# SHAKER REGIONAL SCHOOL DISTRICT. STUDENT ENROLLMENT PROJECTIONS UPDATE: 2007-2016 

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# SHAKER REGIONAL SCHOOL DISTRICT STUDENT ENROLLMENT PROJECTIONS UPDATE: 2007-2016 December 2006 

## KEY RESULTS

Actual school enrollment in the District declined this year and our projections forecast a continued enrollment drop over the next ten years. The comparison between the actual and projected enrollment this year reverses in many ways the comparison between the forecast and actual enrollment for the 2005-2006 school year.

- Last year's projections overestimated this fall's total District enrollment by between 11 and 24 students.
- We underestimated enrollment in Canterbury Elementary School and the High School, and overestimated it in Belmont Elementary School and the Middle School.
This year's comparison appears in Figure 8 and we present a three-year comparison in Figure 9. The updated enrollment projections appear in Figures 1-6; we've made slight changes to these figures-we've included the current year's actual enrollment so you can better put the projections in context. We've also added a few more figures, which we hope will prove useful. All the figures appear in a separate section following the text.


## OBJECTIVE

This annual update of student enrollment projections for the Shaker Regional School District provides information to enable the School Board to anticipate potential changes in student enrollment that could affect operations or facilities needs. The enrollment projection model relies on past enrollment patterns, birth rates, and population. Proposed near-term housing development in the District's towns could impact enrollment. Conducting the annual updates can help the School Board anticipate the need or opportunity for action.

## METHODOLOGY

As part of our attempt to provide accurate enrollment forecasts, we tweak our methodology each year, while employing the same overall approach and key information that we've used in prior years. This year is no different. To generate the projections we used historic population, births (through 2006-estimated), student enroliment data (including figures for the current school year), and projected population from the NH Office of Energy and Planning. We relied on secondary information, but also had conversations with state and town staff. As in prior years, we used a projection model provided by the NH Office of State Planning (now the Office of Energy and Planning) that calculates grade-progression ratios, then applies the ratios along with anticipated births to forecast future enrollment.

As in prior years, the projections include kindergarten (based upon historic trends) as well as readiness students (included in the first grade figures). We did not assume mandatory kindergarten nor did we include any pre-school students.

We made the following changes to this year's projection methodology.

- Belmont Elementary School (BES): As can be seen in Figure 11, of the District's schools, BES has experienced the largest enrollment drop over the past six years. To better deal with that, while taking into account the potential impact of proposed housing developments, we increased the range of our high and low projections.
- First, we made assumptions that increased the difference in projected births more than in the past. For the low range, we used the lower birth rate per 100 people that has existed in town over the past five years. We also projected future population to grow at a rate comparable to the recent past. For the high range, we assumed a slightly higher birth rate, reflecting longer historic patterns. We also used the State's population projections, which by 2011 were more than 600 people greater than what we forecast for the low range. As shown in Figure 7, the difference in projected births between the two ranges starts at 8 in 2007 and rises to 14 in 2011.
- Second, because of the enrollment decline, we flipped the grade-progression ratio set that we used for the low and high range projections. Last year, we used the 5year ratios for the low projections. As the name implies, these ratios take into account school enrollment for the previous five years. This year we used them for the high range. We used the three-year weighted-average, grade-progression ratios for the low-range forecast. This set of ratios reflects the previous three years of student enrollment, with the most recent year carrying a weight of three, the second most recent year a weight of two, and the year before that just one. This set of ratios will be more responsive to sudden changes in school enrollment (right now weighing more heavily the recent enrollment declines), while still using multiple years as the basis of the projections.


## - Canterbury Elementary School (CES):

- Although enrollment at CES has been more stable than at BES, the fact that we underestimated enrollment this year, led us to make low- and high-range projections for CES, as we do for the District's other schools. The only difference between the two projections is the grade progression ratio set we use: for the low range we used the five-year grade progression ratios and for the high range we used the three-year weighted average ratios. We used the same figures for projected births for both enrollment projections (please refer to Figure 8).
- We continued one additional assumption from last year when projecting Canterbury grade 5: we assumed some Canterbury students would attend Belmont Middle School. The October enrollment figures revealed that about $30 \%$ of the Canterbury grade five students attended the Middle School instead of CES. We used that figure to adjust our projections for fifth grade enrollment in both schools. From a facilities planning perspective, this is a more conservative approach, since CES has plenty of room, whereas space in the Middle School is tight. We note that the pattern of Canterbury fifth graders attending the Middle School is volatile: last year about half of Canterbury's grade 5 students went to
the Middle School. The big drop from last year to this (from 50\% to 30\%) explained in part why we underestimated CES enrollment this year. In fact, we have only two years of data for this phenomenon, so we don't have enough information to define a true pattern.
- Belmont Middle School and High School: The only change we made this year was to reverse the grade progression ratios we used for each set of projections. So, for the low range we used the three-year weighed average ratios and for the high range we used the five-year grade progression ratios. We made the switch because, in general the results fit better with the respective low and high ranges. Nevertheless, you will notice that in some years the lowrange projected enrollment is greater than it is for the high-range.


## SUMMARY OF RESULTS

## Actual Versus Projected Enrollment

This year, we not only compared last year's forecast with this fall's enrollment, but we also looked at the accuracy of the three years of projections we've made since starting to produce the annual updates. These comparisons appear in Figures 9 and 10. We also provide enrollment by school since 2001 in Figure 11.

- District Total: Overall for the 2006-2007 school year, we overestimated enrollment by between 11 and 24 students (for the low- and high-range projections). Enrollment in CES and the Middle School declined, while it increased in BES and the High School. The biggest enrollment changes were in the Middle and High Schools. In the prior two years, we underestimated total enrollment, with the net over the three years being fairly close.
- Belmont Elementary School: We overestimated BES enrollment for this fall by between 7 and 18 students, with the biggest differences being in first grade and kindergarten, respectively. The first two years of projections just slightly underestimated BES enrollment (even though it dropped both years), so over the three years we've been on the high side.
- Canterbury Elementary School: For the 2006-2007 school year we underestimated enrollment at CES by 7 students ( 6 alone in fifth grade, which, as noted above, in part reflects the lower percentage of Canterbury fifth grade students who attended the Middle School). Our projections for the other grades were fairly accurate (more so than with the BES forecast). Although our projections for the 2005-2006 school year were right on, we greatly overestimated enrollment the prior year. Enrollment rose in the 2004-2005 school year, but has declined each year since then On balance then, over the three yeas we overestimated enrollment.
- Belmont Middle School: We overestimated enrollment in the Middle School by 16 to 17 students, with the biggest error in seventh grade ( 14 to 15 students). As noted, part of our overestimation of fifth grade enrollment stems from the fact that a lower percentage of Canterbury fifth graders attended the Middle School this year than we had projected. Over the three years, we've seen swings, overestimating enrollment in our 2003 update and greatly underestimating it in 2004. Overall we've been on the high side with our projections, as enrollment has declined.
- Belmont High School: High School enrollment this year exhibited the greatest grade-bygrade variation from our projections, yet our total forecast was very close. Overall, we underestimated enrollment by 4 to 5 students. We overestimated enrollment for grades nine and ten, but underestimated it for eleventh and twelfth grades. We're uncertain whether this reflects the District's efforts to reduce the dropout rate. Based upon dropout figures for the past several years from the NH Department of Education (Division of Program Support, Bureau of Information Services), Belmont High School's dropout rate was fairly constant between the 2002-2003 and 2004-2005 school years (between 13 and 14 students), when it was about half of what it had been in the 2000-2001 school year ( 28 students). Certainly, this is wonderful progress and a positive trend. Since it has continued for a few years, we would have expected our projection model to pick it up, so other reasons likely contributed to our underestimating enrollment in these two grades. Last year's update produced our most accurate forecast thus far, as we greatly underestimated the 2004 enrollment and overestimated it for the 2005-2006 school year. Despite the fact that our enrollment forecasts for the High School have gotten increasingly accurate over the three years, on balance they showed the greatest variance with actual enrollment. They were also the only set that underestimated enrollment (for the other schools, on balance, we overestimated it).

Although the above comparison highlights where our projections missed the mark, overall we think they've been fairly accurate and we hope they've been useful to the Board. On balance over the three sets of projections, our forecasts were off by less than one percent for the District as a whole. On a school basis, the largest percentage error (almost four percent) was at BHS. For CES, the projections were off around 3.5 percent. For BES the variance was about two percent, and for the Middle School it was closer to 1.5 percent. Despite variations by grade, the relative accuracy of the total school enrollment forecasts should help the Board monitor building capacity issues.

## The Projections for 2007-2016

The updated projections continue to show a decline in total student enrollment over the next ten years (see Figure 1). As discussed below and shown in Figures 2 through 6, each school in the District has a somewhat different pattern. The projections once again indicate that the Middle School will have a serious capacity issue in the short term. Yet, overall, the District could experience a fairly significant enrollment drop over the projection period.

We appreciate the Board's need to anticipate the District's facility needs. The large proposed housing developments in Belmont and the conversion of seasonal homes to year-round residences in Canterbury's Sherwood Forest development are just two reasons for closely monitoring student enrollment. Whereas the annual building permit limit in Canterbury restricts year-to-year population (and enrollment) changes, the absence of land use controls in Belmont that would help the town manage its growth complicates matters. Because of the range of factors affecting the District's enrollment, the Discussion section below addresses the District's demographic and enrollment trends as well as broader demographic conditions. We hope this discussion puts our projections in a useful context and helps the Board understand their implications.

The projection results appear in Figures 1 through 6 . Historic and projected births, birth rates, and projected population appear in Figures 7 and 8 .

- Total Enrollment: As shown in Figure 1, we forecast that total enrollment will decline to between $\mathbf{1 , 2 3 6}$ and 1,300 students by 2016, compared to the 2006 fall enrollment of 1,472 . Unlike our previous projections, this year's high-range forecast doesn't show an increase in enrollment towards the end of the projection period. One reason for this might be the continuing enrollment decline the District has experienced, which is becoming a better-established pattern influencing our projection model. As we have noted before, the further out we project, the less accurate the figures are likely to be. Yet, based upon broader factors discussed in the next section, the decreasing trend in enrollment might actually hold for the next ten years. Figure 2 presents the enrollment projections by school total. Three patterns are evident:
- CES's enrollment staying fairly steady;
- BES's enrollment declining then, after 2011, rising (which might largely reflect the increased number of births we're projecting than has been the average over the past five years)
- the Middle School and High School enrollments declining over the entire projection period.
Although it is very far off, the potential growth in BES enrollment after 2011 is noteworthy. If this increase occurs, the Middle School will start feeling the effects in 2017 and the High School will be impacted four years later.
- Belmont Elementary School: Figure 3 shows that we project a declining enrollment for the next several years, possibly followed by an increase. Under both the low and high projections, enrollment bottoms out in 2011 at about 55-60 students fewer than this year's total. After that, we forecast enrollment rising to either somewhat less ( 404 students) or more ( 441 students) than today's figure. then picks up to levels at least comparable to and perhaps far in excess of what we have today. Note that, while this pattern is similar to what we estimated last year, the growth in the second half of the projection period isn't as dramatic.
- Canterbury Elementary School: Figure 4 indicates that enrollment is projected to remain fairly steady through $\mathbf{2 0 1 6}$. What's interesting is that the projections are generally higher than they were last year. This year's growth in actual enrollment is likely part of the reason.
- The Middle School: As can be seen in Figure 5, we forecast that enrollment will increase for two to three years (equaling or exceeding the school's capacity) then generally decline for the remainder of the projection period. (Note that we have assumed that thirty percent of Canterbury's fifth-grade students will attend the Middle School, rather than stay at CES.) This year's projections show a similar pattern to last year's. By 2016, total enrollment could be more than 100 students less than the school's current total. If the projected increase in BES enrollment materializes, these additional students will start reaching the Middle School in 2017 and absorb at least some of the excess capacity.
- The High School: Figure 6 shows that enrollment will grow to a peak of up to 470 students in 2009 and then steadily decline to around 100 students fewer than today's total. This pattern is similar to what we forecast last year, but the year-toyear totals are consistently less. As noted previously, success with dropout-prevention
programs will impact enrollment and our projection model will pick that up if the trend continues.


## DISCUSSION: WHAT THE FACTS ARE TELLING US ABOUT ENROLLMENT AND POPULATION TRENDS

The enrollment decline we project this year is consistent with our prior forecasts. It should not surprise the Board, especially with a drop of 35 students this year alone in actual District enrolment. We think it's important to address the following key questions so that the results can be placed in context and be more fully understood.

- Why are we predicting declining enrollment?
- Won't enrollment increase as population increases?
- What are the broader demographic conditions that are influencing enrollment patterns?

To address these and related questions, we start with the key factors underlying the projection model, a standard methodology that has worked reasonably well for the District. The projection results are driven by the following three factors.

- Recent enrollment trends
- Birth rates
- Population


## Enrollment Trends

As presented in Figure 11, the District's enrollment has declined by almost 70 students (about 4.6 percent) over the past several years, despite increasing populations in both towns. Indeed, during the same period, the estimated population in the District increased by almost 800 people ( 8.7 percent). Note that the percentage decrease in enrollment is about half of the percentage increase in population, a swing of more than 13 percent. In other words, if enrollment proportionately followed population trends, the District should have 13 percent more students (about 200) than it does today, or a total enroliment of around $\mathbf{1 6 7 0 .}$

A normal question when considering the impact of population growth on enroliment relates to families moving into the District with school-age children. Should we expect growing enrollment as the population grows? Enrollment figures represent the net effect of multiple movements of students in and out of a district's schools: young children of established residents starting school; children of new residents entering school; children returning to public school from private ones; children leaving a district for one of several reasons-graduation, transfer to schools outside the district, and dropping out to go to work, enter the military, etc. The enrollment figures for the six-year period we use as the basis of the projections tell us is that all these movements combined have resulted in decreased enrollment, even though the population of both towns has increased. The implications for the District of this pattern are potentially significant: as the population in the District's towns increases, student enrollment will not necessarily increase, and if it does, it will likely not grow as much as it has in the past.

We have some new information this year that provides further insights into population movement and its relation to enrollment. Discussion Paper 06-1, dated October 2006, from the New England Public Policy Center at the Federal Reserve Bank of Boston is entitled "New England migration trends." The paper uses Internal Revenue Service data by county to analyze migration trends from 2003 to 2004 within each New England state, within the New England region, and between New England and the rest of the country and the rest of the world. Merrimack and Belknap counties overall experienced net in-migration, with Belknap county's rate being somewhat higher. The greatest sources of new residents to these two counties were the rest of New Hampshire and other New England states. Indeed, while the counties had a very small net in-migration internationally, they both experienced net out-migration with the rest of the country. The significance here is that, according to this report, "New England's population has long grown more slowly than the national average, due in equal measure to out-migration and a slower rate of natural increase." (Italics added for emphasis.) Thus, the new residents moving into our two counties largely consist of people from elsewhere in New England who, in general, have fewer children.

## Birth Rates

Turning to birth rates, Figures 7 and 8 show that birth rates in both towns have been dropping. As we've pointed out in prior reports, the declining birth rates is part of a broader demographic trend. Our nation is on the cusp of the "echo" generation. The child-bearing years of the "baby boomers" is over, people are getting married later and having children later, and perhaps even having fewer children. Birth rates in Belmont and Canterbury have been decreasing at least since the early 1990s. While birth rates have fluctuated from year to year, the downward trend is clear. When preparing the projections, we used historic birth rates. Yet, if the trend over the past ten years continue, birth rates may continue to drop, which would reduce enrollment below what we have forecast. Again, the implications for the District are significant: declining birth rates mean that population increases will not necessarily result in a proportionate increase in births-and, ultimately, school-age children.

## Population

Population is the next key factor used in our projection model. The projection methodology does not directly take future population into account, other than as it impacts the number of births. As noted in our description of the projection methodology, Canterbury has grown faster than the State projected, whereas Belmont has grown more slowly than anticipated. We took these factors into account in our projections, especially in Belmont where we included a wide range of future town population.

Aside from using population to project total births, the methodology is keyed primarily on enrollment trends and the progression of students through the school system. As noted above, actual enrollment is a net figure of students entering and leaving the District's schools. These movements also reflect population changes. The projection model assumes the pattern in recent years will be repeated. As each new year's enrollment figures are added to the model, the trends are updated. If a sudden increase in enrollment occurs it will impact the projections. The size of the impact will be greater on the three-year weighted average progression ratio than it will be on the five-year average ratio.

To help us look at near-term population growth, we obtained building permit information from Belmont and Canterbury to give us some first-hand information about actual building trends in the two towns. These data show that growth is slowing.

- Belmont: Activity has slowed somewhat from the recent highs in 2003. The one-year moratorium on sub-divisions adopted in 2004 had at least a short-term impact. Building permit data bear this out. In 2003 the Town issued permits for 45 singlefamily homes and 10 duplex units. Those figures dropped respectively to 38 and 1 in 2004,25 and 1 in 2005 , and 25 and 2 in 2006 . We learned that there is a new proposed sub-division for $150-200$ homes, but it has not yet been approved and we have no idea of the likely rate of build out.
- Canterbury: In 2004 the town voted to reduce the cap on new building permits from four percent of the total units in town to three percent. With the lower cap, 26 permits could have been issued in 2004 and 2005 and 27 in 2006. Not only did the number of permits issued over the past three years not reach these limits, they actually declined from 25 in 2004 to 14 in 2005 and just 9 thus far this year (one of these is for a duplex).

This information shows that population growth in Beimont and Canterbury has been at least temporarily slowing down. In the very short term this could reflect current national economic conditions and the state of the housing market. The slowing down of the rate of increase in home prices (and in some cases the actual decline of housing prices) and higher interest rates (which, in part is likely causing the slow down) are also impacting the level of new construction. The National Association of Business Economics' latest forecast predicts a national total of 1.8 million housing permits in 2006 compared with 2.1 million in 2005. The forecast for 2007 ranges between 1.4 and 1.8 million units, continuing the slide. Each quarter this year the forecast has been slightly lowered, so at least in the short term, the slow down seems increasingly likely. New England appears to be hit harder than the rest of country, although New Hampshire is the only state in the region with employment growth that approaches the national average. The bottom line is that in the short term we should not expect any significant population increases in Belmont or Canterbury.

## DISCUSSION: BROADER DEMOGRAPHIC TRENDS

The District's recent declining enrollment despite population growth reflects larger demographic trends. It isn't unique. These trends are affecting districts throughout New Hampshire and the impact is evident for the state as a whole. The region, too, is affected. Let's take a look.

- Figure 12 shows enrollment and population changes between 2000 and 2005 for 41 school districts in New Hampshire. The data come from the NH Department of Education and the NH Office of Energy and Planning. As can be seen, 40 of the districts shown had increasing population yet decreasing enrollment (Claremont's population dropped slightly, but the decrease in enrollment was almost four times as great). In some cases, the figures are dramatic. In others, they're not, but the pattern is the same. And the implications are real. A recent Concord Monitor article noted that the Concord School Board is looking into consolidating from eight elementary schools to five.
- The larger pool of data from which we created Figure 12, tells the same story. Of the 165 schools districts in the state, 108 (accounting for more than half of the state's total student
enrollment) experienced enrollment declines between 2000 and 2005. The total decrease for these districts was almost 8000 students. Sixty-four of the districts have enrollments exceeding 1000 students. Of those, 37 saw a decline in enrollment from just one student to almost 700 ( 30 districts had enrollment decreases of more than 50 students).
- Figure 13 shows the impact of these district changes on the state as a whole. We've included this table in each of our reports and the trend identified three years ago is continuing as predicted. The table clearly demonstrates that, starting in the 1996-1997 school year, enrollment peaked and then dropped in consecutive grades, starting with first grade. Although the state's total student enrollment continued to increase until the 2002-2003 school year, since then it has steadily declined. In fact, total student enrollment for the 20052006 school year was less than it was for the 2000-2001 school year, even though the state's total population increased by almost 80,000 people during this period. Also note that these trends apply fairly consistently across public district schools, all public schools, and total school enrollment, including private schools.
- We get some indication of future state trends by looking at Figure 14, which presents US Census and NH Office of Energy and Planning population estimates and projections from 2000 to 2020 . This figure shows that, despite projected state population increases between 2000 and 2020, the number of school-age children is expected to decline. This pattern mirrors what we've projected for the District. Following an increase from 2000 to 2005 , the school-age population is forecast to steadily decline until 2020. And, even though the 20-34 age group (the primary child bearing category) is projected to grow significantly between 2005 and 2020, the projected number of 0-4 year olds doesn't reach the 2000 total until some time between 2015 and 2020. Perhaps the NH OEP believes current trends of couples having fewer children later in life will continue during this period. Figures 13 and 14 depict a pattern of population and student enrollment spanning 24 years. At this point the pattern seems wellentrenched. This means that recent published reports (by the New England Economic Partnership) about NH leading the New England region out of the current economic downturn will not significantly impact the state's school enrollment or change the overall conclusions we've come to in this year's update.
- From a regional perspective, we also see the same trend. The Institute of Education Sciences, part of the National Center on Education Statistics of the US Department of Education, in the publication The Condition of Education 2006, shows that total school enrollment in the northeastern US peaked in the 2002-2003 school year. In fact, the region's enrollment in 2005 and 2000 was the same, even though population had increased by more than 1.2 million people (as estimated by the US Census Bureau, Population Division, Interim State Population Projections, 2005). The US DOE report projects that enrollment in the region will drop by almost 350,000 students between 2005 and 2015. At the same time, the Census Bureau projects that region's population will increase by almost 1.8 million people. This pattern is not confined to the northeast. Despite a projected population increase of more than 1 million people in the mid-west from 2005 to 2015 , that region's student enrollment is expected to decline and only partially recover during this period.

From this information, it should be clear that what's happening in the District is not unique, but rather reflects broad demographic trends affecting not only the rest of the state, but also the surrounding region. At the core they foreshadow declining student enrollment, at least for a period of time and a changed relationship between population growth and student enrollment. Can there be exceptions? Sure. But the evidence we've seen to date indicates that the District, despite recent accolades and a growing population, is not an exception.

## THE POTENTIAL IMPACT OF LARGE HOUSING DEVELOPMENTS

Regardless of these trends, there is concern that proposed large housing developments in Belmont could dramatically increase student enrollment. Although there are many uncertainties, we think the information presented above indicates the impact might not be as dramatic as some people fear. In last year's report, we examined state-level demographic trends specifically to address the issue of the potential enrollment impact of these housing developments. We cited information from reports issued by Applied Economic Research of Laconia. The facts and trends highlighted then apply as much this year as they did last. We will not reproduce that discussion here, but suggest that anyone who is interested and did not read last year's report should review that section.

It is useful, however, to summarize some of the key questions and our conclusions.

- Will these developments (proposed in 2005) increase Belmont's growth by raising the number of new homes built each year above recent averages? From the building permit information presented earlier, it appears the answer is no. In fact, the total number of permits issued each year in 2005 and 2006 were less than in the prior years.
- How quickly will these developments be built out? Obviously, the longer the build-out period, the less likely will there be a dramatic enrollment impact. Initial build-out estimates cited in news articles were three to six years. During this period we project that total enrollment could drop by more than 100 students, so that the impact on the District would be less than if we were already forecasting a rising enrollment. As noted above, the number of building permits issued by the Town in 2005 and 2006 was actually lower than in prior years. This fact and the overall slow down in the housing market indicate that build out will likely occur towards the high end of this range, if not over an even longer time period.
- The type and size of the new homes and the make up of the families that move into them will impact the population and school enrollment growth resulting from these developments. Assuming a mix of housing sizes and an average distribution of family make up, we conservatively estimated last year that the developments could add from 100 to 200 students to the District's schools. It's impossible for us to predict the ages of children moving into these homes, so we could only estimate a potential total District enrollment increase-we can't predict which schools would be impacted.

From the above, we think last year's estimate was reasonable and possibly even conservative (on the high side) in terms of the rate of build out and associated population and enrollment impacts. We also note that, despite the building permits issued and new homes built in both towns, school enrollment declined. We have repeatedly stated that all evidence indicates that population growth in Belmont and Canterbury will not result in the same rate of enrollment growth as it has in the past. Recent history proves these statements to be correct.

We do acknowledge that a sudden, dramatic population increase could impact enrollment. Because of the lack of controls in Belmont, it is here where such growth could theoretically occur. However, based upon the information we've gathered this year, we think such an increase is unlikely, at least in the short term. At the same time, the major proposed developments in Belmont warrant monitoring, so the Board and administration can anticipate any significant enrollment impact. Conducting the annual enrollment updates and our using both three- and fiveyear base periods for our projections are part of such a monitoring effort.

## CONCLUDING REMARKS

As we have done in each of our previous reports, we identify here key factors that could cause actual student enrollment to diverge greatly from what we've projected. These factors are new housing developments, land use controls and/or growth measures in Belmont, and the high school dropout rate. Last year we added school quality, although (within the scope of our research) we haven't detected any student enrollment impact from the District's recent successes. We've already discussed the housing developments in Belmont and the dropout rate. We have no idea whether Belmont will adopt land use controls and/or growth measures. These factors and associated uncertainties again warrant regular monitoring. If they stay relatively stable, we just might find that the biggest force impacting the District's enrollment are the broad demographic trends we've highlighted. So far, that appears to be the case.

In our updates we have consistently focused upon demographic factors that have the greatest impact on student enrollment. Early on we cautioned about forecasting enrollment too far into the future. In some regards, even ten years is a long time. Indeed, recent initiatives by major education organizations in the US are highlighting other factors that could shape the nature of and enrollment in our public schools within the next ten years. For example, last year the Midcontinent Research for Education and Learning (McREL), a 40-year-old regional education laboratory and research center, published "The Future of Schooling: Educating America in 2014." This document highlights key factors that will affect K -12 education and fleshes out a series of future scenarios of what challenges local school districts might face between now and 2014. These factors include the success of schools in meeting the mandates of the No Child Left Behind Act; the reauthorization of that act; the availability of resources at the federal, state, and local levels to support public education; the role of technology in K-12 education; and the impact of the private sector and alternative schools on public school enrollment. The scenarios depict drastically different futures for our nation's public schools. The message is that school boards and administrators should take heed and start taking steps to prepare for possible changes in the not-too-distant future. McREL's work is not isolated, indeed the organization is working with the nation's largest accreditation agency and earlier this year engaged in an extended workshop with the education chiefs from most of the states. Certainly, these factors go far beyond our scope, but we mention them because they are real and, under certain conditions, could dramatically impact enrollment-not next year or the year after, but potentially within the horizon of our projections (note that the alternative futures McREL forecast occur well within the ten-year period of this year's update).

Within our scope and budget, we've used our best efforts to project the District's enrollment over the next ten years. We've described the key drivers that affect enrollment and highlighted broad demographic trends that clearly appear to be impacting the District. Because of the uncertainties and the consequences of being wrong, we think the District's undertaking these annual updates makes sense. Whether we're involved or not, such regular check-ups provide the School Board and administration with fresh, up-to-date information and insights that will help them diagnose the situation, anticipate significant changes, and act accordingly. We appreciate the opportunity to participate in this process with you.

## FIGURES

(Data sources for the figures are noted in the body of the report and on selected figures.)

FIGURE 1
SHAKER REGIONAL SCHOOL DISTRICT TOTAL PROJECTED ENROLLMENT 2007 TO 2016 December 2006

|  | LOW |  | HIGH |  |
| :---: | :---: | :---: | :---: | :---: |
| YEAR | "06 UPDATE | "05 UPDATE | "06 UPDATE | '05 UPDATE |
| 2006 ACTUAL | 1472 | 1483 | 1472 | 1496 |
| 2007 | 1450 | 1467 | 1450 | 1478 |
| 2008 | 1425 | 1404 | 1437 | 1415 |
| 2009 | 1406 | 1393 | 1432 | 1414 |
| 2010 | 1349 | 1360 | 1364 | 1389 |
| 2011 | 1355 | 1355 | 1359 | 1392 |
| 2012 | 1351 | 1332 | 1364 | 1370 |
| 2013 | 1346 | 1320 | 1385 | 1357 |
| 2014 | 1306 | 1330 | 1367 | 1364 |
| 2015 | 1264 | 1322 | 1336 | 1402 |
| 2016 | 1236 |  | 1300 |  |



## FIGURE 2

SHAKER REGIONAL SCHOOL DISTRICT SUMMARY PROJECTED ENROLLMENT 2007 TO 2016 BY SCHOOL

December $200 \%$

| YEAR | LOWRNTE |  |  |  |  |  | HIGHRANGE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | BE8 | CE8 | BMS | BH8 | TOTAL | OG UPDATE | BES | CES | BMAS | BHS | TOTAL | '08 UPDATE |
| 2006 ACTUAL | 420 | 138 | 447 | 467 | 1472 | 1483 | 420 | 138 | 447 | 467 | 1472 | 14\% |
| 2007 | 395 | 128 | 467 | 461 | 1480 | 1487 | 396 | 126 | $4{ }^{1}$ | 457 | 1480 | 1478 |
| 2008 | 383 | 130 | 464 | 448 | 1425 | 1404 | 387 | 134 | 475 | 441 | 1437 | 1415 |
| 2008 | 381 | 126 | 431 | 470 | 1408 | 1393 | 383 | 131 | 450 | 468 | 1432 | 1414 |
| 2010 | 375 | 121 | 419 | 434 | 1349 | 1360 | 373 | 127 | 432 | 432 | 1384 | 1388 |
| 2011 | 364 | 122 | 438 | 432 | 1385 | 1365 | 362 | 129 | 439 | 429 | 1359 | 1382 |
| 2012 | 383 | 127 | 415 | 427 | 1351 | 1332 | 390 | 134 | 415 | 425 | 1384 | 1370 |
| 2013 | 385 | 128 | 425 | 408 | 1348 | 1320 | 403 | 135 | 435 | 412 | 1385 | 1367 |
| 2014 | 308 | 128 | 383 | 407 | 1306 | 1330 | 417 | 133 | 400 | 417 | 1367 | 1384 |
| 2015 | 397 | 130 | 336 | 402 | 1284 | 1322 | 440 | 136 | 349 | 411 | 1336 | 1402 |
| 2018 | 404 | 135 | 334 | 363 | 1236 |  | 441 | 140 | 347 | 372 | 1300 |  |

INDICATES EXCEEDS CORE CAPACITY



## FIGURE 3

## SHAKER REGIONAL SCHOOL DISTRICT

BELMONT ELEMENTARY SCHOOL ENROLLMENT PROJECTIONS BY GRADE: 2007 TO 2016

December 2008

LOW-RANGE PROJECTIONS

|  | K | Grade 1 | Gract 2 | Orade 8 | Orade 4 | CES UPATE TOTAL | Q0 UPDTE TOTAL | CAPACITY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2003 ACTLAL | 69 | 95 | 84 | 82 | 9 | 420 | 427 | 460 |
| 2007 | 52 | 100 | 78 | 80 | 84 | 308 | 408 | 450 |
| 2008 | 71 | 71 | 83 | 76 | 82 | 53 | 350 | 400 |
| 2000 | 69 | 9 | 69 | 79 | 78 | 301 | 347 | 400 |
| 2010 | 84 | 04 | 80 | 66 | 81 | 57 | 24 | 460 |
| 2011 | 44 | 87 | 78 | 77 | 58 | 384 | 846 | 40 |
| 2012 | 69 | 87 | 73 | 75 | 78 | 59 | 874 | 480 |
| 2013 | 74 | 94 | 73 | 70 | 77 | 585 | 417 | 460 |
| 2014 | 72 | 98 | 78 | 70 | 72 | 388 | 477 | 460 |
| 2015 | 73 | 97 | 80 | 75 | 72 | 397 | 42 | 480 |
| 2011 | 70 | 99 | 81 | 77 | 77 | 404 |  | 400 |



HIGH-RANGE PROJECTIONS

|  | K | Crade 1 | Gracke 2 | Crades | Cract 4 | TE LFDTE TOTAL | TEUPDAE TOTAL | CAPACIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2008 ACTUAL | 69 | 95 | 84 | 82 | 90 | 420 | 438 | 460 |
| 2007 | 50 | 95 | 81 | 86 | 84 | 30\% | 413 | 450 |
| 2008 | 68 | 67 | 81 | 83 | 88 | 597 | 590 | 400 |
| 2000 | 67 | 91 | 57 | 83 | 85 | 838 | \$70 | 450 |
| 2010 | 62 | 90 | 78 | 58 | 86 | 378 | 371 | 450 |
| 2011 | 62 | 83 | 71 | 80 | 60 | 382 | 372 | 400 |
| 2012 | 75 | 89 | 71 | 79 | 82 | 90 | 402 | 460 |
| 2013 | 78 | 100 | 71 | 73 | 81 | 403 | 46 | 460 |
| 2014 | 80 | 104 | 85 | 73 | 75 | 417 | 456 | 400 |
| 2015 | 82 | 107 | 89 | 87 | 75 | 40 | 497 | 450 |
| 2018 | 00 | 110 | 91 | 91 | 89 | 441 |  | 400 |



NOTE: FRST ORADE MCLUDES READMESS.

[^0]FIGURE 4 SHAKER REGIONAL SCHOOL DISTRICT CANTERBURY ELEMENTARY SCHOOL
ENROLLMENT PROJ ENROLLMENT PROJECTIONS BY GRADE: 2007 TO 2016 December 2008

NOTE: FIRST GRADE INCLUDES READINESS.
FIGURE 5 SHAKER REGIONAL SCHOOL DISTRICT BELMONT MIDDLE SCHOOL
ENROLLMENT PROJECTIONS BY GRADE: 2007 TO 2016
LOW-RANGE PROJECTIONS

|  |  |
| :---: | :---: |
|  |  |
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| $\stackrel{\infty}{0}$ |  |
|  |  |
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|  |  |


indicates exceeds core capacity
FIGURE 6
SHAKER REGIONAL SCHOOL DISTRICT

HIGH-RANGE PROJECTIONS

|  | ి్రింిద్రి |
| :---: | :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
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| :---: | :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |



FIGURE 7
TOWN OF BELMONT: HISTORIC AND PROJECTED BIRTHS = 1995-2011
Dncumber 2006

| HISTORIC |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| POPULATION | 6239 | 6332 | 6426 | 6521 | 6618 | 6716 | 6811 | 6908 | 7006 | 7106 | 7206 | 7315 |
| Erithe | 71 | 88 | 73 | 81 | 60 | 72 | 71 | 50 | 88 | 67 | 62 | 68 |
| Exthenteo P0P | 1.1 | 1.4 | 1.1 | 1.2 | 0.9 | 1.1 | 1.0 | 0.7 | 1.0 | 0.8 | 0.8 | 0.8 |
| PROJECTED |  |  |  |  |  |  |  |  |  |  |  |  |
| YEAR | 2007 | 2008 | 2009 | 2010 | 2011 |  |  |  |  |  |  |  |
| LOW PROJECTION |  |  |  |  |  |  |  |  |  |  |  |  |
| POPULATION (SLIGHT INCREASE OVER |  |  |  |  |  |  |  |  |  |  |  |  |
| HISTORIC GROWTH RATE) | 7424 | 7536 | 7649 | 7763 | 7880 |  |  |  |  |  |  |  |
| PROJECTED BIRTHS AT THE 2002-2006 AVERAGE BIRTH RATE (0.9/100 PEOPLE) | 67 | 68 | 69 | 70 | 71 |  |  |  |  |  |  |  |
| HIGH PROJECTION |  |  |  |  |  |  |  |  |  |  |  |  |
| POPULATION (MATCH NH STATE FORECAST) | 7497 | 7734 | 7978 | 8230 | 8490 |  |  |  |  |  |  |  |
| PROJECTED BIRTHS AT THE 1996-2006 AVERAGE BIRTH RATE (1.0/100 PEOPLE) | 75 | 77 | 80 | 82 | 85 |  |  |  |  |  |  |  |



FIGURE 8
TOWN OF CANTERBURY: HISTORIC AND PRD JECTED BIRTHS - 1995-2011
December 2008

| HISTORIC |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| POPULATION | 1823 | 1853 | 1884 | 1915 | 1947 | 1979 | 2028 | 2078 | 2129 | 2181 | 2235 | 2289 |
| BIRTHS | 29 | 21 | 29 | 33 | 22 | 23 | 20 | 19 | 27 | 23 | 20 | 25 |
| BIRTHS/100 POP | 1.59 | 1.13 | 1.54 | 1.72 | 1.13 | 1.16 | 0.99 | 0.91 | 1.27 | 1.05 | 0.90 | 1.09 |
| PROJECTED |  |  |  |  |  |  |  |  |  |  |  |  |
| YEAR | 2007 | 2008 | 2009 | 2010 | 2011 |  |  |  |  |  |  |  |
| POPULATION | 2335 | 2382 | 2429 | 2478 | 2527 |  |  |  |  |  |  |  |
| PROJECTED BIRTHS/100 POP | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |  |
| PROJECTED BIRTHS | 23 | 24 | 24 | 25 | 25 |  |  |  |  |  |  |  |



FIGURE 9
SHAKER REGIONAL SCHOOL DISTRICT 2006 ENROLLMENT COMPARED WITH PROJECTIONS December 2006

TOTAL DISTRICT ENROLLMENT

|  | CES | BES | SMS | SHS | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PROJECTED |  |  |  |  |  |
| LOW | 131 | 427 | 463 | 462 | 1483 |
| HIGH | 131 | 438 | 464 | 464 | 1497 |
| ACTUAL | $\mathbf{1 3 8}$ | $\underline{420}$ | $\overline{447}$ | 467 | 1472 |
| PROJECTED |  |  |  |  |  |
| LESS ACTUAL |  |  |  |  |  |
| LOW | -7 | 7 | 16 | -5 | 11 |
| HIGH | -7 | 18 | 17 | 4 | 24 |

CANTERBURY ELEMENTARY SCHOOL

|  | $\mathbf{K}$ | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | TOTAL | CAPACITY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PROJECTED | 18 | 28 | 22 | 34 | 19 | 10 | 131 |  |
| ACTUAL | 20 | 29 | 23 | 32 | 18 | 16 | 138 | 250 |
| PROJECTED |  |  |  |  |  |  |  |  |
| LESS ACTUAL | $\mathbf{- 2}$ | -1 | -1 | 2 | 1 | $\mathbf{- 6}$ | -7 |  |

BELMONT ELEMENTARY SCHOOL

|  | K | Grade 1 | Grade 2 | Grade 3 | Grade 4 | TOTAL | CAPACITY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PROJECTED |  |  |  |  |  |  |  |
| LOW | 69 | 96 | 89 | 84 | 89 | 427 |  |
| HIGH | 77 | 106 | 88 | 77 | 90 | 438 |  |
| ACTUAL | 69 | 95 | 84 | 82 | 90 | 420 | 450 |
| PROJECTED |  |  |  |  |  |  |  |
| LESS ACTUAL | 0 | 1 | 5 |  |  | -1 | 7 |
| LOW | 0 | 11 | 4 | -5 | 0 | 18 |  |
| HIGH | 8 |  |  |  |  |  |  |

MIDDLE SCHOOL

|  | GRADE 5 | Grade 6 | Grade 7 | Grade 8 | TOTAL | CAPACITY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PROJECTED |  |  |  |  |  |  |
| LOW | 93 | 123 | 139 | 108 | 463 |  |
| HIGH | 91 | 127 | 141 | 105 | 464 |  |
| ACTUAL | 84 | 128 | 125 | 110 | 447 | 450 |
| PROJECTED |  |  |  |  |  |  |
| LESS ACTUAL |  |  |  |  |  |  |
| LOW | 9 | -5 | 14 | -2 | 16 |  |
| HIGH | $\mathbf{7}$ | -1 | 16 | -5 | 17 |  |

HIGH SCHOOL

|  | GRADE 9 | Grade 10 | Grade 11 | Grade 12 | TOTAL | CAPACITY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PROJECTED |  |  |  |  |  |  |
| LOW | 150 | 116 | 111 | 85 | 462 |  |
| HIGH | 156 | 113 | 107 | 87 | 463 |  |
| ACTUAL | 148 | 104 | 119 | 96 | 467 | 500 |
| PROJECTED |  |  |  |  |  |  |
| LESS ACTUAL | 2 | 12 | -8 | -11 | -5 |  |
| LOW | 2 | 9 | -12 | -9 | -4 |  |
| HIGH | 8 |  |  |  |  |  |

FIGURE 10
SHAKER REGIONAL SCHOOL DISTRICT COMPARISON OF PROJECTED AND ACTUAL ENROLLMENT:

FOR FORECASTS MADE 2003-2005
Decembar 2006
TOTAL DISTRICT ENROLIMENT

|  | TOTAL ENROLLMENT |  |  |
| :--- | :---: | :---: | :---: |
|  | 08 Foreosst | 04 Forecast | 03 Forecast |
| PROJECTED | 1483 | 1497 | 1530 |
| LOW | 1497 |  |  |
| HIGH | 1472 | 1507 | 1535 |
| ACTUAL | 11 | -10 | -5 |
| PROJECTED LES8 ACTUAL | 24 |  |  |
| LOW | 3 |  |  |
| HIGH |  |  |  |


|  | BELMONT ELEMENTARY |  |  | CANTERBURY ELEMENTARY |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 405 Forecast | 04 Forecast | '03 Forecast | 08 Forecast | "04 Forecast | "03 Forecast |
| PRONECTED |  |  |  |  |  |  |
| LOW | 427 | 417 | 437 | 131 | 141 | 157 |
| HIGH | 438 |  |  | 131 |  |  |
| ACTUAL | 420 | 419 | 439 | 138 | 141 | 145 |
| PROJECTED LESS ACTUAL |  |  |  |  |  |  |
| LOW | 7 | -2 | $-2$ | -7 | 0 | 12 |
| HIGH | 18 |  |  | -7 |  |  |
| NET THREE-YEAR DIFFERENCE |  | 9 |  |  | 5 |  |


|  | MIDDLE SCHOOL |  |  | HIGH SCHOOL |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ${ }^{2} 05$ Forecast | '04 Forecast | 03 Forecast | ${ }^{0} 08$ Forecast | 04 Forecast | 03 Forecast |
| PRONECTED |  |  |  |  |  |  |
| LOW | 463 | 474 | 480 | 462 | 465 | 456 |
| HIGH | 464 |  |  | 464 |  |  |
| ACTUAL | 447 | 496 | 468 | 467 | 451 | 463 |
| PROJECTED LESS ACTUAL |  |  |  |  |  |  |
| LOW | 16 | -22 | 12 | -5 | 14 | $-27$ |
| HIGH | 17 |  |  | -4 |  |  |
| NET THREE-YEAR DIFFERENCE |  | 7 |  |  | -18 |  |

"To calculate the average dfference, we averaged the high and fow projections for the 2005 forecast.

FIGURE 11
SHAKER REGIONAL SCHOOL DISTRICT ENROLLMENT BY SCHOOL AND POPULATION: 2001-2006 December 2006

| YEAR | ENROLLMENT |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DISTRICT |  |  |  |  |  |  |
|  | BES | CES | BMS | BHS | TOTAL | POPULATION |
| 2006 | 420 | 138 | 447 | 467 | 1472 | 9604 |
| 2005 | 419 | 141 | 496 | 451 | 1507 | 9441 |
| 2004 | 439 | 145 | 468 | 483 | 1535 | 9287 |
| 2003 | 472 | 131 | 466 | 453 | 1522 | 9135 |
| 2002 | 445 | 144 | 467 | 495 | 1551 | 8986 |
| 2001 | 451 | 138 | 474 | 472 | 1535 | 8839 |



FIGURE 12
ENROLLMENT AND POPULATION CHANGES IN SELECTED NEW HAMPSHIRE DISTRICTS: 2000-2005 December 2006

| DISTRICT | ENROLLMENT |  |  | $\begin{gathered} 2000-2005 \\ \text { POP CHANGE } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | 2005 | 2000 | 2005-2000 |  |
| Ailenstown | 493 | 675 | -182 | 189 |
| Alton | 599 | 724 | -125 | 489 |
| Amherst | 1,657 | 1,743 | -86 | 758 |
| Auburn | 606 | 625 | -19 | 495 |
| Bamstead | 545 | 553 | -8 | 621 |
| Barrington | 963 | 970 | -7 | 700 |
| Bow | 1,792 | 1,822 | -30 | 667 |
| Chichester | 276 | 280 | -4 | 246 |
| Claremont | 2,011 | 2,114 | -103 | -27 |
| Concord | 5,409 | 5,564 | -155 | 1,634 |
| Conway | 2,045 | 2,204 | -159 | 588 |
| Derry Cooperative | 3,996 | 4,685 | -689 | 634 |
| Dunbarton | 223 | 231 | -8 | 295 |
| Epsom | 469 | 502 | -33 | 491 |
| Exeter | 1,013 | 1,072 | -59 | 505 |
| Farmington | 1,419 | 1,530 | -111 | 936 |
| Franklin | 1,465 | 1,467 | -2 | 281 |
| Gilford | 1,376 | 1,401 | -25 | 484 |
| Hampstead | 1,047 | 1,215 | -168 | 345 |
| Hampton | 1,351 | 1,446 | -95 | 457 |
| Henniker | 481 | 625 | -144 | 522 |
| Hollis | 839 | 866 | -27 | 611 |
| Keene | 3,835 | 3,846 | -11 | 460 |
| Laconia | 2,378 | 2,502 | -124 | 691 |
| Lebanon | 1,949 | 2,105 | -156 | 853 |
| Littleton | 937 | 1,043 | -106 | 436 |
| Merrimack | 4,751 | 4,875 | -124 | 1,490 |
| Moultonborough | 686 | 737 | -51 | 391 |
| Nashua | 12,983 | 13,668 | -685 | 1,381 |
| Newmarket | 1,134 | 1,171 | -37 | 1,279 |
| Northwood | 470 | 537 | -67 | 342 |
| Pittsfield | 724 | 839 | -115 | 431 |
| Plymouth | 451 | 524 | -73 | 495 |
| Portsmouth | 2,572 | 2,706 | -134 | 211 |
| Raymond | 1,589 | 1,842 | -253 | 965 |
| Seabrook | 850 | 885 | -35 | 469 |
| Somersworth | 1,807 | 1,904 | -97 | 403 |
| Stafford | 500 | 532 | -32 | 359 |
| Stratham | 645 | 667 | -22 | 776 |
| Wakefield | 534 | 556 | -22 | 532 |
| Weare | 1,236 | 1,241 | -5 | 1,078 |

FIGURE 13

## State Totals - Ten Years Public and Private Fall Enrollments 1996-1997 Through 2005-2006 <br> April 24, 2006




|  | Totai Pubtle |  |  |  |  |  | 02-03 | 03-04 | 04-05 | 06-06 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 96-97 | 97-98 | 98-98 | 99-00 | 00-01 | 01-02 |  |  |  |  |
| All Grades | 196,201 | 199,222 | 202,031 | 203,968 | 205,299 | 208,847 | 207,684 | 207,417 | 206,852 | 205,767 |


|  | 88-97 | 97-08 | 98-99 | 90-0 | 00-0 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| All Grades | 21,057 | 21,642 | 22,515 | 22,905 | 23,820 | 24,194 | 23,828 | 23,470 | 22,736 | 22,237 |



## FIGURE 14 ESTIMATED AND PROJECTED NH POPULATION BY AGE: 2000-2020

December 2006

| AGE CATERORY | 2000 | 2005 | 2010 | 2015 | 2020 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| $0-4$ | 75,685 | 71,486 | 70,800 | 73,946 | 77,042 |
| $5-19$ | 268,480 | 278,778 | 273,987 | 265,513 | 260,408 |
| $20-34$ | 228,827 | 225,696 | 241,628 | 262,642 | 269,402 |
| $35+$ | 662,794 | 742,021 | 806,458 | 860,888 | 921,201 |
| TOTAL | $1,235,786$ | $1,317,981$ | $1,392,873$ | $1,462,989$ | $\mathbf{1 , 5 2 8 , 0 5 3}$ |
| SUBTOTALS |  |  |  |  |  |
| 5-19: \% OF TOTAL | $22 \%$ | $21 \%$ | $20 \%$ | $18 \%$ | $17 \%$ |
| $20-34: \%$ OF TOTAL | $19 \%$ | $17 \%$ | $17 \%$ | $18 \%$ | $18 \%$ |

Source: 2000 U.S. Census and NH Office of Energy \& Planning Population Projections Published September 2004


[^0]:    ■
    molcates nceens core capacity

