## Planning for the Schools of Tomorrow



School Enrollment Projections Series Green Bay Area Public School District

September 2016

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## Introduction

This report offers a summary of the Enrollment Projection Analysis completed for the Green Bay Area Public School District by the Applied Population Laboratory, University of Wisconsin-Madison. Projections (2016/17-2025/26) are provided for the district as a whole, by grade grouping, and for each individual grade.

## $3^{\text {rd }}$ Friday District Enrollment History

Figure 1-A and Tables 1 and 2 display the last ten years of $3^{\text {rd }}$ Friday enrollment history and the change in enrollment over time for the Green Bay Area Public School District.

table 1
Student 3rd Friday Enrollment
Green Bay Area Public School District

|  | SCHOOL YEAR |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 06-07 | 07-08 | 08-09 | 09-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 |
| 4K |  |  | 1,148 | 1,185 | 1,305 | 1,331 | 1,405 | 1,377 | 1,314 | 1,322 |
| K | 1,521 | 1,508 | 1,580 | 1,572 | 1,491 | 1,641 | 1,667 | 1,732 | 1,561 | 1,611 |
| 1 | 1,514 | 1,473 | 1,504 | 1,568 | 1,543 | 1,464 | 1,600 | 1,644 | 1,725 | 1,571 |
| 2 | 1,468 | 1,493 | 1,447 | 1,490 | 1,539 | 1,526 | 1,487 | 1,603 | 1,596 | 1,670 |
| 3 | 1,417 | 1,444 | 1,511 | 1,425 | 1,457 | 1,528 | 1,516 | 1,476 | 1,570 | 1,572 |
| 4 | 1,422 | 1,393 | 1,438 | 1,495 | 1,411 | 1,450 | 1,524 | 1,535 | 1,450 | 1,566 |
| 5 | 1,406 | 1,378 | 1,397 | 1,403 | 1,499 | 1,403 | 1,432 | 1,494 | 1,514 | 1,435 |
| 6 | 1,430 | 1,381 | 1,362 | 1,358 | 1,381 | 1,426 | 1,362 | 1,426 | 1,457 | 1,478 |
| 7 | 1,400 | 1,418 | 1,397 | 1,357 | 1,341 | 1,376 | 1,419 | 1,369 | 1,423 | 1,463 |
| 8 | 1,455 | 1,379 | 1,422 | 1,395 | 1,385 | 1,331 | 1,359 | 1,399 | 1,375 | 1,430 |
| 9 | 1,556 | 1,509 | 1,418 | 1,452 | 1,409 | 1,383 | 1,337 | 1,384 | 1,404 | 1,371 |
| 10 | 1,684 | 1,550 | 1,515 | 1,417 | 1,419 | 1,448 | 1,360 | 1,353 | 1,391 | 1,395 |
| 11 | 1,636 | 1,647 | 1,544 | 1,510 | 1,445 | 1,443 | 1,428 | 1,388 | 1,351 | 1,370 |
| 12 | 1,709 | 1,662 | 1,727 | 1,582 | 1,610 | 1,569 | 1,513 | 1,531 | 1,515 | 1,439 |
| TOTAL | 19,618 | 19,235 | 20,410 | 20,209 | 20,235 | 20,319 | 20,409 | 20,711 | 20,646 | 20,693 |
| K-12 | 19,618 | 19,235 | 19,262 | 19,024 | 18,930 | 18,988 | 19,004 | 19,334 | 19,332 | 19,371 |
| K-5 | 8,748 | 8,689 | 8,877 | 8,953 | 8,940 | 9,012 | 9,226 | 9,484 | 9,416 | 9,425 |
| 6-8 | 4,285 | 4,178 | 4,181 | 4,110 | 4,107 | 4,133 | 4,140 | 4,194 | 4,255 | 4,371 |
| 9-12 | 6,585 | 6,368 | 6,204 | 5,961 | 5,883 | 5,843 | 5,638 | 5,656 | 5,661 | 5,575 |

TABLE 2
Student 3rd Friday Enrollment Changes
Green Bay Area Public School District

| GRADE | ABSOLUTE CHANGE |  |  | PERCENT CHANGE |  |  | AVERAGE ANNUAL PERCENT CHANGE |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | '06 to '15 | '06 to '10 | '11 to '15 | '06 to '15 | '06 to '10 | '11 to '15 | '06 to '15 | '06 to '10 | '11 to '15 |
| 4K | 1,322 | 1,305 | -9 | - | - | -0.7 | - | - | -0.2 |
| K | 90 | -30 | -30 | 5.9 | -2.0 | -1.8 | 0.7 | -0.5 | -0.5 |
| 1 | 57 | 29 | 107 | 3.8 | 1.9 | 7.3 | 0.4 | 0.5 | 1.8 |
| 2 | 202 | 71 | 144 | 13.8 | 4.8 | 9.4 | 1.5 | 1.2 | 2.4 |
| 3 | 155 | 40 | 44 | 10.9 | 2.8 | 2.9 | 1.2 | 0.7 | 0.7 |
| 4 | 144 | -11 | 116 | 10.1 | -0.8 | 8.0 | 1.1 | -0.2 | 2.0 |
| 5 | 29 | 93 | 32 | 2.1 | 6.6 | 2.3 | 0.2 | 1.7 | 0.6 |
| 6 | 48 | -49 | 52 | 3.4 | -3.4 | 3.6 | 0.4 | -0.9 | 0.9 |
| 7 | 63 | -59 | 87 | 4.5 | -4.2 | 6.3 | 0.5 | -1.1 | 1.6 |
| 8 | -25 | -70 | 99 | -1.7 | -4.8 | 7.4 | -0.2 | -1.2 | 1.9 |
| 9 | -185 | -147 | -12 | -11.9 | -9.4 | -0.9 | -1.3 | -2.4 | -0.2 |
| 10 | -289 | -265 | -53 | -17.2 | -15.7 | -3.7 | -1.9 | -3.9 | -0.9 |
| 11 | -266 | -191 | -73 | -16.3 | -11.7 | -5.1 | -1.8 | -2.9 | -1.3 |
| 12 | -270 | -99 | -130 | -15.8 | -5.8 | -8.3 | -1.8 | -1.4 | -2.1 |
| TOTAL | 1,075 | 617 | 374 | 5.5 | 3.1 | 1.8 | 0.6 | 0.8 | 0.5 |
| K-12 | -247 | -688 | 383 | -1.3 | -3.5 | 2.0 | -0.1 | -0.9 | 0.5 |
| K-5 | 677 | 192 | 413 | 7.7 | 2.2 | 4.6 | 0.9 | 0.5 | 1.1 |
| 6-8 | 86 | -178 | 238 | 2.0 | -4.2 | 5.8 | 0.2 | -1.0 | 1.4 |
| 9-12 | -1,010 | -702 | -268 | -15.3 | -10.7 | -4.6 | -1.7 | -2.7 | -1.1 |

Figure 1-B shows $3^{\text {rd }}$ Friday enrollment history broken down by grade groupings ( $4 \mathrm{~K}, \mathrm{~K}-5,6-8$, and 9-12).


Figure 1-C shows the age structure in the Fall of 2015 of the student population with the number of 4 year-old kindergarteners at the bottom and the number of $12^{\text {th }}$ graders at the top.


## Kindergarten Enrollment Trends

Examining trends in kindergarten enrollment is particularly informative for gaining perspective on future district enrollment, as today's kindergartners will gradually make up tomorrow's students at the higher grade levels as they age and move through the school system. Figure 2-A shows kindergarten enrollment history in black, and trend lines depicting kindergarten enrollment in red and blue. The long term trend shows an increasing trend in enrollment, while the recent trend shows a decline in kindergarten enrollment. The recent trend will be used to project future kindergartners in the Kindergarten Trend model found later in the report.


In addition to examining kindergarten enrollment on its own, comparing kindergarten enrollment to outgoing $12^{\text {th }}$ graders offers a snapshot of how the age structure of district enrollment is shifting either from older to younger, or younger to older. Table 2-B shows kindergarten replacement. In the Green Bay Area Public School District, for the first five years kindergarteners did not replace outgoing $12^{\text {th }}$ graders. However, the last five years kindergartners have replaced outgoing $12^{\text {th }}$ graders.


## Birth Trends and Projections

We use historical and projected birth data to forecast the number of kindergarten students who will enroll in the Green Bay Area Public School District in future years. Figure 3 shows (in black) the number of births to mothers living in municipalities that fall within school district boundaries, by year, from 1997-2014, as collected from the Wisconsin Department of Health Services. We count resident births from the City of Green Bay, villages of Allouez and Bellevue, and the towns of Eaton and Humboldt. We extrapolate these birth trends into the future to correspond with our baseline and recent trend projection models, using the B:K grade progression ratios to transform births into future kindergarteners. The red line represents birth trends over the longer term (between 1997 and 2014). The blue line examines birth patterns for the last seven years and corresponds to the recent trend projection models shown later in this report. Both trends are increasing.


Source: WI Department of Health Services

## Population Estimates

This section examines population trends for municipalities that fall within the Green Bay Area Public School District. Changes in the total population of the district area, particularly when examined by age, provide clues into how the school age population may be changing.

Table 3 and Figures 4-A and 4-B provide U. S. Census population counts and Wisconsin Department of Administration (DOA) estimates for district area municipalities from 2010 to 2015. These municipal populations can be compared with estimates for Brown Country and the State of Wisconsin. The last five years' population estimates indicate continued general population growth in the district area.

TABLE 3
Total Population by Municipality: 2010-2015
Green Bay Area Public School District

| Municipality | POPULATION |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Census } \\ 2010 \end{gathered}$ | $\begin{gathered} \text { est. } \\ 2011 \end{gathered}$ | $\begin{aligned} & \text { est. } \\ & 2012 \end{aligned}$ | $\begin{gathered} \text { est. } \\ 2013 \end{gathered}$ | $\begin{gathered} \text { est. } \\ 2014 \end{gathered}$ | $\begin{gathered} \text { est. } \\ 2015 \end{gathered}$ |
| C. Green Bay | 104,057 | 104,250 | 104,250 | 104,300 | 104,710 | 105,051 |
| V. Allouez | 13,975 | 13,966 | 13,959 | 13,932 | 13,795 | 13,790 |
| V. Bellevue | 14,570 | 14,624 | 14,650 | 14,697 | 14,760 | 15,047 |
| T. Eaton | 1,508 | 1,515 | 1,522 | 1,526 | 1,532 | 1,566 |
| T. Green Bay | 2,035 | 2,040 | 2,047 | 2,046 | 2,045 | 2,074 |
| T. Humboldt | 1,311 | 1,316 | 1,309 | 1,317 | 1,303 | 1,319 |
| District Area | 137,456 | 137,711 | 137,737 | 137,818 | 138,145 | 138,847 |
| Brown County | 248,007 | 249,192 | 250,281 | 251,495 | 253,156 | 255,376 |
| State of Wisconsin | 5,686,986 | 5,694,236 | 5,703,525 | 5,717,110 | 5,732,981 | 5,753,324 |


|  | PERCENT CHANGE |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Municipality | $\mathbf{2 0 1 0}$ to <br> $\mathbf{2 0 1 1}$ | $\mathbf{2 0 1 1}$ to <br> $\mathbf{2 0 1 2}$ | $\mathbf{2 0 1 2}$ to <br> $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 3}$ to <br> $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 4}$ to <br> $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 0}$ to <br> $\mathbf{2 0 1 5}$ |
| C. Green Bay | $0.2 \%$ | $0.0 \%$ | $0.0 \%$ | $0.4 \%$ | $0.3 \%$ | $1.0 \%$ |
| V. Allouez | $-0.1 \%$ | $-0.1 \%$ | $-0.2 \%$ | $-1.0 \%$ | $0.0 \%$ | $-1.3 \%$ |
| V. Bellevue | $0.4 \%$ | $0.2 \%$ | $0.3 \%$ | $0.4 \%$ | $1.9 \%$ | $3.3 \%$ |
| T. Eaton | $0.5 \%$ | $0.5 \%$ | $0.3 \%$ | $0.4 \%$ | $2.2 \%$ | $3.8 \%$ |
| T. Green Bay | $0.2 \%$ | $0.3 \%$ | $0.0 \%$ | $0.0 \%$ | $1.4 \%$ | $1.9 \%$ |
| T. Humboldt | $0.4 \%$ | $-0.5 \%$ | $0.6 \%$ | $-1.1 \%$ | $1.2 \%$ | $0.6 \%$ |
| District Area | $0.2 \%$ | $0.0 \%$ | $0.1 \%$ | $0.2 \%$ | $0.5 \%$ | $1.0 \%$ |
| Brown County | $0.5 \%$ | $0.4 \%$ | $0.5 \%$ | $0.7 \%$ | $0.9 \%$ | $3.0 \%$ |
| State of Wisconsin | $0.1 \%$ | $0.2 \%$ | $0.2 \%$ | $0.3 \%$ | $0.4 \%$ | $1.2 \%$ |

Source: U. S. Census Bureau \& Demographic Services Center, WIDOA



Table 4 and Figure 4-C compares the 2000 and 2010 population by age for the Green Bay Area Public School District from the U.S. Census Bureau. The school age populations of 5-9 and 10-14 yearolds declined, but children under 5 years-old increased over this ten year period. Females age 20-29 also increased during this time.

TABLE 4
Population by Age and Gender, 2000-2010
Green Bay Area Public School District

|  | 2010 Total |  |  |  | 2000 Total |  |  |  |  |  |  |
| :---: | ---: | ---: | ---: | :---: | ---: | ---: | ---: | :---: | :---: | :---: | :---: |
| Age | Males | Females | Total | Age | Males | Females | Total |  |  |  |  |
| Under 5 | 5,263 | 4,884 | 10,147 | Under 5 | 4,757 | 4,545 | 9,302 |  |  |  |  |
| 5 to 9 | 4,673 | 4,460 | 9,133 | 5 to 9 | 4,810 | 4,604 | 9,414 |  |  |  |  |
| 10 to 14 | 4,361 | 4,275 | 8,636 | 10 to 14 | 4,760 | 4,605 | 9,365 |  |  |  |  |
| 15 to 19 | 4,676 | 4,626 | 9,302 | 15 to 19 | 5,012 | 4,828 | 9,840 |  |  |  |  |
| 20 to 24 | 5,337 | 5,379 | 10,716 | 20 to 24 | 5,562 | 5,231 | 10,793 |  |  |  |  |
| 25 to 29 | 5,423 | 5,286 | 10,709 | 25 to 29 | 5,557 | 4,863 | 10,420 |  |  |  |  |
| 30 to 34 | 5,016 | 4,510 | 9,526 | 30 to 34 | 5,607 | 4,863 | 10,470 |  |  |  |  |
| 35 to 39 | 4,412 | 4,106 | 8,518 | 35 to 39 | 5,802 | 5,311 | 11,113 |  |  |  |  |
| 40 to 44 | 4,442 | 4,154 | 8,596 | 40 to 44 | 5,510 | 5,231 | 10,741 |  |  |  |  |
| 45 to 49 | 5,030 | 4,870 | 9,900 | 45 to 49 | 4,740 | 4,678 | 9,418 |  |  |  |  |
| 50 to 54 | 4,866 | 4,843 | 9,709 | 50 to 54 | 3,810 | 3,869 | 7,679 |  |  |  |  |
| 55 to 59 | 4,218 | 4,403 | 8,621 | 55 to 59 | 2,581 | 2,857 | 5,438 |  |  |  |  |
| 60 to 64 | 3,187 | 3,388 | 6,575 | 60 to 64 | 2,048 | 2,233 | 4,281 |  |  |  |  |
| 65 to 69 | 2,069 | 2,455 | 4,524 | 65 to 69 | 1,732 | 2,110 | 3,842 |  |  |  |  |
| 70 to 74 | 1,600 | 1,909 | 3,509 | 70 to 74 | 1,669 | 2,138 | 3,807 |  |  |  |  |
| 75 to 79 | 1,284 | 1,710 | 2,994 | 75 to 79 | 1,283 | 1,985 | 3,268 |  |  |  |  |
| 80 to 84 | 972 | 1,536 | 2,508 | 80 to 84 | 829 | 1,612 | 2,441 |  |  |  |  |
| 85 plus | 708 | 1,739 | 2,447 | 85 plus | 577 | 1,580 | 2,157 |  |  |  |  |
|  | 67,537 | 68,533 | 136,070 |  |  |  |  |  | 66,646 | 67,143 | 133,789 |

Source: U. S. Census Bureau


Table 5 shows the number of housing starts in the Green Bay Area Public School District over the past ten years.

TABLE 5
School District Area Housing Starts Green Bay Area Public School District

|  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| District Area |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 407 | 309 | 239 | 122 | 172 | 291 | 86 | 126 | 216 | 412 |
| Single Family | 302 | 171 | 135 | 94 | 136 | 75 | 70 | 85 | 110 | 107 |
| Two Family | 17 | 2 | 14 | 4 | 4 | 42 | 0 | 4 | 4 | 0 |
| Multi-family | 88 | 136 | 90 | 24 | 32 | 174 | 16 | 37 | 102 | 305 |
| C. Green Bay |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 261 | 175 | 156 | 58 | 124 | 232 | 56 | 76 | 164 | 315 |
| Single Family | 164 | 79 | 80 | 58 | 88 | 20 | 40 | 44 | 65 | 62 |
| Two Family | 9 | 0 | 2 | 0 | 4 | 38 | 0 | 4 | 4 | 0 |
| Multi-family | 88 | 96 | 74 | 0 | 32 | 174 | 16 | 28 | 95 | 253 |
| V. Allouez |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 2 | 10 | 9 | 1 | 3 | 2 | 0 | 2 | 2 | 6 |
| Single Family | 2 | 2 | 1 | 1 | 3 | 2 | 0 | 2 | 2 | 6 |
| Two Family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Multi-family | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V. Bellevue |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 99 | 97 | 62 | 49 | 33 | 42 | 16 | 39 | 38 | 74 |
| Single Family | 93 | 63 | 42 | 21 | 33 | 38 | 16 | 30 | 31 | 22 |
| Two Family | 6 | 2 | 12 | 4 | 0 | 4 | 0 | 0 | 0 | 0 |
| Multi-family | 0 | 32 | 8 | 24 | 0 | 0 | 0 | 9 | 7 | 52 |
| T. Eaton |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 13 | 13 | 5 | 6 | 6 | 6 | 5 | 4 | 6 | 8 |
| Single Family | 13 | 13 | 5 | 6 | 6 | 6 | 5 | 4 | 6 | 8 |
| Two Family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Multi-family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T. Green Bay |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 21 | 13 | 7 | 7 | 6 | 6 | 7 | 1 | 6 | 7 |
| Single Family | 19 | 13 | 7 | 7 | 6 | 6 | 7 | 1 | 6 | 7 |
| Two Family | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Multi-family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T. Humboldt |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 11 | 1 | 0 | 1 | 0 | 3 | 2 | 4 | 0 | 2 |
| Single Family | 11 | 1 | 0 | 1 | 0 | 3 | 2 | 4 | 0 | 2 |
| Two Family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Multi-family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |

Source: Demographic Services Center, WIDOA

Area housing starts have fluctuated from a high of 407 units in 2005 (including 302 single family homes), to a low of 70 new single family housing starts in 2011. The district area has seen an increase in new housing starts since 2011 with significant numbers of new multi-family units. New housing in the table include the entire municipality. The majority of housing development over the last several years has occurred in the City of Green Bay and Village of Bellevue. Most of the development in the area has consisted of single-family homes although the several multi-family units were constructed throughout this time period. Households in single family homes, on average, contain more school-aged children than in two family and multi-family complexes.

Examining trends in recent housing development can help to explain how in-migration into the Green Bay Area Public School District area might be affecting school enrollment. If the number of housing starts in the district area is expected to be reasonably consistent for the next several years, then we assume that in-migration of school-age children will also remain relatively consistent. If the number of housing starts is expected to increase significantly above and beyond recent levels, inmigration may play an increasing role in school district enrollment. However, it is important to recognize that the number of housing starts in any given year is dependent upon a large number of confounding variables (decisions of local, county, and state policy makers, residential developers, interest rates, demand for housing, etc.), making future growth patterns difficult to predict.

It is also important to consider that turnover in ownership of existing housing stock also contributes to changes in enrollment. A district can maintain or even increase enrollment depending upon the cycle of resident homeowners, regardless of housing starts. For instance, a younger community will have a higher child-per-household ratio, whereas an older community will have a lower child-perhousehold ration. However, within a few years a turnover in ownership in an older community may result in an increase in the child-per-household number. As younger families move into the area, the school district will tend to see new students enrolling into the district's schools. Absent new housing development or housing turnover, families age in place and the number of school-aged children eventually declines. Turnover in ownership does not happen overnight, however, and slow turnover may occur for several years at varying rates.

Figures 5-A and 5-B show the number of residential building permits issued by municipality for communities that fall within the Green Bay Area Public School District. Figure 5-B shows housing starts in the area by type of housing unit: single family home, duplex, and multi-family housing unit.




## Method

In order to generate school enrollment projections, we rely on a commonly used demographic technique called the "cohort survival" method or the "grade progression ratio" method. This method advances current students through the school system over time and applies rates of transfer (or "survival") as the students who are now in school age from year to year and grade to grade. It is through these rates of transfer that we make assumptions about how migration into and out of the district and transfers to and from different schools will impact future enrollment.

## Grade Progression Ratios

Table 6 shows the grade progression ratios for the Green Bay Area Public School District. The ratios measure the effects of in- and out-migration and the transfer of students between private and public schools. The ratios are calculated for several pairs of years and then averages of these based on different time frames are calculated for each grade.

TABLE 6
Grade Progression Ratios
Green Bay Area Public School District

| YEAR CHANGES | B:K | K:1 | 1:2 | 2:3 | 3:4 | 4:5 | 5:6 | 6:7 | 7:8 | 8:9 | 9:10 | 10:11 | 11:12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 06-07/07-08 | 0.720 | 0.968 | 0.986 | 0.984 | 0.983 | 0.969 | 0.982 | 0.992 | 0.985 | 1.037 | 0.996 | 0.978 | 1.016 |
| 07-08/08-09 | 0.739 | 0.997 | 0.982 | 1.012 | 0.996 | 1.003 | 0.988 | 1.012 | 1.003 | 1.028 | 1.004 | 0.996 | 1.049 |
| 08-09/09-10 | 0.716 | 0.992 | 0.991 | 0.985 | 0.989 | 0.976 | 0.972 | 0.996 | 0.999 | 1.021 | 0.999 | 0.997 | 1.025 |
| 09-10/10-11 | 0.694 | 0.982 | 0.982 | 0.978 | 0.990 | 1.003 | 0.984 | 0.987 | 1.021 | 1.010 | 0.977 | 1.020 | 1.066 |
| 10-11/11-12 | 0.739 | 0.982 | 0.989 | 0.993 | 0.995 | 0.994 | 0.951 | 0.996 | 0.993 | 0.999 | 1.028 | 1.017 | 1.086 |
| 11-12/12-13 | 0.728 | 0.975 | 1.016 | 0.993 | 0.997 | 0.988 | 0.971 | 0.995 | 0.988 | 1.005 | 0.983 | 0.986 | 1.049 |
| 12-13/13-14 | 0.727 | 0.986 | 1.002 | 0.993 | 1.013 | 0.980 | 0.996 | 1.005 | 0.986 | 1.018 | 1.012 | 1.021 | 1.072 |
| 13-14/14-15 | 0.672 | 0.996 | 0.971 | 0.979 | 0.982 | 0.986 | 0.975 | 0.998 | 1.004 | 1.004 | 1.005 | 0.999 | 1.091 |
| 14-15/15-16 | 0.719 | 1.006 | 0.968 | 0.985 | 0.997 | 0.990 | 0.976 | 1.004 | 1.005 | 0.997 | 0.994 | 0.985 | 1.065 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Baseline | 0.723 | 0.987 | 0.986 | 0.986 | 0.991 | 0.986 | 0.981 | 0.998 | 0.995 | 1.010 | 0.999 | 0.997 | 1.059 |
| 5 Year Trend | 0.717 | 0.989 | 0.989 | 0.989 | 0.997 | 0.988 | 0.974 | 1.000 | 0.995 | 1.004 | 1.004 | 1.001 | 1.073 |
| 2 Year "Trend" | 0.696 | 1.001 | 0.969 | 0.982 | 0.990 | 0.988 | 0.976 | 1.001 | 1.005 | 1.000 | 0.999 | 0.992 | 1.078 |

*Shaded progression ratios are excluded from the Baseline Average

The grade progression ratios can be interpreted in the following manner. The Baseline ratio for 5:6 is .981 . This means that in the Green Bay Area Public School District, on average $98.1 \%$ of the fifth grade class move to sixth grade (the result of transfers from other schools and out-migration into the district). The B:K (birth to kindergarten) Baseline ratio of . 723 indicates that, on average, $72.3 \%$ of births from the district enroll in kindergarten in Green Bay Area Public School District. Outliers (ratios outside of one standard deviation of the mean) are not included in the calculation of the Baseline average ratios.

In order to examine future enrollment under different growth assumptions, we generate three sets of grade progression ratios that correspond to the different projection models shown later in this report. In addition to the Baseline ratios (averages 10 years of enrollment), we examine rates of transfer in the last 5 years and the last 2 years effectively weighing enrollment change patterns from different time periods more heavily than the Baseline. Any significant deviations from the rates of inand out-migration in the district area will have a corresponding effect on enrollment. These additional models allow us to examine alternative outcomes compared to the overall trends of the Baseline model. Figure 6 shows the differences between these three sets of grade progression ratios.


## 4K Grade Progression Ratios

Table 7 shows the observed transfer ratio between birth to $4 K$ and $4 K$ to $K$ for the last seven years and the baseline, five year, and two year grade progression ratio averages. $4 \mathrm{~K}: \mathrm{K}$ ratios are provided but not used in any of the models. Each corresponding grade progression average will be used to project 4 K enrollment in the baseline, five year, and two year trend models on the following pages.

TABLE 7
4K Grade Progression Ratios Green Bay Area Public School District

|  | B:4K | 4K:K |
| :--- | :---: | :---: |
| $08-09 / 09-10$ | 0.552 | 1.369 |
| $09-10 / 10-11$ | 0.588 | 1.258 |
| $10-11 / 11-12$ | 0.581 | 1.257 |
| $11-12 / 12-13$ | 0.590 | 1.252 |
| $12-13 / 13-14$ | 0.593 | 1.233 |
| $13-14 / 14-15$ | 0.586 | 1.134 |
| $14-15 / 15-16$ | 0.603 | 1.226 |
| Baseline | $\mathbf{0 . 5 8 5}$ | $\mathbf{1 . 2 4 7}$ |
| 5 Year Trend | $\mathbf{0 . 5 9 1}$ | $\mathbf{1 . 2 2 0}$ |
| 2 Year "Tend" | $\mathbf{0 . 5 9 4}$ | $\mathbf{1 . 1 8 0}$ |

## 3 ${ }^{\text {rd }}$ Friday Enrollment Projections

When considering all of the projections provided in this report for decision-making, it is important to recognize that population projections of all types, including school enrollment projections, are more accurate in the immediate future than they are farther into the future.

## Baseline Projections

The Baseline model (Table 8) projects enrollment using the assumption that average trends year to year, grade to grade, will continue into the future. This model assumes that long term trends (past ten years) in enrollment and migration will be representative of future trends in the district.

TABLE 8
Baseline Projection Model
Green Bay Area Public School District

|  | SCHOOL YEAR |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 | 24-25 | 25-26 |
| 4K | 1,364 | 1,344 | 1,311 | 1,351 | 1,385 | 1,396 | 1,407 | 1,418 | 1,429 | 1,440 |
| K | 1,669 | 1,709 | 1,684 | 1,643 | 1,683 | 1,721 | 1,735 | 1,749 | 1,763 | 1,776 |
| 1 | 1,590 | 1,648 | 1,688 | 1,663 | 1,622 | 1,662 | 1,699 | 1,713 | 1,726 | 1,740 |
| 2 | 1,549 | 1,568 | 1,625 | 1,664 | 1,640 | 1,599 | 1,639 | 1,675 | 1,689 | 1,702 |
| 3 | 1,647 | 1,528 | 1,547 | 1,603 | 1,641 | 1,617 | 1,577 | 1,616 | 1,652 | 1,665 |
| 4 | 1,558 | 1,633 | 1,515 | 1,533 | 1,589 | 1,627 | 1,603 | 1,563 | 1,602 | 1,638 |
| 5 | 1,544 | 1,536 | 1,609 | 1,493 | 1,511 | 1,566 | 1,604 | 1,580 | 1,541 | 1,579 |
| 6 | 1,407 | 1,514 | 1,506 | 1,578 | 1,464 | 1,482 | 1,536 | 1,572 | 1,549 | 1,511 |
| 7 | 1,475 | 1,405 | 1,511 | 1,503 | 1,575 | 1,461 | 1,479 | 1,533 | 1,569 | 1,546 |
| 8 | 1,456 | 1,468 | 1,398 | 1,504 | 1,496 | 1,568 | 1,454 | 1,472 | 1,525 | 1,562 |
| 9 | 1,445 | 1,471 | 1,483 | 1,412 | 1,519 | 1,511 | 1,584 | 1,469 | 1,487 | 1,541 |
| 10 | 1,370 | 1,443 | 1,469 | 1,482 | 1,411 | 1,517 | 1,510 | 1,582 | 1,467 | 1,486 |
| 11 | 1,390 | 1,365 | 1,438 | 1,464 | 1,477 | 1,406 | 1,512 | 1,505 | 1,577 | 1,462 |
| 12 | 1,450 | 1,472 | 1,445 | 1,523 | 1,550 | 1,563 | 1,488 | 1,601 | 1,593 | 1,669 |
|  |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 20,915 | 21,104 | 21,229 | 21,415 | 21,562 | 21,696 | 21,825 | 22,047 | 22,170 | 22,318 |
|  |  |  |  |  |  |  |  |  |  |  |
| K-12 | 19,551 | 19,759 | 19,918 | 20,064 | 20,177 | 20,300 | 20,419 | 20,630 | 20,741 | 20,878 |
| K-5 | 9,558 | 9,622 | 9,667 | 9,598 | 9,685 | 9,791 | 9,856 | 9,896 | 9,973 | 10,101 |
| 6-8 | 4,338 | 4,386 | 4,415 | 4,585 | 4,535 | 4,511 | 4,469 | 4,577 | 4,644 | 4,619 |
| 9-12 | 5,655 | 5,751 | 5,836 | 5,881 | 5,957 | 5,998 | 6,094 | 6,157 | 6,124 | 6,158 |

Five Year Trend Projections
The 5 Year Trend model (Table 9) uses the grade progression ratios from the last five years and recent birth trends to project what future enrollments would look like if more recent patterns were representative of future trends.

TABLE 9
5 Year Trend Projection Model Green Bay Area Public School District

|  |  |  |  | SCHOOL YEAR |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GRADE | $\mathbf{1 6 - 1 7}$ | $\mathbf{1 7 - 1 8}$ | $\mathbf{1 8 - 1 9}$ | $\mathbf{1 9 - 2 0}$ | $\mathbf{2 0 - 2 1}$ | $\mathbf{2 1 - 2 2}$ | $\mathbf{2 2 - 2 3}$ | $\mathbf{2 3 - 2 4}$ | $\mathbf{2 4 - 2 5}$ | $\mathbf{2 5 - 2 6}$ |
|  |  |  |  |  |  |  |  |  |  |  |
| 4 K | 1,397 | 1,376 | 1,342 | 1,354 | 1,371 | 1,377 | 1,384 | 1,390 | 1,396 | 1,403 |
| K | 1,656 | 1,696 | 1,671 | 1,629 | 1,644 | 1,664 | 1,672 | 1,680 | 1,687 | 1,695 |
| 1 | 1,593 | 1,638 | 1,677 | 1,652 | 1,612 | 1,626 | 1,646 | 1,654 | 1,661 | 1,669 |
| 2 | 1,554 | 1,576 | 1,620 | 1,659 | 1,634 | 1,594 | 1,608 | 1,628 | 1,636 | 1,643 |
| 3 | 1,651 | 1,536 | 1,558 | 1,601 | 1,640 | 1,616 | 1,576 | 1,590 | 1,610 | 1,617 |
| 4 | 1,567 | 1,646 | 1,532 | 1,553 | 1,597 | 1,635 | 1,611 | 1,571 | 1,585 | 1,605 |
| 5 | 1,547 | 1,548 | 1,626 | 1,513 | 1,534 | 1,577 | 1,615 | 1,591 | 1,552 | 1,566 |
| 6 | 1,398 | 1,506 | 1,507 | 1,583 | 1,473 | 1,494 | 1,536 | 1,573 | 1,550 | 1,511 |
| 7 | 1,478 | 1,397 | 1,506 | 1,507 | 1,583 | 1,473 | 1,494 | 1,535 | 1,572 | 1,549 |
| 8 | 1,456 | 1,470 | 1,390 | 1,498 | 1,500 | 1,575 | 1,466 | 1,486 | 1,528 | 1,564 |
| 9 | 1,436 | 1,462 | 1,477 | 1,396 | 1,505 | 1,506 | 1,582 | 1,472 | 1,493 | 1,535 |
| 10 | 1,377 | 1,443 | 1,469 | 1,483 | 1,402 | 1,512 | 1,513 | 1,589 | 1,478 | 1,499 |
| 11 | 1,397 | 1,379 | 1,445 | 1,471 | 1,485 | 1,404 | 1,514 | 1,515 | 1,591 | 1,480 |
| 12 | 1,469 | 1,498 | 1,479 | 1,550 | 1,577 | 1,593 | 1,506 | 1,624 | 1,625 | 1,707 |
|  |  |  |  |  |  |  |  |  |  |  |
| TOTAL | $\mathbf{2 0 , 9 7 5}$ | $\mathbf{2 1 , 1 7 2}$ | $\mathbf{2 1 , 2 9 8}$ | $\mathbf{2 1 , 4 5 1}$ | $\mathbf{2 1 , 5 5 8}$ | $\mathbf{2 1 , 6 4 7}$ | $\mathbf{2 1 , 7 2 2}$ | $\mathbf{2 1 , 8 9 8}$ | $\mathbf{2 1 , 9 6 5}$ | $\mathbf{2 2 , 0 4 4}$ |
|  |  |  |  |  |  |  |  |  |  |  |
| K-12 | 19,579 | 19,795 | 19,956 | 20,097 | 20,187 | 20,270 | 20,339 | 20,508 | 20,569 | 20,641 |
| K-5 | 9,568 | 9,640 | 9,683 | 9,608 | 9,661 | 9,713 | 9,729 | 9,714 | 9,732 | 9,795 |
| $6-8$ | 4,331 | 4,374 | 4,404 | 4,589 | 4,556 | 4,542 | 4,495 | 4,594 | 4,649 | 4,625 |
| 9-12 | 5,680 | 5,782 | 5,869 | 5,900 | 5,970 | 6,015 | 6,115 | 6,199 | 6,187 | 6,221 |

The 2 Year "Trend" model (Table 10) uses the grade progression ratios from the last two years to project what future enrollments would look like if even more recent patterns were representative of future trends. This model should be interpreted with some caution- if future migration into the school district continues as it has in the past two years, only then should this model be appropriate.

TABLE 10
2 Year "Trend" Projection Model Green Bay Area Public School District

|  |  |  |  | SCHOOL YEAR |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GRADE | $\mathbf{1 6 - 1 7}$ | $\mathbf{1 7 - 1 8}$ | $\mathbf{1 8 - 1 9}$ | $\mathbf{1 9 - 2 0}$ | $\mathbf{2 0 - 2 1}$ | $\mathbf{2 1 - 2 2}$ | $\mathbf{2 2 - 2 3}$ | $\mathbf{2 3 - 2 4}$ | $\mathbf{2 4 - 2 5}$ | $\mathbf{2 5 - 2 6}$ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| $4 K$ | 1,406 | 1,385 | 1,351 | 1,363 | 1,380 | 1,386 | 1,393 | 1,399 | 1,405 | 1,411 |  |
| K | 1,606 | 1,645 | 1,621 | 1,580 | 1,595 | 1,614 | 1,622 | 1,629 | 1,637 | 1,644 |  |
| 1 | 1,613 | 1,608 | 1,647 | 1,622 | 1,582 | 1,597 | 1,616 | 1,624 | 1,631 | 1,639 |  |
| 2 | 1,523 | 1,564 | 1,559 | 1,596 | 1,573 | 1,534 | 1,548 | 1,567 | 1,574 | 1,581 |  |
| 3 | 1,640 | 1,496 | 1,536 | 1,531 | 1,568 | 1,545 | 1,507 | 1,520 | 1,539 | 1,546 |  |
| 4 | 1,556 | 1,624 | 1,481 | 1,520 | 1,516 | 1,552 | 1,529 | 1,492 | 1,505 | 1,524 |  |
| 5 | 1,547 | 1,537 | 1,604 | 1,463 | 1,502 | 1,497 | 1,533 | 1,511 | 1,474 | 1,487 |  |
| 6 | 1,400 | 1,510 | 1,500 | 1,565 | 1,428 | 1,466 | 1,461 | 1,496 | 1,474 | 1,438 |  |
| 7 | 1,479 | 1,402 | 1,511 | 1,502 | 1,567 | 1,429 | 1,467 | 1,463 | 1,498 | 1,476 |  |
| 8 | 1,470 | 1,486 | 1,408 | 1,518 | 1,509 | 1,574 | 1,436 | 1,474 | 1,469 | 1,505 |  |
| 9 | 1,430 | 1,470 | 1,487 | 1,409 | 1,519 | 1,509 | 1,575 | 1,436 | 1,474 | 1,470 |  |
| 10 | 1,370 | 1,430 | 1,469 | 1,486 | 1,408 | 1,518 | 1,508 | 1,574 | 1,435 | 1,473 |  |
| 11 | 1,383 | 1,359 | 1,418 | 1,457 | 1,474 | 1,396 | 1,505 | 1,496 | 1,561 | 1,423 |  |
| 12 | 1,477 | 1,492 | 1,465 | 1,529 | 1,571 | 1,589 | 1,505 | 1,623 | 1,613 | 1,683 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL | $\mathbf{2 0 , 9 0 2}$ | $\mathbf{2 1 , 0 0 6}$ | $\mathbf{2 1 , 0 5 6}$ | $\mathbf{2 1 , 1 4 2}$ | $\mathbf{2 1 , 1 9 0}$ | $\mathbf{2 1 , 2 0 6}$ | $\mathbf{2 1 , 2 0 5}$ | $\mathbf{2 1 , 3 0 3}$ | $\mathbf{2 1 , 2 8 9}$ | $\mathbf{2 1 , 3 0 0}$ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| K-12 | 19,496 | 19,621 | 19,705 | 19,779 | 19,810 | 19,820 | 19,813 | 19,904 | 19,884 | 19,888 |  |
| K-5 | 9,486 | 9,473 | 9,447 | 9,314 | 9,336 | 9,340 | 9,356 | 9,343 | 9,360 | 9,421 |  |
| $6-8$ | 4,349 | 4,398 | 4,419 | 4,585 | 4,503 | 4,469 | 4,364 | 4,433 | 4,441 | 4,418 |  |
| $9-12$ | 5,661 | 5,750 | 5,839 | 5,880 | 5,971 | 6,012 | 6,093 | 6,128 | 6,083 | 6,049 |  |

## Kindergarten Trend Projections

For the Kindergarten Trend model (Table 11), we perform a kindergarten trend analysis to project the number of future kindergarten students, rather than relying upon the traditional birth to kindergarten ( $\mathrm{B}: \mathrm{K}$ ) progression ratio. Then, the 5 Year Trend progression ratios are used for projecting the other grades (1-12) in the district.

TABLE 11
Kindergarten Trend Projection Model Green Bay Area Public School District

|  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GRADE | $\mathbf{1 6 - 1 7}$ | $\mathbf{1 7 - 1 8}$ | $\mathbf{1 8 - 1 9}$ | $\mathbf{1 9 - 2 0}$ | $\mathbf{2 0 - 2 1}$ | $\mathbf{2 1 - 2 2}$ | $\mathbf{2 2 - 2 3}$ | $\mathbf{2 3 - 2 4}$ | $\mathbf{2 4 - 2 5}$ | $\mathbf{2 5 - 2 6}$ |
| $4 K$ | 1,397 | 1,376 | 1,342 | 1,354 | 1,371 | 1,377 | 1,384 | 1,390 | 1,396 | 1,403 |
| K | 1653 | 1668 | 1682 | 1696 | 1711 | 1725 | 1740 | 1754 | 1768 | 1783 |
| 1 | 1,593 | 1,635 | 1,649 | 1,664 | 1,678 | 1,692 | 1,706 | 1,721 | 1,735 | 1,749 |
| 2 | 1,554 | 1,576 | 1,617 | 1,631 | 1,646 | 1,660 | 1,674 | 1,688 | 1,702 | 1,716 |
| 3 | 1,651 | 1,536 | 1,558 | 1,599 | 1,613 | 1,627 | 1,641 | 1,655 | 1,669 | 1,683 |
| 4 | 1,567 | 1,646 | 1,532 | 1,553 | 1,594 | 1,608 | 1,622 | 1,636 | 1,650 | 1,664 |
| 5 | 1,547 | 1,548 | 1,626 | 1,513 | 1,534 | 1,574 | 1,588 | 1,602 | 1,616 | 1,629 |
| 6 | 1,398 | 1,506 | 1,507 | 1,583 | 1,473 | 1,494 | 1,533 | 1,547 | 1,560 | 1,573 |
| 7 | 1,478 | 1,397 | 1,506 | 1,507 | 1,583 | 1,473 | 1,494 | 1,533 | 1,546 | 1,560 |
| 8 | 1,456 | 1,470 | 1,390 | 1,498 | 1,500 | 1,575 | 1,466 | 1,486 | 1,525 | 1,539 |
| 9 | 1,436 | 1,462 | 1,477 | 1,396 | 1,505 | 1,506 | 1,582 | 1,472 | 1,493 | 1,532 |
| 10 | 1,377 | 1,443 | 1,469 | 1,483 | 1,402 | 1,512 | 1,513 | 1,589 | 1,478 | 1,499 |
| 11 | 1,397 | 1,379 | 1,445 | 1,471 | 1,485 | 1,404 | 1,514 | 1,515 | 1,591 | 1,480 |
| 12 | 1,469 | 1,498 | 1,479 | 1,550 | 1,577 | 1,593 | 1,506 | 1,624 | 1,625 | 1,707 |
|  |  |  |  |  |  |  |  |  |  |  |
| TOTAL | $\mathbf{2 0 , 9 7 3}$ | $\mathbf{2 1 , 1 4 1}$ | $\mathbf{2 1 , 2 7 9}$ | $\mathbf{2 1 , 4 9 9}$ | $\mathbf{2 1 , 6 7 3}$ | $\mathbf{2 1 , 8 2 1}$ | $\mathbf{2 1 , 9 6 2}$ | $\mathbf{2 2 , 2 1 0}$ | $\mathbf{2 2 , 3 5 4}$ | $\mathbf{2 2 , 5 1 6}$ |
|  |  |  |  |  |  |  |  |  |  |  |
| K-12 | 19,576 | 19,765 | 19,937 | 20,145 | 20,302 | 20,444 | 20,578 | 20,820 | 20,958 | 21,114 |
| K-5 | 9,565 | 9,609 | 9,664 | 9,657 | 9,776 | 9,886 | 9,971 | 10,055 | 10,139 | 10,223 |
| $6-8$ | 4,331 | 4,374 | 4,404 | 4,589 | 4,556 | 4,542 | 4,493 | 4,566 | 4,632 | 4,672 |
| $9-12$ | 5,680 | 5,782 | 5,869 | 5,900 | 5,970 | 6,015 | 6,115 | 6,199 | 6,187 | 6,219 |

## Comparison of Projection Models

Figures 7-10 and Tables 12-15 compare the four enrollment projection models broken down by total $4 \mathrm{~K}-12$ district enrollment and by grade groupings ( $\mathrm{K}-5,6-8$, and $9-12$ ).


TABLE 12
Green Bay Area Public School District
Summary of 4K-12 Enrollment Projections

|  | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 | 24-25 | 25-26 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Baseline | 20,915 | 21,104 | 21,229 | 21,415 | 21,562 | 21,696 | 21,825 | 22,047 | 22,170 | 22,318 |
| 5 Year Trend | 20,975 | 21,172 | 21,298 | 21,451 | 21,558 | 21,647 | 21,722 | 21,898 | 21,965 | 22,044 |
| 2 Year "Trend" | 20,902 | 21,006 | 21,056 | 21,142 | 21,190 | 21,206 | 21,205 | 21,303 | 21,289 | 21,300 |
| Kindergarten Trend | 20,973 | 21,141 | 21,279 | 21,499 | 21,673 | 21,821 | 21,962 | 22,210 | 22,354 | 22,516 |
| Summary of K-12 Enrollment Projections |  |  |  |  |  |  |  |  |  |  |
|  | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 | 24-25 | 25-26 |
| Baseline | 19,551 | 19,759 | 19,918 | 20,064 | 20,177 | 20,300 | 20,419 | 20,630 | 20,741 | 20,878 |
| 5 Year Trend | 19,579 | 19,795 | 19,956 | 20,097 | 20,187 | 20,270 | 20,339 | 20,508 | 20,569 | 20,641 |
| 2 Year "Trend" | 19,496 | 19,621 | 19,705 | 19,779 | 19,810 | 19,820 | 19,813 | 19,904 | 19,884 | 19,888 |
| Kindergarten Trend | 19,576 | 19,765 | 19,937 | 20,145 | 20,302 | 20,444 | 20,578 | 20,820 | 20,958 | 21,114 |



TABLE 13
Green Bay Area Public School District
Summary of K-5 Enrollment Projections

|  | $\mathbf{1 6 - 1 7}$ | $\mathbf{1 7 - 1 8}$ | $\mathbf{1 8 - 1 9}$ | $\mathbf{1 9 - 2 0}$ | $\mathbf{2 0 - 2 1}$ | $\mathbf{2 1 - 2 2}$ | $\mathbf{2 2 - 2 3}$ | $\mathbf{2 3 - 2 4}$ | $\mathbf{2 4 - 2 5}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Baseline | 9,558 | 9,622 | 9,667 | 9,598 | 9,685 | 9,791 | 9,856 | 9,896 | 9,973 |
| 5 Year Trend | 9,568 | 9,640 | 9,683 | 9,608 | 9,661 | 9,713 | 9,729 | 9,714 | 9,732 |
| 2 Year "Trend" | 9,486 | 9,473 | 9,447 | 9,314 | 9,336 | 9,340 | 9,356 | 9,343 | 9,360 |
| Kindergarten Trend | 9,565 | 9,609 | 9,664 | 9,657 | 9,776 | 9,886 | 9,971 | 10,055 | 10,139 |
|  |  |  |  |  |  |  |  |  |  |



TABLE 14
Green Bay Area Public School District
Summary of 6-8 Enrollment Projections

|  | $\mathbf{1 6 - 1 7}$ | $\mathbf{1 7 - 1 8}$ | $\mathbf{1 8 - 1 9}$ | $\mathbf{1 9 - 2 0}$ | $\mathbf{2 0 - 2 1}$ | $\mathbf{2 1 - 2 2}$ | $\mathbf{2 2 - 2 3}$ | $\mathbf{2 3 - 2 4}$ | $\mathbf{2 4 - 2 5}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Baseline | 4,338 | 4,386 | 4,415 | 4,585 | 4,535 | 4,511 | 4,469 | 4,577 | 4,644 |
| Y,619 |  |  |  |  |  |  |  |  |  |
| Year Trend | 4,331 | 4,374 | 4,404 | 4,589 | 4,556 | 4,542 | 4,495 | 4,594 | 4,649 |
| 2 Year "Trend" | 4,349 | 4,398 | 4,419 | 4,585 | 4,503 | 4,469 | 4,364 | 4,433 | 4,441 |
| Kindergarten Trend | 4,331 | 4,374 | 4,404 | 4,589 | 4,556 | 4,542 | 4,493 | 4,566 | 4,632 |
|  |  |  |  |  |  |  |  |  |  |



TABLE 15
Green Bay Area Public School District
Summary of 9-12 Enrollment Projections

|  | $\mathbf{1 6 - 1 7}$ | $\mathbf{1 7 - 1 8}$ | $\mathbf{1 8 - 1 9}$ | $\mathbf{1 9 - 2 0}$ | $\mathbf{2 0 - 2 1}$ | $\mathbf{2 1 - 2 2}$ | $\mathbf{2 2 - 2 3}$ | $\mathbf{2 3 - 2 4}$ | $\mathbf{2 4 - 2 5}$ | $\mathbf{2 5 - 2 6}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Baseline | 5,655 | 5,751 | 5,836 | 5,881 | 5,957 | 5,998 | 6,094 | 6,157 | 6,124 | 6,158 |
| 5 Year Trend | 5,680 | 5,782 | 5,869 | 5,900 | 5,970 | 6,015 | 6,115 | 6,199 | 6,187 | 6,221 |
| 2 Year "Trend" | 5,661 | 5,750 | 5,839 | 5,880 | 5,971 | 6,012 | 6,093 | 6,128 | 6,083 | 6,049 |
| Kindergarten Trend | 5,680 | 5,782 | 5,869 | 5,900 | 5,970 | 6,015 | 6,115 | 6,199 | 6,187 | 6,219 |

