7   275.8   274.0   275.4   278.5   275.9   278.9



Attendance Area LONGFELLOW ELEMENTARY   Projection Date  10/7/2009
       ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       81.0    83.2    86.6    81.0    75.2    81.2    81.2    81.2
1       83.0    81.3    83.5    86.8    81.1    78.5    83.2    83.2
2       76.0    75.0    75.1    75.4    78.8    73.8    70.6    75.2
3       75.0    70.8    69.1    70.6    72.6    72.9    70.4    64.8
4       76.0    75.0    70.8    69.1    70.6    72.6    72.9    70.4
5       72.0    73.8    72.6    68.4    67.0    67.0    67.3    70.6

K-5    463.0   459.1   457.7   451.3   445.3   446.0   445.6   445.4



Attendance Area MADISON ELEMENTARY   Projection Date  10/7/2009
       ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       98.0    99.2    98.8    99.0    99.0   100.4   100.4   100.4
1      117.0   101.8   102.9   102.5   102.9   102.7   104.0   104.0
2       91.0   100.1    86.9    87.4    87.3    87.4    87.8    88.7
3       97.0    85.2    93.6    81.3    81.9    81.5    81.6    81.7
4       90.0    95.1    83.5    91.5    79.3    80.7    79.8    80.0
5       86.0    81.0    85.4    75.4    81.9    71.5    72.2    71.7

K-5    579.0   562.4   551.1   537.1   532.3   524.2   525.8   526.5



Attendance Area MCKINLEY SCHOOL    Projection Date  10/7/2009
       ACTUAL                   PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K      125.0   121.4   120.6   126.4   126.2   127.9   127.9   127.9
1      123.0   129.0   126.7   125.0   131.1   131.3   131.4   131.4
2      111.0   108.5   112.9   110.1   109.1   114.6   114.0   115.6
3      101.0   103.0    98.8   104.1   103.1   101.0   106.0   105.5
4       92.0    94.1    95.6    93.7    97.8    94.7    93.5    98.5
5       86.0    85.5    87.5    88.8    86.1    89.8    88.0    87.3

K-5    638.0   641.5   642.1   648.1   653.4   659.3   660.8   666.2
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

Elementary School Projections by Residence

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Attendance Area ROOSEVELT ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                  PROJECTED RESIDENT STUDENTS
          2009    2010    2011    2012    2013    2014    2015    2016
K         50.0    46.1    45.8    44.3    42.8    47.8    47.8    47.8
1         67.0    50.0    45.9    45.7    44.1    42.8    47.2    47.2
2         41.0    57.4    42.8    39.3    39.2    37.8    36.4    40.3
3         53.0    41.0    57.4    42.8    39.3    39.2    37.8    36.4
4         54.0    47.1    36.3    50.8    37.8    35.0    34.7    33.4
5         56.0    54.0    47.1    36.3    50.8    37.8    35.0    34.7

K-5      321.0   295.6   275.3   259.2   254.0   240.4   238.9   239.8



Attendance Area SAN RAFAEL ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                  PROJECTED RESIDENT STUDENTS
          2009    2010    2011    2012    2013    2014    2015    2016
K         18.0    16.2    17.4    18.2    18.2    18.1    18.1    18.1
1         14.0    16.3    14.7    15.8    16.4    16.4    16.4    16.4
2         12.0    11.3    13.1    12.4    12.8    14.0    13.9    13.8
3          7.0    11.7    11.2    12.8    12.1    12.4    13.0    13.0
4          8.0     7.0    11.1    10.8    12.6    11.1    12.1    12.7
5         10.0     8.0     7.0    11.1    11.1    12.6    11.4    12.2

K-5       69.0    70.5    74.5    81.1    83.2    84.6    84.9    86.2



Attendance Area SIERRA MADRE ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                  PROJECTED RESIDENT STUDENTS
          2009    2010    2011    2012    2013    2014    2015    2016
K         89.0    73.0    74.6    71.2    71.2    80.1    80.1    80.1
1         76.0    94.5    76.7    79.4    73.9    76.7    83.5    83.5
2         63.0    76.7    95.2    77.4    80.1    74.6    77.4    85.6
3         71.0    69.2    83.6   104.1    85.6    87.2    81.9    83.5
4         85.0    71.0    69.2    83.6   104.1    85.6    87.2    81.9
5         52.0    84.7    70.8    68.2    83.6   103.4    83.5    86.3

K-5      436.0   469.1   470.1   483.9   498.5   507.6   493.6   500.9



Attendance Area WASHINGTON ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                  PROJECTED RESIDENT STUDENTS
          2009    2010    2011    2012    2013    2014    2015    2016
K        183.0   176.5   177.4   170.9   164.0   179.0   179.0   179.0
1        198.0   183.0   177.3   177.6   171.4   164.6   179.1   179.1
2        188.0   178.5   165.6   160.3   160.7   154.1   148.7   161.8
3        181.0   180.0   171.9   158.5   153.1   153.8   147.6   142.3
4        163.0   174.8   173.1   164.7   152.9   147.5   148.5   142.8
5        184.0   161.6   173.1   171.2   163.5   152.2   146.0   146.2

K-5     1097.0  1054.4  1038.4  1003.2   965.6   951.2   948.9   951.2
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

Elementary School Projections by Residence

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Attendance Area  WEBSTER ELEMENTARY    Projection Date  10/7/2009
        ACTUAL                      PROJECTED RESIDENT STUDENTS
          2009    2010    2011    2012    2013    2014    2015    2016
K         85.0    87.1    89.5    85.0    80.0    85.0    85.0    85.0
1         88.0    82.2    84.1    84.0    82.0    77.5    82.9    82.9
2         89.0    88.0    82.2    84.3    84.0    82.0    77.5    82.9
3         85.0    88.2    86.8    79.3    82.0    83.3    79.0    76.6
4         76.0    85.0    86.8    86.8    79.0    82.0    83.1    78.6
5         75.0    73.7    82.4    82.4    81.4    76.5    77.0    78.3

K-5      498.0   504.2   511.8   501.8   488.4   486.3   484.5   484.3
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Attendance Area  WILLARD ELEMENTARY    Projection Date  10/7/2009
        ACTUAL                      PROJECTED RESIDENT STUDENTS
          2009    2010    2011    2012    2013    2014    2015    2016
K         87.0    87.3    81.3    86.5    90.0    88.6    88.6    88.6
1         95.0    88.7    89.8    83.5    87.5    92.4    90.5    90.5
2         83.0    91.6    86.2    86.7    79.7    84.5    88.6    87.0
3         98.0    81.9    88.9    84.0    84.4    78.3    83.4    87.0
4         73.0    91.1    75.5    84.1    78.3    78.6    72.9    77.8
5         90.0    71.1    88.7    74.3    81.7    76.6    76.9    71.0

K-5      526.0   511.7   510.4   499.1   501.6   499.0   500.9   501.9
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

Elementary Attendance Area Student Population Projection Trends
Note: The following analysis is based upon students residing within the P.U.S.D. boundaries only and excludes Special Education students.

The Pasadena Unified School District is projected to decline form 9,089 current K-5 resident students to 8,506 K-5 students in 2016/17 school year. The resident K-5 student population is projected to decline annually through 2012/2013 then stabilize for the last four years of the projection.

The Altadena Elementary School attendance area currently has 419 K-5 resident students. The K-5 resident student population is expected to decline annually through the projection timeframe. The Altadena E.S attendance area is projected to decrease from 419 to 309 K-5 resident students in the next seven years.

The Burbank Elementary School attendance area currently has 327 K-5 resident students. The attendance area is expected to remain fairly stable for the next seven years. In the 2016/17 the Burbank E.S. attendance area is projected to have 315 K-5 resident students.

The Cleveland Elementary School attendance area currently has 530 K-5 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Cleveland E.S. attendance area is projected to have 508 K-5 resident students.

The Field Elementary School attendance area currently has 451 K-5 resident students. The attendance area is expected to show a slight increase stable throughout the projection timeframe. The Field E.S attendance area is projected to grow in the next seven years with a K-5 resident student population of 469 in the 2016/17 school year.

The Franklin Elementary School attendance area currently has 517 K-5 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Franklin E.S. attendance area is projected to have 423 K-5 resident students. A portion of this decline can be attributed to the large 2008/09 3rd, 4th, and 5th grade classes matriculating through the grades and being replaced by relatively smaller kindergarten classes.

The Hamilton Elementary School attendance area currently has 490 K-5 resident students. The attendance area is expected to increase annually for the next seven years. In the 2016/17 the Hamilton E.S. attendance area is projected to have 544 K-5 resident students. The increase can be attributed to a larger than expected kindergarten class.

The Jackson Elementary School attendance area currently has 572 K-5 resident students. The attendance area is expected to decline throughout the projection timeframe. The Jackson E.S attendance area is projected to have a K-5 resident student population of 435 in the 2016/17 school year.

Elementary Attendance Area Student Population Projection Trends
Note: The following analysis is based upon students residing within the P.U.S.D. boundaries only and excludes Special Education students.

The Jefferson Elementary School attendance area currently has 485 K-5 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Jefferson E.S. attendance area is projected to have 467 K-5 resident students.

The Loma Alta Elementary School attendance area currently has 295 K-5 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Loma Alta E.S. attendance area is projected to have 278 K-5 resident students. A portion of this decline can be attributed to the large 2008/09 3rd and 4th grade classes matriculating through the grades and being replaced by relatively smaller kindergarten classes.

The Longfellow Elementary School attendance area currently has 463 K-5 resident students. The attendance area is expected to remain stable throughout the projection timeframe. The Longfellow E.S attendance area is projected to fluctuate from 459 to 445 K-5 resident students in the next seven years with a K-5 resident student population of 445 in the 2016/17 school year.

The Madison Elementary School attendance area currently has 579 K-5 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Madison E.S. attendance area is projected to have 526 K-5 resident students. This decline can be attributed to the annual decrease in resident students from grade to grade. The mobility for the Madison E.S. ranges from a 1% to 13% loss in each of the seven grades.

The McKinley School attendance area currently has 638 K-5 resident students. The attendance area is expected to increase in the projection timeframe. The McKinley E.S attendance area is projected to fluctuate from to reach a K-5 resident student population of 666 in the 2016/17 school year. Over the past few years the McKinley attendance area has experienced large lower elementary classes (kindergarten through 3rd grade) declining annually to around the 80 or 90 student range.

The Roosevelt Elementary School attendance area currently has 321 K-5 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Roosevelt E.S. attendance area is projected to have 239 K-5 resident students.

The San Rafael Elementary School attendance area currently has 69 K-5 resident students. The attendance area is expected to increase annually for the next seven years. In the 2016/17 the San Rafael E.S. attendance area is projected to have 86 K-5 resident students. This attendance area has a low number of resident students and fluctuations here do not greatly influence the overall district projections.

## *Elementary Attendance Area Student Population Projection Trends*
Note: The following analysis is based upon students residing within the P.U.S.D. boundaries only and excludes Special Education students.

The Sierra Madre Elementary School attendance area currently has 436 K-5 resident students. The attendance area is expected to increase annually for the next seven years. In the 2016/17 the Sierra Madre E.S. attendance area is projected to have 500 K-5 resident students. An increase in current and future kindergarten class size is the driving factor behind the future projected increase.

The Washington Elementary School attendance area currently has 1,097 K-5 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Washington E.S. attendance area is projected to have 951 K-5 resident students. This decline can be attributed to the annual decrease in resident students from grade to grade. The mobility for the Washington E.S. ranges from a 6% to 14% loss in each of the seven grades.

The Webster Elementary School attendance area currently has 498 K-5 resident students. The attendance area is expected remain fairly stable for the next seven years. In the 2016/17 the Webster E.S. attendance area is projected to have 484 K-5 resident students.

The Willard Elementary School attendance area currently has 526 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Willard E.S. attendance area is projected to have 501 K-5 resident students.
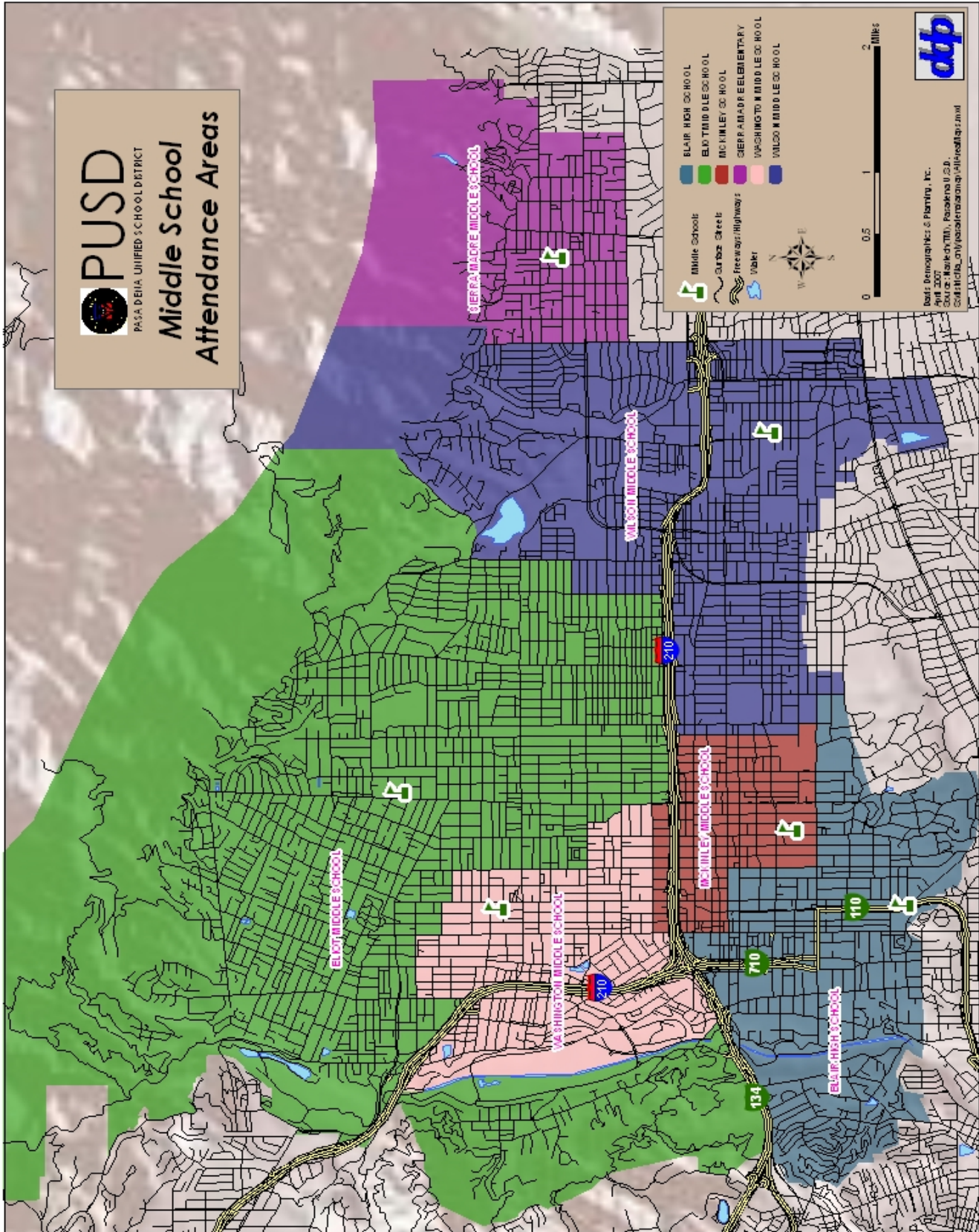
Middle School Projections by Residence

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Attendance Area BLAIR HIGH SCHOOL   Projection Date  10/7/2009
        ACTUAL                    PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K        42.0    38.7    40.6    42.7    42.0    42.5    42.5    42.5
1        44.0    41.0    38.3    39.8    42.2    41.7    41.4    41.4
2        36.0    38.4    35.0    33.0    34.0    36.4    35.6    36.2
3        30.0    34.2    36.3    32.8    31.8    31.9    34.1    33.4
4        30.0    28.0    31.9    34.1    31.7    28.9    30.0    32.0
5        26.0    28.7    26.9    30.4    32.8    29.9    28.2    29.2
6        28.0    23.9    26.6    25.0    28.7    30.6    27.6    25.3
7        33.0    28.0    23.2    27.1    24.5    28.2    30.6    27.8
8        20.0    31.2    26.6    22.7    25.5    23.5    26.5    29.0

K-5     208.0   209.0   209.0   212.8   214.5   211.3   211.8   214.7
6-8      81.0    83.1    76.4    74.8    78.7    82.3    84.7    82.1


Attendance Area ELIOT MIDDLE SCHOOL   Projection Date  10/7/2009
        ACTUAL                    PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       546.0   522.6   552.8   549.9   494.6   535.7   535.7   535.7
1       581.0   561.0   536.9   562.0   562.8   508.1   549.2   549.2
2       533.0   545.1   523.2   500.7   523.1   526.2   472.8   512.3
3       580.0   514.5   522.3   501.5   480.3   501.7   503.1   452.7
4       592.0   578.7   509.3   517.8   496.4   477.7   498.2   498.9
5       563.0   575.7   564.0   494.9   501.8   482.8   459.1   483.0
6       530.0   534.3   544.0   533.9   467.2   478.5   457.0   439.7
7       554.0   517.5   522.1   532.1   522.0   457.5   466.9   441.4
8       603.0   538.8   503.7   506.3   513.4   506.9   442.9   449.6

K-5    3395.0  3297.6  3208.5  3126.8  3059.0  3032.2  3018.1  3031.8
6-8    1687.0  1590.6  1569.8  1572.3  1502.6  1442.9  1366.8  1330.7


Attendance Area MCKINLEY SCHOOL   Projection Date  10/7/2009
        ACTUAL                    PROJECTED RESIDENT STUDENTS
        2009    2010    2011    2012    2013    2014    2015    2016
K       101.0    98.9    97.4   102.0   102.4   103.5   103.5   103.5
1        98.0   104.5   103.3   101.2   105.6   106.2   106.6   106.6
2        88.0    86.4    91.3    89.8    88.2    92.5    92.6    93.5
3        80.0    81.5    78.7    84.4    83.6    81.8    85.3    85.4
4        74.0    74.7    75.7    74.7    78.9    77.2    75.9    79.5
5        71.0    68.8    69.2    70.4    68.6    72.7    71.4    70.6
6        69.0    70.5    67.2    67.2    69.3    67.7    71.9    70.8
7        61.0    66.3    66.6    65.4    64.7    66.7    65.2    69.5
8        59.0    57.0    62.2    63.7    61.4    61.3    62.2    60.6

K-5     512.0   514.8   515.6   522.5   527.3   533.9   535.3   539.1
6-8     189.0   193.8   196.0   196.3   195.4   195.7   199.3   200.9
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

Middle School Projections by Residence

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Attendance Area SIERRA MADRE ELEMENTARY   Projection Date  10/7/2009
        ACTUAL                  PROJECTED RESIDENT STUDENTS
        2009     2010     2011     2012     2013     2014     2015     2016
K       89.0     73.0     74.6     71.2     71.2     80.1     80.1     80.1
1       76.0     94.5     76.7     79.4     73.9     76.7     83.5     83.5
2       63.0     76.7     95.2     77.4     80.1     74.6     77.4     85.6
3       71.0     69.2     83.6    104.1     85.6     87.2     81.9     83.5
4       85.0     71.0     69.2     83.6    104.1     85.6     87.2     81.9
5       52.0     84.7     70.8     68.2     83.6    103.4     83.5     86.3
6       61.0     51.5     82.8     69.0     67.0     82.5    100.6     81.9
7       62.0     61.0     51.8     83.1     69.8     67.2     82.6    101.3
8       53.0     66.3     65.5     55.6     88.0     73.6     71.4     88.4

K-5    436.0    469.1    470.1    483.9    498.5    507.6    493.6    500.9
6-8    176.0    178.8    200.1    207.7    224.8    223.3    254.6    271.6


Attendance Area WASHINGTON MIDDLE SCHOOL   Projection Date  10/7/2009
        ACTUAL                  PROJECTED RESIDENT STUDENTS
        2009     2010     2011     2012     2013     2014     2015     2016
K      450.0    431.1    431.1    419.7    408.0    441.3    441.3    441.3
1      511.0    465.8    446.8    445.8    434.5    422.7    455.0    455.0
2      441.0    451.8    411.9    394.2    393.8    382.7    372.3    401.3
3      443.0    427.2    439.3    399.5    381.5    381.1    369.9    360.1
4      413.0    422.0    406.3    415.3    378.8    363.1    362.8    352.0
5      457.0    399.7    407.9    393.1    401.8    366.9    349.8    348.6
6      455.0    439.1    383.3    391.4    378.1    386.5    352.9    337.8
7      371.0    434.1    416.9    363.7    370.4    361.1    365.7    336.2
8      434.0    362.4    424.2    408.1    354.5    362.7    351.4    358.4

K-5   2715.0   2597.6   2543.3   2467.6   2398.4   2357.8   2351.1   2358.3
6-8   1260.0   1235.6   1224.4   1163.2   1103.0   1110.3   1070.0   1032.4


Attendance Area WILSON MIDDLE SCHOOL   Projection Date  10/7/2009
        ACTUAL                  PROJECTED RESIDENT STUDENTS
        2009     2010     2011     2012     2013     2014     2015     2016
K      254.0    252.8    237.0    252.6    258.2    256.8    256.8    256.8
1      247.0    270.2    269.6    253.0    264.9    275.6    274.9    274.9
2      237.0    239.1    258.4    261.0    243.5    254.7    264.9    263.8
3      242.0    227.6    227.9    250.5    250.3    234.4    245.1    255.1
4      224.0    230.1    219.4    219.1    239.3    239.0    222.9    237.6
5      243.0    222.9    230.4    218.5    220.1    238.0    238.0    221.6
6      214.0    236.7    218.1    225.1    213.1    213.0    233.7    234.1
7      216.0    205.4    226.8    209.7    214.2    201.0    202.8    223.3
8      179.0    208.8    198.8    222.1    202.8    210.5    199.2    201.1

K-5   1447.0   1442.7   1442.7   1454.7   1476.3   1498.5   1502.6   1509.8
6-8    609.0    650.9    643.7    656.9    630.1    624.5    635.7    658.5
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

Middle School Attendance Area Student Population Projection Trends
Note: The following analysis is based upon students residing within the P.U.S.D. boundaries only and excludes Special Education students.

The Pasadena Unified School District is projected to decline from 4,258 current 6-8 resident students to 3,804 6-8 students in 2016/17 school year. The resident 6-8 student population is projected to decline annually throughout the projection timeframe.

The Blair High School attendance area currently has 81 6-8 resident students. The 6-8 resident student population is expected to remain stable throughout the projection timeframe. The Blair H.S. attendance area is projected to fluctuate from 74 to 84 6-8 resident students in the next seven years with a 6-8 resident student population of 82 in the 2016/17 school year.

The Eliot Middle School attendance area currently has 1,687 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Eliot M.S. attendance area is projected to have 1,330 6-8 resident students.

The McKinley School attendance area currently has 189 6-8 resident students. The 6-8 resident student population is expected to remain stable throughout the projection timeframe. The McKinley School attendance area is projected to fluctuate from 189 to 200 6-8 resident students in the next seven years with a 6-8 resident student population of 200 in the 2016/17 school year.

The Sierra Madre Middle School attendance area currently has 176 6-8 resident students. The attendance area is expected to have annual increases for the next seven years. In the 2016/17 the Sierra Madre M.S. attendance area is projected to have 271 6-8 resident students. An increase in current and future elementary student population size is the driving factor behind the future projected increase.

The Washington Middle School attendance area currently has 1,260 6-8 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Washington M.S. attendance area is projected to have 1,032 6-8 resident students. This decline can be attributed to the annual decrease in resident students from grade to grade. The mobility for the elementary schools in the Washington M.S. area range from a 6% to 14% loss in each of the nine grades.

The Wilson Middle School attendance area currently has 609 6-8 resident students. The attendance area is expected to have small annual increases for the next seven years. In the 2016/17 the Wilson M.S. attendance area is projected to have 658 6-8 resident students. An increase in current and future elementary student population size is the driving factor behind the future projected increase.
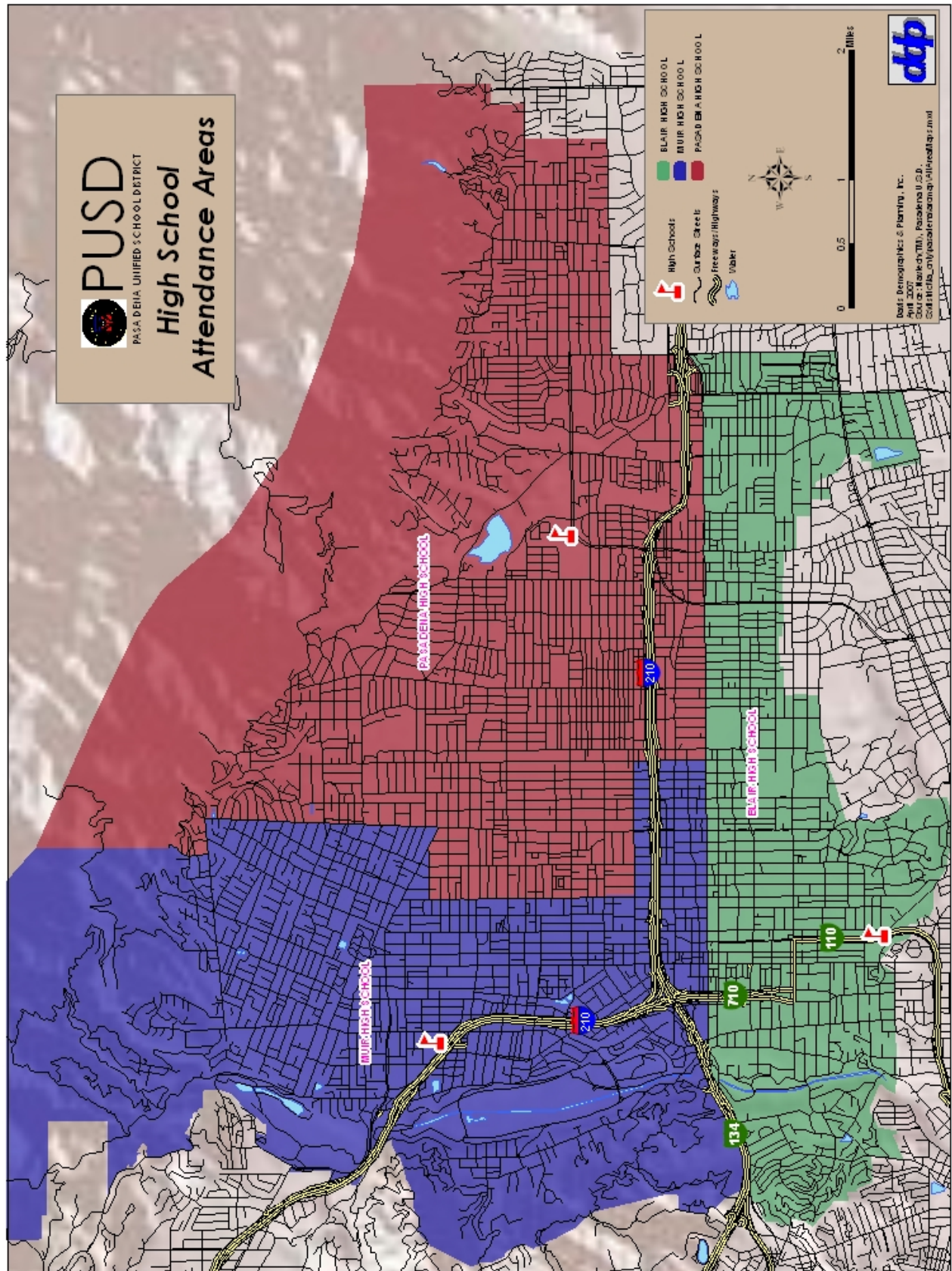
High School Projections by Residence

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Attendance Area BLAIR HIGH SCHOOL   Projection Date  10/7/2009
        ACTUAL                    PROJECTED RESIDENT STUDENTS
          2009     2010     2011     2012     2013     2014     2015     2016
K        212.0    208.1    200.2    212.9    217.3    215.7    215.7    215.7
1        200.0    218.9    216.9    208.1    219.7    225.7    223.3    223.3
2        188.0    185.5    202.6    200.9    191.1    202.4    207.8    206.4
3        189.0    183.1    178.3    195.2    194.4    184.9    196.0    200.8
4        175.0    175.0    168.5    167.0    182.2    179.6    171.2    182.5
5        177.0    170.2    170.1    164.4    161.6    176.7    175.4    167.1
6        149.0    171.3    164.4    166.0    160.0    156.1    171.5    169.6
7        170.0    146.1    166.8    162.1    160.4    154.7    152.8    167.0
8        144.0    163.9    140.7    162.2    155.6    157.2    149.6    147.5
9        118.0    134.5    154.3    133.1    152.3    146.7    147.7    141.5
10       137.0    108.1    122.9    140.8    120.2    138.1    133.5    133.8
11       115.0    129.4    102.1    115.1    133.5    114.0    130.6    127.1
12       120.0    101.7    114.9     89.4    102.5    117.6    101.0    116.1

K-5     1141.0   1140.8   1136.6   1148.5   1166.3   1185.0   1189.4   1195.8
6-8      463.0    481.3    471.9    490.3    476.0    468.0    473.9    484.1
9-12     490.0    473.7    494.2    478.4    508.5    516.4    512.8    518.5
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Attendance Area MUIR HIGH SCHOOL   Projection Date  10/7/2009
        ACTUAL                    PROJECTED RESIDENT STUDENTS
          2009     2010     2011     2012     2013     2014     2015     2016
K        735.0    691.0    710.0    708.0    662.9    717.7    717.7    717.7
1        821.0    757.8    714.3    729.3    728.6    681.6    735.5    735.5
2        722.0    745.0    683.6    644.5    659.1    659.3    614.0    664.3
3        757.0    693.3    715.3    656.0    616.8    630.3    628.3    587.8
4        753.0    732.4    668.4    686.2    630.4    593.1    607.8    606.0
5        769.0    734.8    717.2    651.8    670.5    614.8    576.0    590.5
6        742.0    736.8    700.8    683.0    623.2    643.9    587.9    554.9
7        664.0    725.9    719.2    686.8    667.0    610.0    626.1    574.5
8        758.0    646.0    704.4    699.5    664.2    649.5    589.5    607.9
9        709.0    739.3    631.1    687.5    683.4    651.7    633.2    580.3
10       726.0    662.6    691.2    591.3    646.0    640.7    611.8    594.3
11       657.0    660.8    603.3    629.3    538.2    587.5    585.3    557.8
12       636.0    582.7    582.3    534.2    558.7    479.7    519.8    516.9

K-5     4557.0   4354.3   4208.8   4075.8   3968.3   3896.8   3879.3   3901.8
6-8     2164.0   2108.7   2124.4   2069.3   1954.4   1903.4   1803.5   1737.3
9-12    2728.0   2645.4   2507.9   2442.3   2426.3   2359.6   2350.1   2249.3
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

High School Projections by Residence

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Attendance Area PASADENA HIGH SCHOOL   Projection Date  10/7/2009
         ACTUAL                    PROJECTED RESIDENT STUDENTS
          2009     2010     2011     2012     2013     2014     2015     2016
K        535.0    518.0    523.3    517.2    496.2    526.5    526.5    526.5
1        536.0    560.3    540.4    543.8    535.6    523.7    551.8    551.8
2        488.0    507.0    528.8    510.7    512.5    505.4    493.8    522.0
3        500.0    477.8    494.5    521.6    501.9    502.9    495.1    481.6
4        490.0    497.1    474.9    491.4    516.6    498.8    498.0    493.4
5        466.0    475.5    481.9    459.3    476.6    502.2    478.6    481.7
6        466.0    447.9    456.8    462.6    440.2    458.8    484.3    465.1
7        463.0    440.3    421.4    432.2    438.2    417.0    434.9    458.0
8        446.0    454.6    435.9    416.8    425.8    431.8    414.5    431.7
9        448.0    468.0    473.6    449.8    437.1    432.2    444.6    429.4
10       499.0    415.8    433.5    434.7    415.0    405.9    397.3    411.3
11       434.0    468.0    390.8    408.2    410.1    392.1    383.1    378.5
12       439.0    414.9    449.9    372.7    390.5    392.4    370.3    366.5

K-5     3015.0   3035.7   3043.8   3044.0   3039.4   3059.5   3043.8   3057.0
6-8     1375.0   1342.8   1314.1   1311.6   1304.2   1307.6   1333.7   1354.8
9-12    1820.0   1766.7   1747.8   1665.4   1652.7   1622.6   1595.3   1585.7
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Does not include Special Education students and Students residing outside of the PUSD district boundaries.

High School Attendance Area Student Population Projection Trends
Note: The following analysis is based upon students residing within the P.U.S.D. boundaries only and excludes Special Education students.

The Pasadena Unified School District is projected to decline form 5,038 current 9-12 resident students to 4,353 9-12 students in 2016/17 school year. The resident 9-12 student population is projected to decline annually throughout the projection timeframe.

The Blair High School attendance area currently has 490 9-12 resident students. The 9-12 resident student population is expected to increase to around 473 9-12 resident students by the 2010/2011 school year. After the initial decline the Blair H.S. attendance area is projected to increase with a 9-12 resident student population of 518 in the 2016/17 school year.

The Muir High School attendance area currently has 2,728 9-12 resident students. The attendance area is expected to decline annually for the next seven years. In 2016/17 the Muir H.S. attendance area is projected to have 2,249 9-12 resident students. This decline can be attributed to the annual decrease in resident students from grade to grade. The majority of mobility factors for the elementary and middle schools in the Muir H.S. area are showing a net negative migration.

The Pasadena High School attendance area currently has 1,820 9-12 resident students. The attendance area is expected to decline annually for the next seven years. In the 2016/17 the Pasadena H.S. attendance area is projected to have 1,585 9-12 resident students. There are areas of growth in the PHS area but the net effect will be an overall decline in the 9-12 resident student population.

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ATTENDANCE MATRICES

Three Attendance Matrices have been included to provide a better understanding of where students reside and where they attend school. **Remember, our projections are based upon where the students reside, not where they attend school. We use the actual location of where the students reside, as opposed to their school of enrollment, in order to provide the most accurate depiction of where future facilities (if necessary) should be located**. Therefore, since the projections are based upon where the students reside, the figures we use as a base for each school's resident projection may be slightly higher or lower than the actual reported enrollment for each school.

These attendance matrices act as checks and balances for student accounting. They show where the students reside (in what School of Residence) based upon our address matching capabilities and what school they attend (School of Attendance) based upon data in the student file supplied by the District. The inclusion of these matrices is essential to showing how the students used in the projections match up to the District's records of enrollment for each school. The best way to plan for future facilities is to know where the next group of students will be coming from, not necessarily which school they are currently attending.

READING THE MATRIX

Looking at the K-6 Elementary School Attendance Matrix, let's begin with Altadena as an example. Following down the first column with the Altadena heading, there are 175 K-6 grade students who attend Altadena *and* reside in the Altadena attendance area. Continuing downward, 8 students attend Altadena who reside in the Burbank attendance area. Next it shows 9 students attending Altadena who reside in the Cleveland attendance area, and so on.

The row Out of District refers to students who live completely outside of the Pasadena Unified School District, but attend one of the District's schools. There are 3 Out of District students attending Altadena. Special Education, refers to special education students attending the school. There are 31 special education students attending Altadena. Unmatched, refers to students who were unmatched due to incomplete address data (including P.O. Boxes). There are no unmatched students who attend Altadena. Total Attendance shows the total number of students attending a school regardless of where they reside, and should reflect the District's enrollment counts for each school. There are a total of 314 students attending Altadena.

Reading across the matrix, beginning with the Altadena attendance area row, 175 represents the total number of K-6 grade students who reside in the Altadena attendance area and attend Altadena. The next column, Burbank, refers to the number of K-6 grade students who reside in the Altadena attendance area, but attend Burbank. There are currently 14 students who reside in the Altadena attendance area and attend Burbank.

The Total # of Students column is the total number of students living in that particular attendance area. There are 475 K-6 students residing in the Altadena attendance area

School of Residence	TOTAL # OF STUDENTS RESIDING IN EACH ATTENDANCE AREA	ALTADENA ES	BURBANK ES	CLEVELAND ES	FIELD ES	FRANKLIN ES	HAMILTON ES	JACKSON ES	JEFFERSON ES	LOMA ALTA ES	LONGFELLOW ES	MADISON ES	MCKINLEY ES	ROOSEVELT ES	SAN RAFAEL ES	SIERRA MADRE ES	WASHINGTON ES	WEBSTER ES	WILLARD ES	DON BENITO	NORMA COOMBS	OAK KNOLL	TOTAL # OF STUDENTS RESIDING IN EACH ATTENDANCE AREA	# OF RESIDENTS ATTENDING SCHOOL OF RESIDENCE	% OF RESIDENTS ATTENDING SCHOOL OF RESIDENCE
ALTADENA E.S.	419	175	12	6	7	12	2	15	6	13	22	10	11	8	7	8	54	4	5	17	25	0	419	175	42%
BURBANK E.S.	327	8	108	0	7	2	13	1	8	4	7	3	20	0	5	41	0	20	10	43	27	0	327	108	33%
CLEVELAND E.S.	530	9	17	216	10	1	17	10	11	7	28	18	19	14	32	5	50	8	21	19	18	0	530	216	41%
FIELD E.S.	451	0	5	3	155	0	10	0	8	1	0	1	9	1	6	45	1	12	5	147	42	0	451	155	34%
FRANKLIN E.S.	517	21	14	4	10	236	3	20	7	34	15	3	22	2	11	8	7	8	17	45	30	0	517	236	46%
HAMILTON E.S.	490	0	8	1	10	0	332	0	34	1	3	3	22	3	7	9	0	7	17	24	9	0	490	332	68%
JACKSON E.S.	572	11	21	14	10	58	6	254	11	18	8	4	18	6	22	8	27	7	10	25	34	0	572	254	44%
JEFFERSON E.S.	485	2	3	1	10	2	12	3	300	5	20	15	18	1	3	6	7	9	9	29	30	0	485	300	62%
LOMA ALTA E.S.	295	13	29	1	9	6	11	3	1	87	10	1	15	0	2	19	2	8	9	43	26	0	295	87	29%
LONGFELLOW E.S.	463	9	15	2	15	2	6	1	27	1	239	12	26	3	9	14	14	14	7	25	22	0	463	239	52%
MADISON E.S.	579	6	39	0	11	3	1	1	32	6	26	318	35	9	10	1	27	7	4	26	17	0	579	318	55%
MCKINLEY SCHOOL	638	3	3	1	5	0	21	2	28	8	4	8	458	11	16	4	5	3	8	43	7	0	638	458	72%
ROOSEVELT E.S.	321	3	5	4	5	0	2	0	13	2	9	15	17	125	64	1	26	7	2	11	10	0	321	125	39%
SAN RAFAEL E.S.	69	0	0	0	1	0	6	0	1	0	1	0	11	1	35	1	0	0	1	11	0	0	69	35	51%
SIERRA MADRE E.S.	436	1	0	0	2	1	0	4	0	0	1	0	0	1	0	409	0	3	0	10	4	0	436	409	94%
WASHINGTON E.S.	1,097	18	9	31	44	12	6	23	46	10	71	87	28	21	47	39	523	20	13	25	24	0	1,097	523	48%
WEBSTER E.S.	498	0	17	0	9	0	18	0	45	3	7	2	14	2	6	39	0	224	26	53	33	0	498	224	45%
WILLARD E.S.	526	1	2	2	12	0	12	0	1	1	0	1	9	0	0	17	0	3	431	23	11	0	526	431	82%
OUT OF DISTRICT	183	3	8	1	13	0	18	4	14	4	9	3	24	4	19	6	4	6	24	13	6	0	183		
SPECIAL EDUCATION	192	31	5	5	2	4	21	0	0	15	4	5	0	34	3	0	0	13	19	15	5	11	192		
UNMATCHED	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1		
TOTAL STUDENTS ATTENDING	9,089	314	320	292	347	339	517	341	593	220	484	509	777	246	304	680	747	383	638	647	380	11	9,089		
# OF TRANSFERS IN		108	207	71	190	99	164	87	293	118	241	186	318	87	266	271	224	146	188						
% OF TRANSFERS IN		34%	65%	24%	55%	29%	32%	26%	49%	54%	50%	37%	41%	35%	88%	40%	30%	38%	29%						

School of Residence	TOTAL # OF STUDENTS RESIDING IN EACH ATTENDANCE AREA	Middle School of Attendance						Elementary School of Attendance											Other School of Attendance				TOTAL # OF STUDENTS RESIDING IN EACH ATTENDANCE AREA	# OF RESIDENTS ATTENDING SCHOOL OF RESIDENCE	% OF RESIDENTS ATTENDING SCHOOL OF RESIDENCE
		BLAIR HS	ELIOT MS	MCKINLEY	SIERRA MADRE	WASHINGTON	WILSON	BURBANK	CLEVELAND	FIELD	FRANKLIN	HAMILTON	JACKSON	JEFFERSON	LOMA ALTA	LONGFELLOW	ROOSEVELT	SAN RAFAEL	DON BENITO	MARSHALL	MARSHALL	OAK KNOLL			
BLAIR H.S.	81	14	0	47	1	1	2	0	1	0	0	2	0	0	0	0	0	4	2	7	0	0	81	14	17%
ELIOT M.S.	1,687	73	588	89	70	52	131	22	6	8	43	4	19	1	17	23	2	8	23	394	114	0	1,687	588	35%
MCKINLEY SCHOOL	189	11	3	131	1	2	9	1	0	4	0	0	0	0	0	1	2	1	3	18	2	0	189	131	69%
SIERRA MADRE	176	0	3	0	161	0	1	0	0	0	0	0	1	0	0	0	0	0	1	5	4	0	176	161	91%
WASHINGTON M.S.	1,260	90	84	73	26	461	100	11	28	14	5	9	19	1	6	13	23	22	7	229	39	0	1,260	461	37%
WILSON M.S.	609	22	5	28	45	3	279	0	0	16	0	47	0	0	0	0	1	2	18	102	41	0	609	279	46%
OUT OF DISTRICT	87	17	5	10	16	3	13	1	0	3	0	2	0	0	0	1	0	3	1	10	2	0	87		
SPECIAL EDUCATION	169	1	36	9	14	16	31	3	2	1	0	2	0	0	4	1	14	0	6	13	6	10	169		
TOTAL STUDENTS ATTENDING	4,258	228	724	387	334	538	566	38	37	46	48	66	39	2	27	39	42	40	61	778	208	10	4,258		
# OF TRANSFERS IN		213	100	247	159	61	256																		
% OF TRANSFERS IN		93%	14%	64%	48%	11%	45%																		

High School (9-12) Attendance Matrix

School of Residence	TOTAL # OF STUDENTS RESIDING IN EACH ATTENDANCE AREA	High School of Attendance			Other School of Attendance				TOTAL # OF STUDENTS RESIDING IN EACH ATTENDANCE AREA	# OF RESIDENTS ATTENDING SCHOOL OF RESIDENCE	% OF RESIDENTS ATTENDING SCHOOL OF RESIDENCE
		BLAIR HS	MUIR HS	PASADENA HS	MARSHALL FUND	ROSE CITY CONT.	OAK KNOLL	ROOSEVELT ELM			
BLAIR HS	490	205	12	189	64	20	0	0	490	205	42%
MUIR HS	2,728	386	973	745	452	172	0	0	2,728	973	36%
PASADENA HS	1,820	112	51	1,153	441	63	0	0	1,820	1,153	63%
OUT OF DISTRICT	159	82	8	32	23	14	0	0	159		
SPECIAL EDUCATION	288	30	111	68	52	0	11	16	288		
TOTAL STUDENTS ATTENDING	5,485	815	1,155	2,187	1,032	269	11	16	5,485		
# OF TRANSFERS IN		580	71	966							
% OF TRANSFERS IN		71%	6%	44%							