



Issue Paper #2: School Enrollment and Capacity

1. Enrollment Projections

The Hillsboro School District Long Range Facility Plan includes student enrollment forecasts developed by the Portland State University Population Research Center and used for estimating long-term facility needs. The PSU Population Center has provided long-term projections for HSD in the past, with the most recent series of projections presented in [Hillsboro School District District-Wide Enrollment Forecast 2016-17 to 2030-31, Portland State University Population Research Center \(March, 2016 – Appendix C in Long Range Facility Plan\)](#).

These projections provide estimates of elementary, middle, and high school populations at the District level, with elementary projections also provided on a school by school basis. Table 1 shows actual elementary, middle, and high school enrollment for the year 2015/16 and projected enrollment for 2030/31. The Middle Series forecast was used to develop the recommendations in the Long Range Facility Plan.

Table 1: Actual and Projected Enrollment by Grade Level (2015/16 to 2030/31)

School Level	2015/16 Enrollment	2030/31 Enrollment Forecast – Low Series	2030/31 Enrollment Forecast – Middle Series	2030/31 Enrollment Forecast – High Series
K-6	11,212	11,239	12,121	13,007
K-6 Change	n/a	27	909	1,795
7-8	3,074	3,260	3,424	3,626
7-8 Change	n/a	186	350	552
9-12	6,363	6,606	6,838	7,171
9-12 Change	n/a	243	475	808
TOTAL	20,649	21,105	22,383	23,804
TOTAL Change	n/a	456	1,734	3,155
% Change from 2015/16		+2.2%	+8.4%	+15.3%



The Long Range Planning Committee felt that that 2030/31 forecasts may be low, especially considering the anticipated level of development in the South Hillsboro area. As well the Committee felt that a longer term forecast (at least 20 years) should be used to develop recommendations for a capital bond program. The District requested that PSU prepare a supplemental student enrollment forecast that extended the forecast year to 2040/41. Table 2 shows actual elementary, middle, and high school enrollment for the year 2015/16 and projected enrollment for 2040/41.

Table 2: Actual and Projected Enrollment by Grade Level (2015/16 to 2040/41)

School Level	2015/16 Enrollment	2040/41 Enrollment Forecast – Low Series	2040/41 Enrollment Forecast – Middle Series	2040/41 Enrollment Forecast – High Series
K-6	11,212	11,750	13,121	14,400
K-6 Change	n/a	538	1,909	3,188
7-8	3,074	3,381	3,687	4,026
7-8 Change	n/a	307	613	952
9-12	6,363	6,915	7,472	8,151
9-12 Change	n/a	552	1,109	1,788
TOTAL	20,649	22,046	24,280	26,577
TOTAL Change	n/a	1,397	3,631	5,928
% Change from 2015-16		+6.8%	+17.6%	+28.7%

Table 3 provides a comparison of the Middle Series between the two forecasts prepared by PSU.



Table 3: Comparison of Middle Series Forecasts Grade Level

School Level	2015/16 Enrollment	2030/31 Enrollment Forecast – Middle Series	2040/41 Enrollment Forecast – Middle Series
K-6	11,212	12,121	13,121
K-6 Change	n/a	909	1,909
7-8	3,074	3,424	3,687
7-8 Change	n/a	350	613
9-12	6,363	6,838	7,472
9-12 Change	n/a	475	1,109
TOTAL	20,649	22,383	24,280
TOTAL Change	n/a	1,734	3,631
% Change from 2015/16		+8.4%	+17.6%

2. School Capacity Determination

The 2016 Long Range Facility includes the following methodology for determining school capacity at all levels:

School Capacity Formula Plan Recommendation: Utilize the following capacity formulas to determine permanent and adjusted school capacities.

Permanent School Capacity Formula:



- *Number of Regular Classrooms x 28 students per classroom = Permanent Elementary School Capacity*
- *Number of Regular Classrooms x 32 students per classroom = Permanent Middle and High School Capacity*

Adjusted School Capacity Formula:

- *Permanent Elementary School Capacity + (Number of Portable Classrooms x 28 students per portable classroom) = Adjusted Elementary School Capacity*
- *Permanent Middle School/High School Capacity + (Number of Portable Classrooms x 32 students per portable classroom) = Adjusted Middle School/ High School Capacity*

Table 4 describes the application of the school capacity formula to the current and forecasted (2040/41) student enrollment by school level at the overall district level.

Table 4: Comparison of Existing School Capacity and Enrollment Forecast (Districtwide)

School Level	Permanent Capacity	Adjusted Capacity (with portables)	Current Enrollment (2015/16)	2040/41 Enrollment Forecast (Middle Series)	2040/41 Enrollment as a % of Permanent Capacity
K-6	12,768	14,028	11,212	13,121	102.8%
7-8	4,288	4,288	3,074	3,687	86%
9-12	7,360	7,392	6,363	7,472	101.5%
TOTAL	24,415	25,708	20,442	24,280	99.4%

As can be seen from Table 4, on a districtwide basis, the current existing student capacity of all schools has effectively reaches 100% by 2040/41. The forecasts did not project enrollment at the individual school level. However, as one might expect, the distribution of students and school capacity is not uniform across the district. The following tables show the current (2016) level of student enrollment to student capacity at individual schools throughout the district and provides a better understanding of where overcrowding is happening. (Note: Shading in Tables 5, 6, and 7 identifies schools that are at 80-90%, 90-100%, or more than 100% capacity.)



Table 5: Existing Elementary School Capacity (2015-16)

Elementary School	Acres	Gross SF	Number of Regular Classrooms	Permanent Capacity ¹	Number of Portable Classrooms	Adjusted Capacity ²	Actual Enrollment 9/15/15	% Permanent Capacity	% Adjusted Capacity
Brookwood	10.00	43,401	19	532	3	616	386	72.56%	62.66%
Butternut Creek	13.64	34,840	15	420	2	476	397	94.52%	83.40%
Eastwood	10.00	49,163	18	504	3	588	527	104.56%	89.63%
Farmington View	7.88	22,867	11	308	2	364	301	97.73%	82.69%
Free Orchards	11.26	73,500	23	644	0	644	403	62.58%	62.58%
Groner (K-8)	10.00	32,402	11	308	0	308	155	50.32%	50.32%
Imlay	8.68	69,435	19	532	2	588	530	99.62%	90.14%
Indian Hills	10.10	40,219	18	504	2	560	492	97.62%	87.86%
Jackson	10.00	50,767	19	532	3	616	528	99.25%	85.71%
Ladd Acres	15.00	60,825	24	672	2	728	531	79.02%	72.94%

¹ Based on 28 students per permanent “regular” classroom (includes full-day kindergarten rooms, but portables are not counted towards school capacity)

² Total school capacity including portable classrooms (permanent capacity + portable capacity), assuming 28 students per portable classroom



Lenox	9.95	51,074	19	532	0	532	484	90.98%	90.98%
Lincoln Street	11.79	73,400	22	616	0	616	560	90.91%	90.91%
McKinney	10.00	49,163	19	532	3	616	481	90.41%	78.08%
Minter Bridge	10.00	49,163	19	532	2	588	509	95.68%	86.56%
Mooberry	10.00	49,496	18	504	5	644	478	94.84%	74.22%
North Plains	14.00	46,913	16	448	0	448	298	66.52%	66.52%
Orenco	13.24	69,435	23	644	0	644	634	98.45%	98.45%
Patterson	10.00	69,435	19	532	2	588	459	86.28%	78.06%
Quatama	10.02	73,100	19	532	0	532	462	86.84%	86.84%
Reedville	7.50	16,247	10	280	5	420	251	89.64%	59.76%
Rosedale	9.01	73,700	20	560	0	560	404	72.14%	72.14%
Tobias	9.00	50,000	19	532	4	644	449	84.40%	69.72%
W.L. Henry	10.00	52,831	18	504	3	588	378	75.00%	64.29%
West Union	12.34	42,757	17	476	0	476	380	79.83%	79.83%
Witch Hazel	9.00	69,435	21	588	2	644	573	97.45%	88.98%
Total	271.0 1	1,313,568	456	12,76 8	45	14,02 8	11,05 0	86.54%	78.77%

Table 6: Existing Middle School Capacity (2015-16)

Middle School	Acres	Gross SF	Number of Regular Classrooms	Permanent Capacity ³	Number of Portable Classrooms	Adjusted Capacity	Actual Enrollment 9/17/15	% Permanent Capacity	% Adjusted Capacity
Brown	30.00	95,414	34	1,088	0	1,088	727	66.82%	66.82%
Evergreen	15.00	120,000	32	1,024	0	1,024	824	80.47%	80.47%
Poynter	19.58	83,200	33	1,056	0	1,056	761	72.06%	72.06%
South Meadows	9.67	153,000	35	1,120	0	1,120	739	65.98%	65.98%
Total	74.24	451,614	134	4,288	0	4,288	3,051	71.15%	71.15%

Table 7: Existing High School Capacity (2015-16)

³ Based on 32 students per permanent and portable classroom



High School	Acres	Gross SF	Number of Regular Classrooms	Permanent Capacity ⁴	Number of Portable Classrooms	Adjusted Total Capacity	Actual Enrollment 9/17/15	% Permanent Capacity	% Adjusted Capacity
Century	37.50	265,000	54	1,728	0	1,728	1,595	92.30%	92.30%
Glencoe	39.00	240,000	51	1,632	0	1,632	1,661	101.78%	101.78%
Hilhi	48.00	253,625	63	2,016	1	2,048	1,417	70.29%	69.19%
Liberty	44.00	288,897	58	1,856	0	1,856	1,585	85.40%	85.40%
Miller Ed Center	3.00	20,552	4	128		128	62	48.44%	48.44%
Total	171.50	1,068,074	230	7,360	1	7,392	6,320	85.50%	85.87%

3. Why this is Relevant to the Bond Program

Tables 5 -7 show the current distribution of students at all three levels compared to existing school capacities.

High Schools: Two of the four comprehensive high schools (Century @ 92% and Glencoe @ 102%) are currently at available capacity in 2016. With overall high school enrollment forecasted to increase by roughly 1,100 new students by 2040, additional high school capacity may be needed by 2040.

Middle Schools: An additional 600 new middle school students forecasted by 2040 indicates that there may be a need for one additional middle school to accommodate the anticipated increase in students at this level by 2040.

Elementary Schools: Over half (13) of the District's 25 elementary schools are currently above 90% capacity. When you compare the location of the schools that are at capacity with the location of anticipated future growth in the District and the forecast for almost 2,000 new elementary school students, it is apparent that additional capacity at the elementary school level will be needed in both the short-term and long-term.

4. Conclusion

⁴ Based on 32 students per permanent and portable classroom



The 2016 HSD Facilities Plan estimated the need for up to three new elementary school and one middle school by 2030/31. It did not identify the need for a new comprehensive high school during this time period. Extending the student enrollment forecast to 2040/41 certainly validates the needs at the elementary and middle school level and brings into question the need for one new comprehensive high school during this extended time period.