## NESDES <br> 2015-16 Enrollment Projections

TO:
FROM:
Mr. Sean McMannon, Superintendent of Schools, Winooski School District \#17, VT

DATE:
RE:
Donald G. Kennedy, Ed.D., Demographic Specialist

Enrollment Projections

We are pleased to send you the enclosed documents displaying the past, present, and projected enrollments for the Winooski School District. We have used the figures given to us by the district and we assume that the method of collecting the enrollment data has been consistent from year to year. It is worth noting that this time of transition is the most difficult of the past 25 years to reliably forecast future enrollments, due to the irregular/uneven pace of communities recovering from the effects of the economic cycle upon real estate markets and school enrollments.

Winooski has not recently asked NESDEC to prepare enrollment projections, thus there is no valid comparison of the variances between projections v . actual enrollments - as there will be in fall 2016, using this newly updated forecast. However we can describe two factors now at work which will have the greatest effect upon future enrollments: a. the number of births to Winooski residents and, to a greater degree, b. the return of in-migration (which had slowed, due to the real estate slowdown). In the decade from 2000-2009, Winooski averaged 91 births per year; recently (and expected over the next 6-7 years) are about 97-124 births annually...averaging about 20 more per year than previously. Hard-hit Connecticut experienced an $8.6 \%$ decline in births from 2007 to 2009 (in part caused by the economic Recession), the largest decline among the six New England states - followed by an 8.1\% decline in Rhode Island births, the two states with the highest rates of unemployment in the New England region - Massachusetts births declined by only $3.9 \%$ over these three years. Economists are forecasting a slow-yet-steady recovery from the current rates of unemployment which, in turn, may lead to additional in-migration and births (RI 5.4\% unemployment as of September 2015; CT 5.2\%; US non-farm unemployment 5.1\% (US
unemployment was above 10\% during the Great Recession); New England average 4.7\%; MA 4.6\%; ME 4.4\%; VT 3.7\%; and NH 3.4\% - other nearby states: NJ 5.6\%; PA 5.3\%; NY 5.1\%).

The ever-changing relationship between Winooski births and Kindergarten enrollments is displayed on the B-K graph. Winooski, over the past seven years, has registered about 69 Kindergarteners for every 100 births (five years previous), a relationship which has been decreasing, this fall there were only 49 Kindergarteners for every 100 births five-years-previous. Note, however, that in 2009 there were 100 Kindergarteners for every 100 births. Projection ratios have been adjusted to match Winooski's most recent enrollment history. Grade 1 is expected to be about $12 \%$ smaller than the previous year's Kindergarten class.

Like many nearby communities Winooski continues to experience enrollment fluctuations of in/out-migration in Grades 1-8 (Grades 9-12 are excluded from this calculation, as there sometimes is an 11\% decrease in Grade 9 for reasons that have little to do with families moving out of Winooski). See below the paragraph describing "Hidden Trends within the District - the "Grades 1-8 stability" - which the past three school years has included - $1.5 \%$ net out-migration of families from the Winooski Public Schools, but an in-migration of +5.9 in 2014-15) - at grade levels which more commonly experience stability.

Looking back to Winooski's recent past, we note three Kindergarten years with 70+ students, compared with 48 Kindergarteners in the current group. As these classes rise through the grades, the peaks and valleys will affect the overall school totals. Over the next three years, K-5 enrollments are forecast to decrease by a total of 2 students; Grades 6-8 to decrease by 3 pupils; and the high school level to increase by about 27 pupils...all within the next three years. After that point these projections show declining enrollment in Grades K-5 of 11 children, combined with slight decreases at Grades 6-8 and 9-12 - as classes work their way up through the grades. The high school is expected to show enrollment spikes, as some grades are larger than others. That said, it is possible that real estate turnover will have increased, bringing in additional new families - see the "Projections" page.

Will these patterns of increasing enrollments really last for as long as ten years? That is difficult to answer. All projections are more reliable in Years \#1-5; and less reliable in Years \#6-10. As soon as the economy and real estate situation become more stable in the region, additional in-migration may occur in Winooski.

Many communities in the region sold during 2008-2013 only about 60-80\% as many homes as in 2003-2007. As additional families move in, any forecasted declines may moderate. See the description on Page 4 below regarding "reliability of projections". The birth numbers used in the projections, through 2013, are from the VT

Department of Public Health. The "estimated" years, beginning with 2014 are a rolling five-year average, which NESDEC has found to be the most accurate method of estimation. Local City/Town Clerks have up-to-date birth information, however do not have access to the numbers of Winooski residents born out-of-state (information which will eventually become known to the VT DPH).

The two most difficult grades to forecast in all districts are Kindergarten and Grade 9. The latter is difficult to anticipate, as there are so many options for Grade 9 (in vocational or agricultural schools, private or parochial non-public schools, etc.). Kindergarten can be difficult to project based upon births alone, as many districts have large numbers of "net move-ins/move-outs" who are ages 1-4. Some districts take the extra steps to track 3 and 4-year olds with a local census, or report to NESDEC the known number of 4-year olds in local preschools/nursery schools which typically enroll Kindergarteners in the district. Knowing this information helps NESDEC to project Kindergarteners more reliably...as does data from the Kindergarten Screening in districts which also track 3 and 4 -year old siblings (or neighbors) at that time. The more data, in addition to births, which is sent to NESDEC, the greater is the chance that "enrollment surprises" will be minimized.
"Hidden Trends" within the district: We know that Winooski currently is experiencing net in-migration of new families with school age children. Yet how can we accurately quantify the increasing numbers of these children? More so than other grade levels, Grades 1-8 in most districts tend to be quite stable in their numbers (example: if the Grade 1-7 total was 450 children in Year \#1, the Grade 2-8 total in Year \#2 typically would be approximately 450 - same cohort of children). Thus these "usually stable grades" provide a useful yardstick by which to measure a district's tendency toward in-/out-migration. Winooski's data reveals a slight increasing trend toward "net in-migration". In 2014-15, the 377 children in Grades 2-8 were 2 children less than the 379 who had been in Grades 1-7 during the 2013-2014 year. Lastly, in 2015-2016, the 401 children in Grades 2-8 were $\mathbf{2 2}$ more students than those who had been in Grades 1-7 during the previous year - note the "net move-ins". This increasing in-migration in grades that typically are stable in numbers - provides an additional reliable benchmark by which to assess enrollment trends.

Will new families be moving into our school district? Everyday across America, 10,000 "Baby Boomers" celebrate their $65^{\text {th }}$ birthday - a phenomenon which will continue for a decade. New England has a disproportionately large share of these senior citizens, many of whom had planned to "downsize" their living arrangements, yet postponed putting homes on the market due to the Great Recession. School enrollments are influenced strongly by the number of real estate sales, as these contribute new families moving into many districts. In over $80 \%$ of districts, the number of real estate sales is $4-5$ times larger than the number of building
permits for new residential construction - thus the number of real estate sales often is a more important factor than building permits.

In New England, how rapidly will additional homes be placed on the market? A mid-2014 study using data from the Federal Housing Finance Agency, Bureau of Economic Analysis and the U.S. Census Bureau directly links home prices to the "real Gross Domestic Product" (GDP) in each of the nine regions in the country. However New England ranks only $7^{\text {th }}$ among the 9 regions in the recovery of its regional economy (as measured in "the bubble" prior to the Recession, in "real GDP"). Comparing the regional economies from 2 Quarter of 2007 to 4 Quarter 2013: W. South Central $=+18.6 \%$ (that is, many jobs are available); W. North Central $+11.8 \%$; Pacific $+7.4 \%$; E. South Central $+5.6 \%$; Middle Atlantic $+5.1 \%$; Mountain $+4.1 \%$; New England $+\mathbf{3 . 4 \%}$; South Atlantic $+2.1 \%$; and E. North Central $+2.0 \%$. Home sales prices are $+14.6 \%$ in the W. South Central region (including Texas, Arkansas, Louisiana, and Oklahoma) with the strongest "real G.D.P." v. -4.4\% in New England. Thus, although real estate sales and rentals are very strong in some New England towns and cities, there are many senior citizens still refraining from placing their homes on the market - as house prices still may be rising. New England births, however, are likely to remain at low levels, due to the advanced age of the New England population.

## Analyzing Your Enrollment

Historical Public Enrollments

1. After the "YEAR" column can be found the "BIRTHS" column. The number of births to residents for each of eleven years is displayed. Note any trends, e.g., have births been decreasing? increasing? leveling off? Kindergarten and Grade 1 enrollments normally are quite responsive to these fluctuations.
2. Look down the $K$ and 1 columns, noting the direction of the trend. This affords a comparison of these classes over a ten-year period. Add the K and Grade 1 enrollments of the first school year recorded, and compare them with the sum of the current $K$ and Grade 1 enrollments.
3. Take the first K class and follow it diagonally to trace its movement to Grade 1, 2, etc. up to its current 10th grade status. This comparison (which can be accomplished for other classes also) gives some measure of the effects of migration in your school district. If a sixth grade class today is larger than it was as a K class six years ago, then net in-migration probably has occurred; if it is smaller, then net out-migration probably has occurred.
4. Compare each K class with the previous year's graduating class. Note which is larger and by what amount one surpasses the other. Larger graduating classes generally reflect declining enrollments; larger K classes generally indicate increasing enrollments.
5. In the "Grade Combinations" section, note the trends of elementary, middle school and high school enrollments. A significant and consistent trend in these summaries usually results in the corresponding trend for projected enrollments. If enrollments are leveling off in the elementary grades after a period of decline, then the secondary enrollments might be expected to continue to decline for several years until the leveling off experience has had time to take hold at the secondary grades.
6. Note the trends exhibited in the total K-12 (or 1-12) projection for the next five years as well as the projections for various grade combinations. The trends on this page should generally exhibit a continuation of the trends mentioned above for historical enrollments, although the rate of change may be quite different.
7. Look at the births in the most recent years and note whether the trend is up, down, or level.
8. Make similar comparisons as appropriate on this page as were suggested for the "Historical Public Enrollments" page.

## PROJECTION METHODOLOGY

Cohort component (survival) technique is a frequently used method of preparing enrollment forecasts. NESDEC uses this method, but modifies it in order to move away from forecasts which are wholly computer or formula driven. Such modification permits the incorporation of important, current town-specific information into the generation of the enrollment forecasts (such as the volume of real estate sales, building permits, in/out-migration, etc.). Basically, percentages are calculated from the historical enrollment data to determine a reliable percentage of increase or decrease in enrollment between any two grades. For example, if 100 students enrolled in Grade 1 in 2013-14, increased to 104 students in Grade 2 in 2014-15, the percentage of survival would have been $104 \%$ or a ratio of 1.04 . Such ratios are calculated between each pair of grades or years in school over several recent years.

After study and analysis of the historical ratios, and based upon a reasonable set of assumptions regarding births, migration rates, retention rates, etc., ratios most indicative of future growth patterns are determined for each pair of grades. The ratios thus selected are applied to the present enrollment statistics for a pre-determined number of years. The ratios used are the key factors in the reliability of the projections, given the validity of the data at the starting point. The strength of the ratios lies in the fact that each ratio encompasses collectively the variables that account for increases or decreases in the size of a grade enrollment as it moves on to the next grade. Each ratio represents the cumulative effect of the following factors:

1. Real estate turnover and new residential construction;
2. Migration, in or out, of the schools;
3. Drop-outs, transfers, etc.;
4. Births to residents;
5. Retention in the same grade.

RELIABILITY OF ENROLLMENT PROJECTIONS
Projections can serve as useful guides to school administrators for educational planning. In this regard, the projections are generally most reliable when they are closest in time to the current year. Projections six to ten years out may serve as a guide to future enrollments, and are useful for facility planning purposes. However, they should be viewed as subject to change given the likelihood of changes in the underlying assumptions/trends.

Projections that are based upon the children who already are in the district (the current K-12 population only) will be the most reliable; the second level of reliability will be for those children already born into the community but not yet old enough to be in school. A less reliable category is the group for which an estimate must be made to predict the number of births, thereby adding an additional variable. See these three multicolored groupings on the "Projected Enrollment" slide/page.

How often do the actual enrollments closely match the NESDEC projections? The research literature reports the closest that enrollment forecasters are likely to come to actual enrollments is about $1 \%$ variance per year-from-the-known-data. That is, a $1 \%$ variance from projection-to-actual "one-year-out" into the future ( $2 \%$ variance "two-years-out" ... 10\% variance "ten-years-out"). NESDEC reaches this "highest possible" standard in about $90 \%$ of cases. When our NESDEC variance is greater, the reasons often are one of the following: a. imbedded/intervening "hidden" variables (examples: a parochial school closed or other students returned from non-public schools, a charter school opened, the Kindergarten program changed entrance age or to extended/fullday, the high school toughened its course credit/graduation requirements, the District set new attendance boundaries for elementary schools, or the District had well-publicized budget/referendum academic accreditation difficulties); b. the District size was below 500 students, thus subject to fluctuations in total numbers; or c . the District has not done enrollment projections on an annual basis.

Annual updates allow for early identification of recent changes in historical trends. When the actual enrollment in a grade is significantly different (high or low) from the projected number, it is important (yet difficult) to determine whether this is a one-year aberration or whether a new trend may have begun. In light of this possibility, NESDEC urges all school districts to have updated enrollment forecasts developed by NESDEC each October. This service is available at no cost to affiliated school districts.

## NESDES <br> Using This Information Electronically

If you would like to extract the information contained in this report for your own documents or presentations, you can use Adobe Acrobat reader to convert the desired information to a "snapshot," which can be inserted into PowerPoint slides, Word documents, etc. Because the snapshot tool creates a graphic, the image is not editable.

Steps for Using The Snapshot Tool in Adobe Acrobat Reader 8.0:

1. Click on Tools Menu;
2. Choose "Select \& Zoom;"
3. Choose "Snapshot Tool;"
4. Click and drag around the text, chart, and/or graphics that you would like to capture: your selection will be copied to the clipboard automatically;
5. Click in the document where you would like the information to appear;*
6. Give Paste command.

If you have an earlier version of Adobe Acrobat and these instructions don't work for you, contact your tech support person, or NESDEC and we will try to assist you. Telephone (508)481-9444 or ep@nesdec.org. Ask for Peggy, Don, or Carol.
*You may paste your snapshot onto a PowerPoint slide, onto an Excel sheet, or even into a graphics program to save as a separate graphic file (in .jpg or other format), so that it is available for inserting into future documents.

## Winooski, VT Historical Enrollment

| Historical Enrollment By Grade |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Birth Year | Births | School Year | PK | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | UNGR | K-12 | PK-12 |
| 2000 | 90 | 2005-06 | 68 | 57 | 51 | 54 | 45 | 48 | 59 | 52 | 58 | 61 | 82 | 38 | 48 | 44 | 29 | 726 | 794 |
| 2001 | 79 | 2006-07 | 73 | 52 | 65 | 48 | 46 | 48 | 51 | 59 | 54 | 55 | 86 | 57 | 42 | 35 | 20 | 718 | 791 |
| 2002 | 77 | 2007-08 | 63 | 57 | 56 | 60 | 45 | 43 | 48 | 40 | 55 | 55 | 63 | 64 | 47 | 31 | 17 | 681 | 744 |
| 2003 | 77 | 2008-09 | 69 | 76 | 58 | 53 | 56 | 44 | 58 | 54 | 46 | 63 | 69 | 64 | 48 | 30 | 25 | 744 | 813 |
| 2004 | 73 | 2009-10 | 70 | 73 | 73 | 61 | 57 | 56 | 41 | 68 | 51 | 52 | 107 | 50 | 49 | 33 | 32 | 803 | 873 |
| 2005 | 77 | 2010-11 | 86 | 61 | 66 | 65 | 61 | 55 | 56 | 35 | 61 | 45 | 40 | 54 | 69 | 47 | 45 | 760 | 846 |
| 2006 | 117 | 2011-12 | 90 | 72 | 59 | 58 | 65 | 60 | 52 | 58 | 36 | 63 | 53 | 59 | 76 | 66 | 59 | 836 | 926 |
| 2007 | 88 | 2012-13 | 93 | 65 | 69 | 55 | 63 | 61 | 63 | 50 | 61 | 44 | 60 | 48 | 66 | 66 | 35 | 806 | 899 |
| 2008 | 130 | 2013-14 | 57 | 69 | 58 | 57 | 55 | 54 | 54 | 55 | 46 | 56 | 41 | 67 | 46 | 40 | 30 | 728 | 785 |
| 2009 | 101 | 2014-15 | 57 | 69 | 58 | 57 | 55 | 54 | 54 | 55 | 46 | 56 | 41 | 67 | 46 | 40 | 30 | 728 | 785 |
| 2010 | 97 | 2015-16 | 115 | 48 | 63 | 65 | 63 | 60 | 52 | 53 | 56 | 52 | 56 | 56 | 45 | 27 | 56 | 752 | 867 |


| Historical Enrollment in Grade Combinations |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | PK-5 | K-5 | K-6 | K-8 | $\mathbf{5 - 8}$ | $\mathbf{6 - 8}$ | $\mathbf{7 - 8}$ | $\mathbf{7 - 1 2}$ | $\mathbf{9 - 1 2}$ |
| $\mathbf{2 0 0 5 - 0 6}$ | 382 | 314 | 366 | 485 | 230 | 171 | 119 | 331 | 212 |
| $\mathbf{2 0 0 6 - 0 7}$ | 383 | 310 | 369 | 478 | 219 | 168 | 109 | 329 | 220 |
| $\mathbf{2 0 0 7 - 0 8}$ | 372 | 309 | 349 | 459 | 198 | 150 | 110 | 315 | 205 |
| $\mathbf{2 0 0 8 - 0 9}$ | 414 | 345 | 399 | 508 | 221 | 163 | 109 | 320 | 211 |
| $\mathbf{2 0 0 9 - 1 0}$ | 431 | 361 | 429 | 532 | 212 | 171 | 103 | 342 | 239 |
| $\mathbf{2 0 1 0 - 1 1}$ | 450 | 364 | 399 | 505 | 197 | 141 | 106 | 316 | 210 |
| $\mathbf{2 0 1 1 - 1 2}$ | 456 | 366 | 424 | 523 | 209 | 157 | 99 | 353 | 254 |
| $\mathbf{2 0 1 2 - 1 3}$ | 469 | 376 | 426 | 531 | 218 | 155 | 105 | 345 | 240 |
| $\mathbf{2 0 1 3 - 1 4}$ | 404 | 347 | 402 | 504 | 211 | 157 | 102 | 296 | 194 |
| $\mathbf{2 0 1 4 - 1 5}$ | 404 | 347 | 402 | 504 | 211 | 157 | 102 | 296 | 194 |
| $\mathbf{2 0 1 5 - 1 6}$ | 466 | 351 | 404 | 512 | 213 | 161 | 108 | 292 | 184 |


| Historical Percentage Changes |  |  |  |
| :---: | :---: | :---: | :---: |
| Year | K-12 | Diff. | $\%$ |
| $\mathbf{2 0 0 5 - 0 6}$ | 726 | 0 | $0.0 \%$ |
| $\mathbf{2 0 0 6 - 0 7}$ | 718 | -8 | $-1.1 \%$ |
| $\mathbf{2 0 0 7 - 0 8}$ | 681 | -37 | $-5.2 \%$ |
| $\mathbf{2 0 0 8 - 0 9}$ | 744 | 63 | $9.3 \%$ |
| $\mathbf{2 0 0 9 - 1 0}$ | 803 | 59 | $7.9 \%$ |
| $\mathbf{2 0 1 0 - 1 1}$ | 760 | -43 | $-5.4 \%$ |
| $\mathbf{2 0 1 1 - 1 2}$ | 836 | 76 | $10.0 \%$ |
| $\mathbf{2 0 1 2 - 1 3}$ | 806 | -30 | $-3.6 \%$ |
| $\mathbf{2 0 1 3 - 1 4}$ | 728 | -78 | $-9.7 \%$ |
| $\mathbf{2 0 1 4 - 1 5}$ | 728 | 0 | $0.0 \%$ |
| $\mathbf{2 0 1 5 - 1 6}$ | 752 | 24 | $3.3 \%$ |
| Change | $\mathbf{2 6}$ |  |  |

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## M5.SDEF <br> Winooski, VT Historical Enrollment

PK-12, 2005-2015

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Enrollment Projections By Grade*

| Birth Year | Births |  | School Year | PK | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | UNGR | K-12 | PK-12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | 97 |  | 2015-16 | 115 | 48 | 63 | 65 | 63 | 60 | 52 | 53 | 56 | 52 | 56 | 56 | 45 | 27 | 56 | 752 | 867 |
| 2011 | 106 |  | 2016-17 | 115 | 60 | 42 | 62 | 67 | 62 | 57 | 50 | 49 | 61 | 46 | 77 | 43 | 31 | 56 | 763 | 878 |
| 2012 | 124 |  | 2017-18 | 115 | 71 | 53 | 41 | 63 | 65 | 59 | 55 | 46 | 53 | 54 | 63 | 59 | 30 | 56 | 768 | 883 |
| 2013 | 120 |  | 2018-19 | 115 | 68 | 63 | 52 | 42 | 62 | 62 | 57 | 51 | 50 | 47 | 74 | 49 | 41 | 56 | 774 | 889 |
| 2014 | 102 | (prov.) | 2019-20 | 115 | 58 | 60 | 62 | 53 | 41 | 59 | 59 | 53 | 56 | 44 | 64 | 57 | 34 | 56 | 756 | 871 |
| 2015 | 110 | (est.) | 2020-21 | 115 | 63 | 51 | 59 | 63 | 52 | 39 | 57 | 55 | 58 | 50 | 60 | 49 | 39 | 56 | 751 | 866 |
| 2016 | 112 | (est.) | 2021-22 | 115 | 64 | 56 | 50 | 60 | 62 | 49 | 37 | 53 | 60 | 52 | 69 | 46 | 34 | 56 | 748 | 863 |
| 2017 | 114 | (est.) | 2022-23 | 115 | 65 | 56 | 55 | 51 | 59 | 59 | 47 | 34 | 58 | 53 | 71 | 53 | 32 | 56 | 749 | 864 |
| 2018 | 112 | (est.) | 2023-24 | 115 | 64 | 57 | 55 | 56 | 50 | 56 | 57 | 43 | 37 | 52 | 73 | 55 | 36 | 56 | 747 | 862 |
| 2019 | 110 | (est.) | 2024-25 | 115 | 63 | 56 | 56 | 56 | 55 | 47 | 54 | 53 | 47 | 33 | 71 | 56 | 38 | 56 | 741 | 856 |
| 2020 | 111 | (est.) | 2025-26 | 115 | 63 | 56 | 55 | 57 | 55 | 52 | 45 | 50 | 58 | 42 | 45 | 55 | 39 | 56 | 728 | 843 |

*Projections should be updated on an annual basis.
$\square$ Based on an estimate of births
$\square$ Based on children already born
Based on students already enrolled

| Projected Enrollment in Grade Combinations* |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | PK-5 | K-5 | K-6 | K-8 | $\mathbf{5 - 8}$ | $\mathbf{6 - 8}$ | $\mathbf{7 - 8}$ | $\mathbf{7 - 1 2}$ | $\mathbf{9 - 1 2}$ |
| $\mathbf{2 0 1 5 - 1 6}$ | 299 | 351 | 404 | 512 | 213 | 161 | 108 | 292 | 184 |
| $\mathbf{2 0 1 6 - 1 7}$ | 293 | 350 | 400 | 510 | 217 | 160 | 110 | 307 | 197 |
| $\mathbf{2 0 1 7 - 1 8}$ | 293 | 352 | 407 | 506 | 213 | 154 | 99 | 305 | 206 |
| $\mathbf{2 0 1 8 - 1 9}$ | 287 | 349 | 406 | 507 | 220 | 158 | 101 | 312 | 211 |
| $\mathbf{2 0 1 9 - 2 0}$ | 274 | 333 | 392 | 501 | 227 | 168 | 109 | 308 | 199 |
| $\mathbf{2 0 2 0 - 2 1}$ | 288 | 327 | 384 | 497 | 209 | 170 | 113 | 311 | 198 |
| $\mathbf{2 0 2 1 - 2 2}$ | 292 | 341 | 378 | 491 | 199 | 150 | 113 | 314 | 201 |
| $\mathbf{2 0 2 2 - 2 3}$ | 286 | 345 | 392 | 484 | 198 | 139 | 92 | 301 | 209 |
| $\mathbf{2 0 2 3 - 2 4}$ | 282 | 338 | 395 | 475 | 193 | 137 | 80 | 296 | 216 |
| $\mathbf{2 0 2 4 - 2 5}$ | 286 | 333 | 387 | 487 | 201 | 154 | 100 | 298 | 198 |
| $\mathbf{2 0 2 5 - 2 6}$ | 286 | 338 | 383 | 491 | 205 | 153 | 108 | 289 | 181 |

See "Reliability of Enrollment Projections" section of accompanying letter.
Projections are more reliable for Years \#1-5 in the future than for Years \#6 and beyond.

| Projected Percentage Changes |  |  |  |
| :---: | :---: | :---: | :---: |
| Year | K-12 | Diff. | $\%$ |
| $\mathbf{2 0 1 5 - 1 6}$ | 752 | 0 | $0.0 \%$ |
| $\mathbf{2 0 1 6 - 1 7}$ | 763 | 11 | $1.5 \%$ |
| $\mathbf{2 0 1 7 - 1 8}$ | 768 | 5 | $0.7 \%$ |
| $\mathbf{2 0 1 8 - 1 9}$ | 774 | 6 | $0.8 \%$ |
| $\mathbf{2 0 1 9 - 2 0}$ | 756 | -18 | $-2.3 \%$ |
| $\mathbf{2 0 2 0 - 2 1}$ | 751 | -5 | $-0.7 \%$ |
| $\mathbf{2 0 2 1 - 2 2}$ | 748 | -3 | $-0.4 \%$ |
| $\mathbf{2 0 2 2 - 2 3}$ | 749 | 1 | $0.1 \%$ |
| $\mathbf{2 0 2 3 - 2 4}$ | 747 | -2 | $-0.3 \%$ |
| $\mathbf{2 0 2 4 - 2 5}$ | 741 | -6 | $-0.8 \%$ |
| $\mathbf{2 0 2 5 - 2 6}$ | 728 | -13 | $-1.8 \%$ |
| Change |  | $\mathbf{2}$ | $\mathbf{- 2 4}$ |

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## TESDEF

## Winooski, VT Projected Enrollment

PK-12 TO 2025 Based On Data Through School Year 2015-16


[^0]
## MESDEF <br> Winooski, VT Historical \& Projected Enrollment

PK-12, 2005-2025

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## T/ESDEF

## Winooski, VT Birth-to-Kindergarten Relationship



## HESDIES

## Winooski, VT Additional Data

| Building Permits Issued |  |  |
| :---: | :---: | :---: |
| Year | Single-Family | Multi-Units |
| 2005 | 1 | 0 |
|  |  |  |
| 2011 | 2 | 0 |
| 2012 | 2 | 0 |
| 2013 | 2 | 0 |
| 2014 | 3 | 0 |
| 2015 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |


| $\begin{array}{c}\text { Enrollment History } \\ \text { Voc-Tech } \\ \text { Year }\end{array}$ |  |  |
| :---: | :---: | :---: | \(\left.\begin{array}{c}Non-Public <br>

K-12 Total\end{array}\right]\)

Source: HUD and Building Department
*Plus 27 ungraded


The above data were used to assist in the preparation of the enrollment projections. If additional demographic work is needed, please contact our office.
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