

# 2022-23 Enrollment Projection Study for the Scarborough Schools

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*Prepared in March 2023 by:*

*Wandell Consulting*

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APPENDIX A: Grade by Grade Historical and Projected Enrollment, and Ranges for Use in School Facilities Planning

APPENDIX B: Information of Enrollment Data and Methodologies Used for Projection Studies

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## I. INTRODUCTION

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Change in school enrollment derives from two sources, changes in the number of births to residents, and the net migration of preschool and school-aged children into and out of a community. These projections reflect both sources of change.

The projections are based on an in-house cohort survival model which contains two steps.

- First, historical trends and relationships between entering class sizes (first grade enrollment) and resident births in the year that is six years before the enrollment year is analyzed. Correlation coefficients (using Pearson's r-squared) are calculated for the last three, four, five, six, seven, eight, nine and ten-year periods regarding the relationship between first grade enrollment and births. The correlation coefficients are examined to determine which period represents the statistical "best fit" for projecting future first grade enrollment based on resident birth data.
- Second, historical trends at each grade level are analyzed, specifically looking at the grade-to-grade survival ratios. These ratios represent the number of students in a grade in one year (i.e., 1<sup>st</sup> grade in 2021-22) in relation to the number of students in the next grade the following year (i.e., 2<sup>nd</sup> grade in 2022-23). Then correlation coefficients (using Pearson's r-squared) are calculated for the last three, four, five, six, seven, eight, nine and ten-year periods regarding the relationship between enrollment in a grade in one year and the next grade the following year to determine which period represents the statistical "best fit" at each of the grade levels. The grade-to-grade ratios that represent the "best fit" are then applied to the current enrollment in each grade and projected first grade classes to project enrollment for the next ten years.
- To provide reasonable cushions for use in the planning of school facilities, school enrollment projections are summarized by grade group and presented the projections within ranges of plus and minus 10% for grades K-8 and plus and minus 5% for grades 9-12, and plus and minus 3% for grades K-12. These ranges and details on the enrollment data and methodologies used for making the projections can be found in the report **Appendix**.

Four models were created to project future enrollment in Scarborough. The first model, called the "best fit" model, is a standard statistical model which projects enrollment based on historical trends, and is usually considered to be the most likely scenario to occur in Scarborough IF future enrollment follows historical patterns of enrollment. After the "best fit" model was created, the impact of the COVID-19 Pandemic was assessed and the "best fit" model was adjusted slightly for historical trends which had been impacted by COVID-19, this model was called the "best fit" model plus COVID adjustment. The third and fourth models are first based off the "best fit" model plus COVID adjustment and then take into account estimated and potential new housing unit development on enrollment in Scarborough. The third model is called the "housing impact" model. This model accounts for additional grade-to-grade migration based on estimated future development levels. The fourth model is called the "housing impact HIGH" model. This model takes into account the current maximum allowable single family home development under the Growth Management Ordinance along with estimated multifamily housing development.

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- Second, historical trends at each grade level are analyzed, specifically looking at the grade-to-grade survival ratios. These ratios represent the number of students in a grade in one year (i.e., 1<sup>st</sup> grade in 2021-22) in relation to the number of students in the next grade the following year (i.e., 2<sup>nd</sup> grade in 2022-23). Then correlation coefficients (using Pearson's r-squared) are calculated for the last three, four, five, six, seven, eight, nine and ten-year periods regarding the relationship between enrollment in a grade in one year and the next grade the following year to determine which period represents the statistical "best fit" at each of the grade levels. The grade-to-grade ratios that represent the "best fit" are then applied to the current enrollment in each grade and projected first grade classes to project enrollment for the next ten years.
- To provide reasonable cushions for use in the planning of school facilities, school enrollment projections are summarized by grade group and presented the projections within ranges of plus and minus 10% for grades K-8 and plus and minus 5% for grades 9-12, and plus and minus 3% for grades K-12. These ranges and details on the enrollment data and methodologies used for making the projections can be found in the report **Appendix**.

Four models were created to project future enrollment in Scarborough. The first model, called the "best fit" model, is a standard statistical model which projects enrollment based on historical trends, and is usually considered to be the most likely scenario to occur in Scarborough IF future enrollment follows historical patterns of enrollment. After the "best fit" model was created, the impact of the COVID-19 Pandemic was assessed and the "best fit" model was adjusted slightly for historical trends which had been impacted by COVID-19, this model was called the "best fit" model +COVID Adjustment. The third and fourth models are first based off the "best fit" model +COVID Adjustment and then take into account estimated and potential new housing unit development on enrollment in Scarborough. The third model is called the "housing impact" model. This model accounts for additional grade-to-grade migration based on estimated future development levels, of around 200-2010 units/year. The fourth model is called the "housing impact HIGH" model. This model takes into account the current maximum allowable single family home development under the Growth Management Ordinance (144 single family homes) along with estimated multifamily housing development (97 multi-family units).

**Sections II and V** of this report provides historical enrollment trends and four sets of enrollment projections which projects enrollment through 2032-33 for each grade and by grade group in Scarborough. **Section III** discusses the historical grade-to-grade migration trends used to complete the projections.

**Section IV** of this report presents residential development factors that may influence enrollment projections.

Grade-by-grade historical and projected enrollment, and ranges for use in school facilities planning are presented in the report **Appendix** along with a detailed explanation of the data used and methodologies.

#### **NOTES:**

- The term “best fit” refers to the strongest statistical correlation of trends. The reader should keep in mind the “best fit” model is not always the best fit for predicting future enrollment. This is often the case in situations where the “best fit” model does not adequately account for the impact of resident development, when residential development, economic or population changes are occurring in the area, or when significant changes in migration trends or resident birth trends occur in a community.
- When looking at the enrollment figures it is important for the reader to pay close attention to the type of enrollment being discussed, i.e., whether the data is referring to resident enrollment, resident attending enrollment, non-resident students attending district schools, resident students attending non-district schools, or total attending enrollment. Additionally, due to limitations on availability of certain types of enrollment data, these figures do not include 100% home schooled students, or students attending privately paid for schools, but do include students attending Charter Schools where noted as resident students not attending.

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## II. FIRST GRADE ENROLLMENT

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### A. Historical First Grade Enrollment

First grade enrollment over the last ten years (2013-14 to 2022-23) fluctuated year-to-year while increasing, on average. During this ten-year period, first grade enrollment ranged between 173 and 223 students, with an average enrollment of 203 students. The average first grade enrollment over the last five years (2018-19 to 2022-23), was 208 students, a higher average level of enrollment compared with the average of the previous five-year period (2013-14 to 2017-18), or 198 students. In addition, enrollment over the last three years (2020-21 to 2022-23) increased from the most recent five-year average, with first grade enrollment averaging 210 students. **(See Table II-1 and Figure-2).**

### B. Resident Births Influencing Historical Enrollment

Resident births during the ten-year period (2006-07 to 2015-16) influencing first grade enrollment over the last ten years (2013-14 to 2022-23), increased, on average. The average number of births over the last five years of the period, (2011-12 to 2015-16), was 152 births, which was 16 births higher than the previous five-year period (2006-07 to 2010-11), which had an average of 136 births per year. In addition, over the last three years of the period (2013-14 to 2015-16) births increased further to average 161 births annually, 25 births more than the first five years of the period. **The increase in resident births had placed upward pressure on first grade enrollment sizes, while the year-to-year, these fluctuations in the level of resident births year-to-year caused fluctuations in first grade class sizes over the last ten years. (See Table II-1 and Figure-1).**

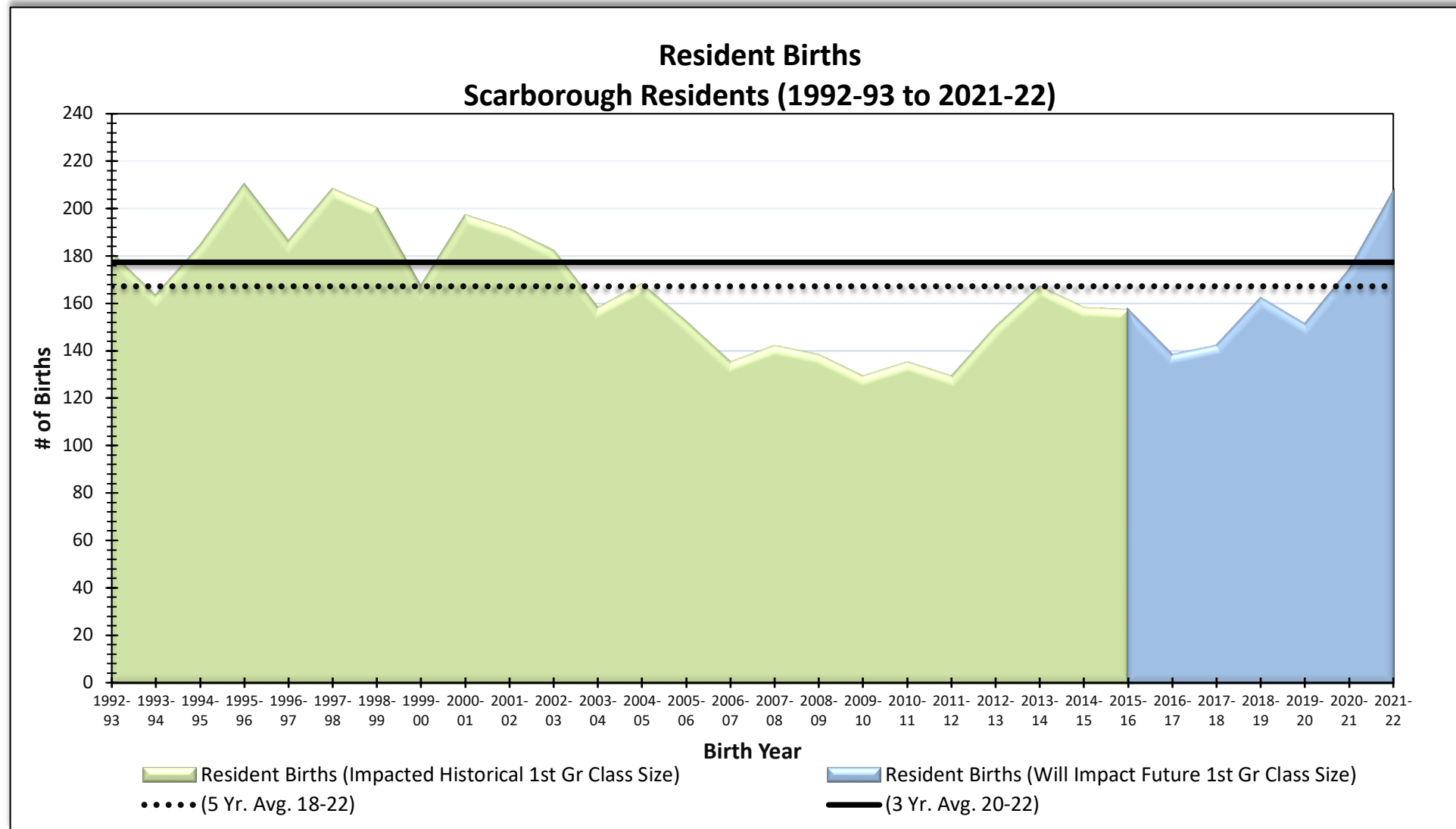
### C. Resident Births Influencing Future Enrollment

Over the last ten-year period of available resident birth data, 2012-13 to 2021-22, births to residents of Scarborough averaged 161 births annually, with births fluctuating year-to-year, ranging between 138 and 207 births. The most recent five-year period (2017-18 to 2021-22) increased to average 167 births, and over the last three years (2019-20 to 2021-22) the average of births to residents continued to increase, to average 177 births. Therefore, when looking at the most recent average of births compared to births between 2006-07 and 2010-11 (136 births), Scarborough experienced an average increase of 41 births per year, translating into a gain of about two class size per year. **(See Table II-1 and Figure 1).**

The “best fit” projections used the three-year average (2019-20 to 2021-22) of births to estimate future births, or the 2022-23 “best fit” model assumes resident births would average about 177 births annually. Looking at resident births since 1992-93, Scarborough has seen periods of time where resident births have high, then had declined over time, then rebounded again. **See Figure 1.** Since Scarborough has experienced fluctuations in resident births in the past, it is reasonable to assume these fluctuations will continue to occur in the future. However, it is impossible to predict which years will see higher or lower birth levels.

Due to the influence resident births have on future first grade enrollment, Scarborough will need to keep an eye on future resident births year-to-year. For the 2022-23 “best fit” model +COVID Adjustment, a three-year rolling average was used to account for the higher births seen over the last two years, or the three-year average of 177 births was used for 2022-23, then 186 births for 2023-24, 190 births in 2024-25 and 185 births in 2025-26. Since the housing impact models were based on the 2022-23 “best fit” model +COVID Adjustment, these models also use the three-year rolling average to estimate future births.

Figure 1



#### D. Net Preschool Migration Trends

In the first five years of the last decade, (2013-14 to 2017-18), Scarborough experienced an in-migration of preschool-aged children, with an average migration ratio of 1.459, or first grade experienced an average increase of about 46% from the number of births six years prior. In the past five years, (2018-19 to 2022-23), Scarborough experienced a lower level of preschool in-migration, with an average migration ratio of 1.370, or an average increase of 37%. Additionally, over the last three years, (2020-21 to 2022-23), the preschool in-migration continued but at a lower level, with an average ratio of 1.305, or an average 31% increase from births. **Overall, when looking at the last ten years, despite the lower levels of in-migration, average preschool in-migration placed upward pressure on first grade class sizes over the last five years. (See Table II-1).**

While the average trends show preschool in-migration, when looking at the grade-to-grade migration trends there appears to have been significant year-to-year fluctuations in migration. For example, in 2019-20 an in-migration of 48.7% occurred, in 2020-21 an in-migration of 32.3% occurred, then in 2021-22 an in-migration of 23.4% occurred. Most recently, in-migration has increased, with a gain of 35.7% in 2022-23.

Additionally, since historically there have been fluctuations in the year-to-year migration trends it stands to reason that future first grade classes will experience similar year-to-year fluctuations. This makes accurately projecting first grade class sizes more difficult as there is no way to predict what future fluctuations will look like year-to-year. Therefore, the district will need to keep an eye on first grade class sizes, keeping in mind that fluctuations will continue to occur.

**NOTE: Taken together, an increase in average resident births despite being combined with a decline in the average increase in preschool in migration resulted in first grade class sizes that, on average, increased over the last five years. In addition, fluctuations in the level of resident births and preschool migration levels caused year-to-year fluctuations in first grade class sizes.**



## E. Projections of Entering First Grade Class Sizes

### 1. 2022-23 Best Fit Model

The 2022-23 “best fit” model is based on average births occurring between 2019-20 and 2021-22 (or 177 births), and on a continuation of preschool in-migration similar to the level occurring over the last seven years, except for the 2023-24 first grade which was based on the 2022-23 Kindergarten enrollment and the 3-year ratio of first grade to Kindergarten. **(See Table II-1 and Figure-2).**

- Under the 2022-23 “best fit” model, first grade enrollment is projected to experience fairly significant yearly swings corresponding with swings in resident births. Enrollment is projected to range between 196 and 286 students, and average 236 students annually through 2032-33.

### 2. 2022-23 Best Fit Model +COVID Adjustment

The 2022-23 “best fit” model +COVID Adjustment model is first based on the 2022-23 “best fit” model. Then it uses a rolling average of births to predict future birth levels, or:

- 2022-23 was based on births occurring between 2019-20 and 2021-22 (or 177 births)
- 2023-24 was based on the average of 2020-21 to 2022-23, or 186 births,
- 2024-25 was based on the average of 2021-22 to 2023-24, or 190 births, and finally,
- 2025-26 was based on the average of 2022-23 to 2024-25, or 185 births.

Then, the 2022-23 best fit model +COVID Adjustment takes and on a continuation of preschool in-migration similar to the level occurring over the last seven years, except for the 2023-24 first grade which was based on the 2022-23 Kindergarten enrollment and the 3-year *weighted* ratio of first grade to Kindergarten. The weighted ratio was used to account for changes in migration during the first COVID school year of 2020-21, and places slightly more weight on the more recent K-1 migration trend. **(See Table II-1 and Figure-2).**

- Under the 2022-23 “best fit” model +COVID Adjustment, first grade enrollment is projected to experience yearly swings corresponding with swings in resident births. Enrollment is projected to range between 196 and 286 students, and average 241 students annually through 2032-33.

### **3. 2022-23 Housing Impact Model**

The 2022-23 “housing impact” model is first based on the 2022-23 “best fit” model +COVID Adjustment, then takes account an increase in grade-to-grade migration from higher levels of residential development which may not have been adequately accounted for by the “best fit” model. *Additional details on how this model was created can be found on Section IV of the report.*

- Under the 2022-23 “housing impact” model, first grade enrollment is projected to range between 198 and 287 students, and average 242 students annually through 2032-33.

### **4. 2022-23 Housing Impact HIGH Model**

The 2022-23 “housing impact HIGH” model is first based on the 2022-23 “best fit” model +COVID Adjustment, then takes account an increase in preschool in-migration and grade-to-grade migration from the highest level of single-family development allowed under the current Growth Management Ordinance. *Additional details on how this model was created can be found on Section IV of the report.*

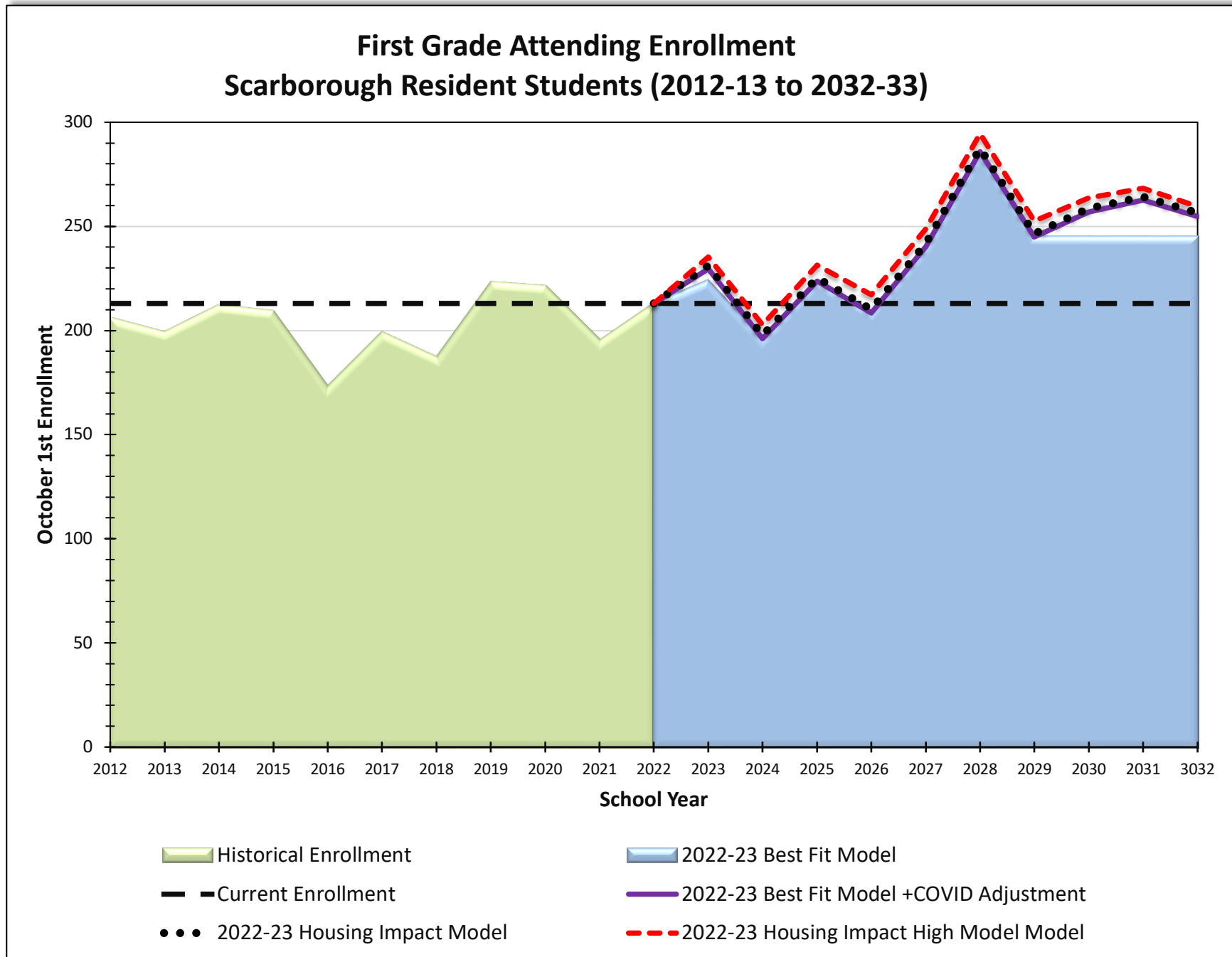
- Under the 2022-23 “housing impact HIGH” model, first grade enrollment is projected to range between 203 and 294 students, and average 247 students annually through 2032-33.

| Table II-1 - Relationship of Entering First Grade Class Size to Resident Births |      |
|---|------|
| Scarborough - Resident Attending Enrollment                                     |      |
| 2000  | 2001 |
| 2002  | 2003 |
| 2004  | 2005 |
| 2006  | 2007 |
| 2008  | 2009 |
| 2010  | 2011 |
| 2012  | 2013 |
| 2014  | 2015 |
| 2016  | 2017 |
| 2018  | 2019 |
| 2020  | 2021 |
| 2022  | 2023 |
| 2024  | 2025 |
| 2026  | 2027 |
| 2028  | 2029 |
| 2030  | 2031 |
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| 2108  | 2109 |
| 2110  | 2111 |
| 2112  | 2113 |
| 2114  | 2115 |
| 2116  | 2117 |
| 2118  | 2119 |
| 2120  | 2121 |
| 2122  | 2123 |
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| 2126  | 2127 |
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| 2230  | 2231 |
| 2232  | 2233 |
| 2234  | 2235 |
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| 2238  | 2239 |
| 2240  | 2241 |
| 2242  | 2243 |
| 2244  | 2245 |
| 2246  | 2247 |
| 2248  | 2249 |
| 2250  | 2251 |
| 2252  | 2253 |
| 2254  | 2255 |
| 2256  | 2257 |
| 2258  | 2259 |
| 2260  | 2261 |
| 2262  | 2263 |
| 2264  | 2265 |
| 2266  | 2267 |
| 2268  | 2269 |
| 2270  | 2271 |
| 2272  | 2273 |
| 2274  | 2275 |
| 2276  | 2277 |
| 2278  | 2279 |
| 2280  | 2281 |
| 2282  | 2283 |
| 2284  | 2285 |
| 2286  | 2287 |
| 2288  | 2289 |
| 2290  | 2291 |
| 2292  | 2293 |
| 2294  | 2295 |
| 2296  | 2297 |

| Birth Year<br>(Oct. 15 - Oct. 14)          | Resident<br>Births | First Grade Year                           | Best Fit Model |           |       | # of Resident<br>Births | Best Fit + COVID Adjustment |           |       | Housing Impact Model |           |       | Housing Impact High Model |           |       |  |
|--|--------------------|--|----------------|-----------|-------|-------------------------|-----------------------------|-----------|-------|----------------------|-----------|-------|---------------------------|-----------|-------|--|
|  |                    |  | Count          | 1st/Birth | +/-%  |                         | Count                       | 1st/Birth | +/-%  | Count                | 1st/Birth | +/-%  | Count                     | 1st/Birth | +/-%  |  |
| 2006-07                                    | 135                | 2013-14                                    | 199            | 1.474     | 47.4% | 135                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2007-08                                    | 142                | 2014-15                                    | 212            | 1.493     | 49.3% | 142                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2008-09                                    | 138                | 2015-16                                    | 209            | 1.514     | 51.4% | 138                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2009-10                                    | 129                | 2016-17                                    | 173            | 1.341     | 34.1% | 129                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2010-11                                    | 135                | 2017-18                                    | 199            | 1.474     | 47.4% | 135                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2011-12                                    | 129                | 2018-19                                    | 187            | 1.450     | 45.0% | 129                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2012-13                                    | 150                | 2019-20                                    | 223            | 1.487     | 48.7% | 150                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2013-14                                    | 167                | 2020-21                                    | 221            | 1.323     | 32.3% | 167                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2014-15                                    | 158                | 2021-22                                    | 195            | 1.234     | 23.4% | 158                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2015-16                                    | 157                | 2022-23*                                   | 213            | 1.357     | 35.7% | 157                     |                             |           |       |                      |           |       |                           |           |       |  |
| 2016-17                                    | 138                | 2023-24                                    | 224            | 1.623     | 62.3% | 138                     | 230                         | 1.667     | 66.7% | 231                  | 1.674     | 67.4% | 235                       | 1.703     | 70.3% |  |
| 2017-18                                    | 142                | 2024-25                                    | 196            | 1.380     | 38.0% | 142                     | 196                         | 1.380     | 38.0% | 198                  | 1.394     | 39.4% | 203                       | 1.430     | 43.0% |  |
| 2018-19                                    | 162                | 2025-26                                    | 224            | 1.383     | 38.3% | 162                     | 224                         | 1.383     | 38.3% | 225                  | 1.389     | 38.9% | 231                       | 1.426     | 42.6% |  |
| 2019-20                                    | 151                | 2026-27                                    | 209            | 1.384     | 38.4% | 151                     | 209                         | 1.384     | 38.4% | 210                  | 1.391     | 39.1% | 217                       | 1.437     | 43.7% |  |
| 2020-21                                    | 174                | 2027-28                                    | 240            | 1.379     | 37.9% | 174                     | 240                         | 1.379     | 37.9% | 242                  | 1.391     | 39.1% | 249                       | 1.431     | 43.1% |  |
| 2021-22*                                   | 207                | 2028-29                                    | 286            | 1.382     | 38.2% | 207                     | 286                         | 1.382     | 38.2% | 287                  | 1.386     | 38.6% | 294                       | 1.420     | 42.0% |  |
| 2022-23 est                                | 177                | 2029-30                                    | 245            | 1.382     | 38.2% | 177                     | 245                         | 1.382     | 38.2% | 246                  | 1.387     | 38.7% | 252                       | 1.421     | 42.1% |  |
| 2023-24 est                                | 177                | 2030-31                                    | 245            | 1.382     | 38.2% | 186                     | 257                         | 1.449     | 44.9% | 258                  | 1.386     | 38.6% | 264                       | 1.419     | 41.9% |  |
| 2024-25 est                                | 177                | 2031-32                                    | 245            | 1.382     | 38.2% | 190                     | 263                         | 1.483     | 48.3% | 264                  | 1.388     | 38.8% | 268                       | 1.409     | 40.9% |  |
| 2025-26 est                                | 177                | 2032-33                                    | 245            | 1.382     | 38.2% | 185                     | 255                         | 1.438     | 43.8% | 256                  | 1.387     | 38.7% | 259                       | 1.404     | 40.4% |  |
| 10-Yr Avg. (2006-07 to 2015-16)            | 144                | 10-Yr Avg. (2013-14 to 2022-23)            | 203            | 1.415     | 41.5% |                         |                             |           |       |                      |           |       |                           |           |       |  |
| 5-Yr Avg. (2006-07 to 2010-11)             | 136                | First 5-Yr Avg. (2013-14 to 2017-18)       | 198            | 1.459     | 45.9% |                         |                             |           |       |                      |           |       |                           |           |       |  |
| 5-Yr Avg. Births (2011-12 to 2015-16)      | 152                | Most Recent 5-Yr Avg. (2018-19 to 2022-23) | 208            | 1.370     | 37.0% |                         |                             |           |       |                      |           |       |                           |           |       |  |
| 3-Yr Avg. (2013-14 to 2015-16)             | 161                | Most Recent 3-Yr Avg. (2020-21 to 2022-23) | 210            | 1.305     | 30.5% |                         |                             |           |       |                      |           |       |                           |           |       |  |
| Most Recent 5-Yr Avg. (2017-18 to 2021-22) | 167                | Projected 10-Yr Avg. (2023-24 to 2032-33)  | 236            | 1.406     | 40.6% |                         | 241                         | 1.433     | 43.3% | 242                  | 1.417     | 41.7% | 247                       | 1.450     | 45.0% |  |
| Most Recent 3-Yr Avg. (2019-20 to 2021-22) | 177                |  |                |           |       |                         |                             |           |       |                      |           |       |                           |           |       |  |

**Births:** Maine Center for Disease Control and Prevention, Data, Research and Vital Statistics. 2022 births are preliminary and provisional; \*Future births for the "best fit" model were based on the 3-year average of births between 2019-20 and 2021-22. All other models births were based on the on 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... **Note:** Enrollment includes resident students attending district schools. First to birth ratios shown here are based on the rounded first grade projection from the Entering Class to Births Ratio Worksheet. **Source:** 2013-2022 enrollment data from the district. All else calculated by Wandell Consulting.

Figure 2



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### III. GRADE-TO-GRADE MIGRATION TRENDS

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After assessing preschool-migration trends and establishing first grade enrollment, the migration trends between grades are examined and grade-to-grade survival ratios are established. These ratios represent the number of students in a grade in one year (i.e., 1<sup>st</sup> grade in 2021-22) in relation to the number of students in the next grade the following year (i.e., 2<sup>nd</sup> grade in 2022-23). The historical average grade-to-grade survival ratios for the last three, four, five, six, seven, eight, nine and ten-year periods are analyzed to determine which period represents the statistical “best fit” at each of the grade levels. The grade-to-grade ratios that represent the “best fit” are then applied to the current enrollment in each grade and projected first grade classes to project enrollment for the next ten years. This section will show how the grade-to-grade migration trends have changed, on average, in Scarborough.

#### A. Grade-to-Grade Migration Ratios

**Table-III-1** shows average grade-to-grade survival ratios in Scarborough for grades K-12 along with how the ratios translate into a loss or addition of new students. For example, the 10-year K-1 average ratio was 1.033, this translates to an average student in-migration of 3.3% between Kindergarten and first grade over the last decade. When looking at the grade-to-grade ratios over the last three years (2020-21 to 2022-23) and last two years (2021-22 to 2022-23) compared to what occurred over the first five-years of the period examined (2013-14 to 2017-18), student migration trends in Scarborough have changed somewhat.

The most notable change occurred between grades K-1, 1-2, 3-4, 4-5, 8-9 and 9-10.

- At grades K-1, 1-2, 3-4 and 9-10 more in-migration occurred over the last 2-year period compared to the in-migration occurring in the first 5-year period
- At grades 4-5, a change from an average out-migration to an average in-migration occurred over the last 2 and 3-years
- At grades 8-9, the average out-migration declined over the last 2-years

What this means is there has been some change in overall grade-to-grade migration. Considering the two school years over the last three years have been significantly impacted by the COVID-19 Pandemic, it is important to acknowledge enrollment migration trends likely have also been impacted. For example, some families may have chosen to homeschool their students, while other families may have moved their students to private schools or enrolled them in Charter Schools.

What remains to be seen is if these changes will continue and become a new trend. **Therefore, to account for the impact on enrollment trends, grade-to-grade migration between 2019-20 and 2020-21 were adjusted at the grade levels with the most unexpected changes in trends, and a second model was created called the 2022-23 “best fit” model +COVID Adjustment. While the “best fit” model is typically the most reasonable model to**

project future enrollment based on past enrollment trends, the additional model should provide a more reasonable enrollment projection scenario when considering the impact the COVID-19 Pandemic had on enrollment.

| Table III-1  |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scarborough Attending Enrollment - Average Grade-to-Grade Survival Ratios - 2022-23 Best Fit Model |       |       |       |       |       |       |       |       |       |       |       |       |
| School Year  | Grade |       |       |       |       |       |       |       |       |       |       |       |
|  | K-1   |       | 1-2   |       | 2-3   |       | 3-4   |       | 4-5   |       | 5-6   |       |
|  | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- |
| 10 Year Avg. (13-22)   | 1.033 | 3.3%  | 1.032 | 3.2%  | 1.024 | 2.4%  | 1.033 | 3.3%  | 1.009 | 0.9%  | 1.019 | 1.9%  |
| 1st 5-Year Avg. (13-17)  | 1.035 | 3.5%  | 1.040 | 4.0%  | 1.026 | 2.6%  | 1.027 | 2.7%  | 0.998 | -0.2% | 1.010 | 1.0%  |
| Last 5-Year Avg. (18-22)   | 1.032 | 3.2%  | 1.025 | 2.5%  | 1.022 | 2.2%  | 1.040 | 4.0%  | 1.021 | 2.1%  | 1.029 | 2.9%  |
| Last 4-Year Avg. (19-22)   | 1.039 | 3.9%  | 1.015 | 1.5%  | 1.018 | 1.8%  | 1.044 | 4.4%  | 1.029 | 2.9%  | 1.033 | 3.3%  |
| Last 3-Year Avg. (20-22)   | 1.029 | 2.9%  | 1.018 | 1.8%  | 1.015 | 1.5%  | 1.032 | 3.2%  | 1.032 | 3.2%  | 1.020 | 2.0%  |
| Last 2-Year Avg. (21-22)   | 1.080 | 8.0%  | 1.065 | 6.5%  | 1.004 | 0.4%  | 1.073 | 7.3%  | 1.034 | 3.4%  | 1.024 | 2.4%  |
| School Year  | Grade |       |       |       |       |       |       |       |       |       |       |       |
|  | 6-7   |       | 7-8   |       | 8-9   |       | 9-10  |       | 10-11 |       | 11-12 |       |
|  | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- |
| 10 Year Avg. (13-22)   | 1.006 | 0.6%  | 0.993 | -0.7% | 0.958 | -4.2% | 1.007 | 0.7%  | 1.005 | 0.5%  | 1.027 | 2.7%  |
| 1st 5-Year Avg. (13-17)  | 1.010 | 1.0%  | 1.000 | 0.0%  | 0.939 | -6.1% | 1.000 | 0.0%  | 1.005 | 0.5%  | 1.031 | 3.1%  |
| Last 5-Year Avg. (18-22)   | 1.003 | 0.3%  | 0.986 | -1.4% | 0.977 | -2.3% | 1.014 | 1.4%  | 1.005 | 0.5%  | 1.022 | 2.2%  |
| Last 4-Year Avg. (19-22)   | 1.003 | 0.3%  | 0.985 | -1.5% | 0.975 | -2.5% | 1.009 | 0.9%  | 1.006 | 0.6%  | 1.019 | 1.9%  |
| Last 3-Year Avg. (20-22)   | 0.998 | -0.2% | 0.978 | -2.2% | 0.965 | -3.5% | 1.006 | 0.6%  | 1.001 | 0.1%  | 1.017 | 1.7%  |
| Last 2-Year Avg. (21-22)   | 0.995 | -0.5% | 0.972 | -2.8% | 0.980 | -2.0% | 1.028 | 2.8%  | 0.998 | -0.2% | 1.020 | 2.0%  |

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

## B. Additional Data of Interest

Additional nuggets of data also help to provide some insight of what has been happening with grade-to-grade enrollment migration. **Table III-2** provides a snapshot over the last five to eight school years of various data points not typically readily available for enrollment projection studies, and some data points were not readily available for all years. Regardless, considering the events of the last few years, it is prudent to look over other factors that may or may not be contributing to enrollment changes in Scarborough.

### Homeschooled Students:

In 2020-21 and 2021-22 more students unenrolled to move to homeschooling than seen previously. Only 2 to 8 students unenrolled per year prior to the COVID-19 Pandemic, to 17 to 25 students unenrolling during the height of it, then reverting to 8 unenrolled for 2022-23.

The total of homeschooled students also increased dramatically during 2020-21 and 2021-22, with total home school enrollment ranging between 74 and 76 students. **Caveat** - the totals of those who unenrolled will not necessarily relate to the same increase in overall homeschooling because of people moving out of Scarborough, some coming back into public schools, or moving into private schools from homeschooling etc...

Additionally, while granular data by grade data was available on students unenrolling, data on grade once students are placed in homeschooling is not as consistent. *Due to the small population sizes involved at some grade levels and groups, the detailed data by grade was not supplied in this report due to student privacy concerns.* However, there was a fairly even distribution of students leaving for homeschooling throughout the grade levels between 2020-21 and 2021-22.

By 2022-23, 64 students are still in homeschooled settings, which is a sizable count of students. What happens with the pool of homeschooled students should be monitored, because these students could potentially re-enroll in Scarborough Schools. For example, if homeschooling counts revert to pre-pandemic levels that could lead to an increase of anywhere between 25 and 60 students returning into Scarborough schools. These changes in homeschooled students help to support needing some adjustment to trends in the “best fit” model.

### Students Attending Other District Schools:

These include other district schools who receive state funding for students. Examples include Cape Elizabeth, South Portland, Portland, Old Orchard Beach, and Thornton Academy etc.... **Note** - although Thornton Academy considers itself a Private School, because it enrolls Saco resident students and receives state and local funding for those students, it is a regular reporter of enrollment and can be considered in the Non-District Schools for the purpose of enrollment comparison.

Prior to 2018-19, only 1 to 4 students attended non-district schools, while between 2018-19 and 2022-23 enrollment increased to range between 31 and 45 students. This enrollment category does not appear to have been significantly impacted by the COVID-19 Pandemic as enrollment in non-district schools was already increasing in 2018-19, and enrollment did not significantly change between 2020-21 and 2021-22.

### Charter School Enrollment:

These are students who attend Charter Schools such as Baxter Academy, Harpswell Coastal Academy, Maine Connections Academy, and Maine Virtual Academy. Much like the enrollment at other non-district schools, the number of students at Charter Schools did not change significantly. Enrollment had increased from 1 student in 2015-16 to reach a high enrollment of 33 students by 2018-19, then leveled off at 20 to 29 students per year. This enrollment category also does not appear to have been significantly impacted by the COVID-19 Pandemic as enrollment in Charter Schools did not significantly change between 2020-21 and 2021-22, when compared to enrollment before and after.

### Private School Enrollment:

Private School enrollment has always been a difficult to track for enrollment projection purposes because Private Schools are not always consistent with their enrollment reporting to MDOE. Take for example the 2022-23 data for Private Schools where the data is missing several Private School.

In 2021-22, Waynflete reported 45 students in grades K-12, while 11 students were reported at the Greater Portland Christian School, and another 9 students were reported at North Yarmouth Academy. However, in 2022-23, no students were reported at any of these Private Schools. It is highly unlikely all 65 students left these Private Schools, and this is just a missing data component at the time of this report. Data for 2016-17 was also missing for many Private Schools and should also be discounted as unreliable data. Therefore, no conclusion can be made about whether Private School enrollment of Scarborough students was impacted during the COVID-19 Pandemic.

### Kindergarten Enrollment:

One question that typically comes up with Kindergarten enrollment is, how many students are repeating Kindergarten and how many students have a delayed Kindergarten enrollment year. First, when looking at the number of students repeating their Kindergarten year, it is a very small number, averaging around 4.5 students per year, and has been reasonably consistent over the last 4 years.

Next, when looking at the number of students who had their start of Kindergarten delayed, there has been some consistency in the number of families opting to delay their student's Kindergarten enrollment. These figures were determined by looking at historical enrollment data for the last 5 years, and the actual birth dates of each of the Kindergarten students in each school year. **No additional information was provided such as gender, student name, or address to make any additional conclusions, as only the birth date and enrollment year was provided.** For example, in 2018-19, based on their birth date, 26 students should technically have been enrolled in Kindergarten in 2017-18.

What the data is not able to determine is, if students who delayed their enrollment also just moved to Scarborough, or started Kindergarten in another district. That said, between 2018-19 and 2021-22, around 26 and 29 students had their Kindergarten enrollment delayed by a year. In 2022-23, 37 students had their Kindergarten delayed. This was higher than typically seen by about 8 students. Not a significant change, but notable in that, it does help to explain some of the higher enrollment in Kindergarten seen this year. This also helps to support an adjustment to the "best fit" model to use the first grade to Kindergarten ratio for projecting the 2023-24 first grade class size.



**Nugget Data Findings:**

Homeschooled enrollment change played a part in reducing the number of students enrolled in Scarborough Schools since the onset of the Pandemic. What remains to be seen is if these students will start to re-enroll in Scarborough Schools, or if they will continue to be homeschooled in the future. Additionally, the 2022-23 school year saw a larger number of Kindergarten students enter a year delayed.

No specific adjustment to the 2022-23 “best fit” model was made to account for homeschool enrollment changes, however, it does help to support adjustment to “best fit” model at grade levels noted in the grade-to-grade migration trends discussed previously and supports the reasoning behind the 2022-23 “best fit” model +COVID Adjustment.

**Appendix Table III-2****Scarborough Students - Other Enrollment Information - 2018-19 to 2022-23**

| School Year  | # of Students who Unenrolled for Homeschooling | Homeschooling K-12 Total | Attending Other Non-District Schools K-12 | Attending Charter Schools K-12 | Attending Private Schools K-12     | Attending Charter Schools K-12 | Repeat Kindergarten | Delayed Kindergarten Start |
|--|--|--------------------------|---|--------------------------------|------------------------------------|--------------------------------|---------------------|----------------------------|
| 2015-16  | 7  |                          | 1   | 1                              | 28                                 | 1                              |                     |                            |
| 2016-17  | 6  |                          | 4   | 5                              | 2                                  | 5                              |                     |                            |
| 2017-18  | 8  |                          | 3   | 3                              | 17                                 | 3                              |                     |                            |
| 2018-19  | 3  |                          | 45  | 33                             | 47                                 | 33                             |                     |                            |
| 2019-20  | 2  | 41                       | 34  | 22                             | 53                                 | 22                             | 4                   | 29                         |
| 2020-21  | 17   | 76                       | 40  | 22                             | 56                                 | 22                             | 6                   | 27                         |
| 2021-22  | 25   | 74                       | 41  | 20                             | 64                                 | 20                             | 4                   | 29                         |
| 2022-23  | 8  | 64                       | 31  | 29                             | 10*                                | 29                             | 4                   | 37                         |
| <b>5-year Avg (18-19 to 22-23)</b>                           | 11   | 52                       | 38  | 25                             | <b>Inconsistent Data Reporting</b> | 25                             | 4.5 Average         | 30                         |
| <b>3-year Avg (20-21 to 22-23)</b>                           | 17   | 71                       | 37  | 24                             |                                    | 24                             |                     | 31                         |
| <b>Prior to COVID-19 (18-19 to 19-20)</b>                    | 3  | 23                       | 40  | 28                             |                                    | 28                             |                     | 28                         |
| <b>Difference last 3 years compared to prior to COVID-19</b> | <b>14</b>                                      | <b>48</b>                | <b>-2</b>                                 | <b>-4</b>                      |                                    | <b>-4</b>                      |                     | <b>4</b>                   |

\*Thornton Academy included in Non-District Schools Data, no data available for North Yarmouth, Waynflete, GPCS

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## IV. RESIDENTIAL DEVELOPMENT IMPACT ON ENROLLMENT

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Future school enrollment is impacted by past, current, and future trends in population, housing development, and economic conditions. With the growth of a population and development of new homes comes the potential for new students in the school system. Because school enrollment in Scarborough is impacted by residential development, development trends in the district are analyzed. This information is then used to test whether the “best fit” cohort survival enrollment projections adequately reflect the impact of potential residential development trends.

### A. New Housing Unit Development

**Table IV-1** presents trends in annual new housing units built in Scarborough between 2003 and 2022. New housing unit data is examined to estimate housing units in the future and to determine if residential development in Scarborough is impacting school enrollment trends. Data on annual new housing units added since 2003 is used to analyze residential development trends, and was obtained from the Scarborough Planning Department. The data on multi-family units excludes studio and 1-bedroom units and any housing that was designated specifically as “senior” or age-restricted housing. The data has been adjusted somewhat since the 2018 enrollment study by the Planning Office. During their Growth Management Ordinance review, according the Planning Office figures were updated as the older data may have accounted for growth permits instead of actual permits issued. It is important to note some permits for the 1-bedroom units or age-restricted housing might have been included, but the information should be reasonably accurate to use for assessing impact on school enrollment.

Since 2003, development of all new non-senior housing units has fluctuated between 38 and 204 units per year. New housing unit builds peaked prior to the 2007 recession, and falling at the onset of the recession, then picked back up once recovery from the recession began. Most recently, 2015-2022, the number of housing units has increased significantly due to an increase in multi-family unit development.

On average, 113 new non-senior housing units have been added annually in Scarborough since 2003. Over the last five years (2018 to 2022), 173 new non-senior housing units were added annually while the previous five-year period (2013 to 2017) experienced a lower average growth of 105 new units per year. Looking at the last three years, (2020 to 2022), on average 158 housing units were added annually. The increase in new housing over the last three to five years was driven largely by the addition of new multi-family projects in town, while the average number of single-family homes added annually, remained stable, averaging between 76 and 78 units per year.

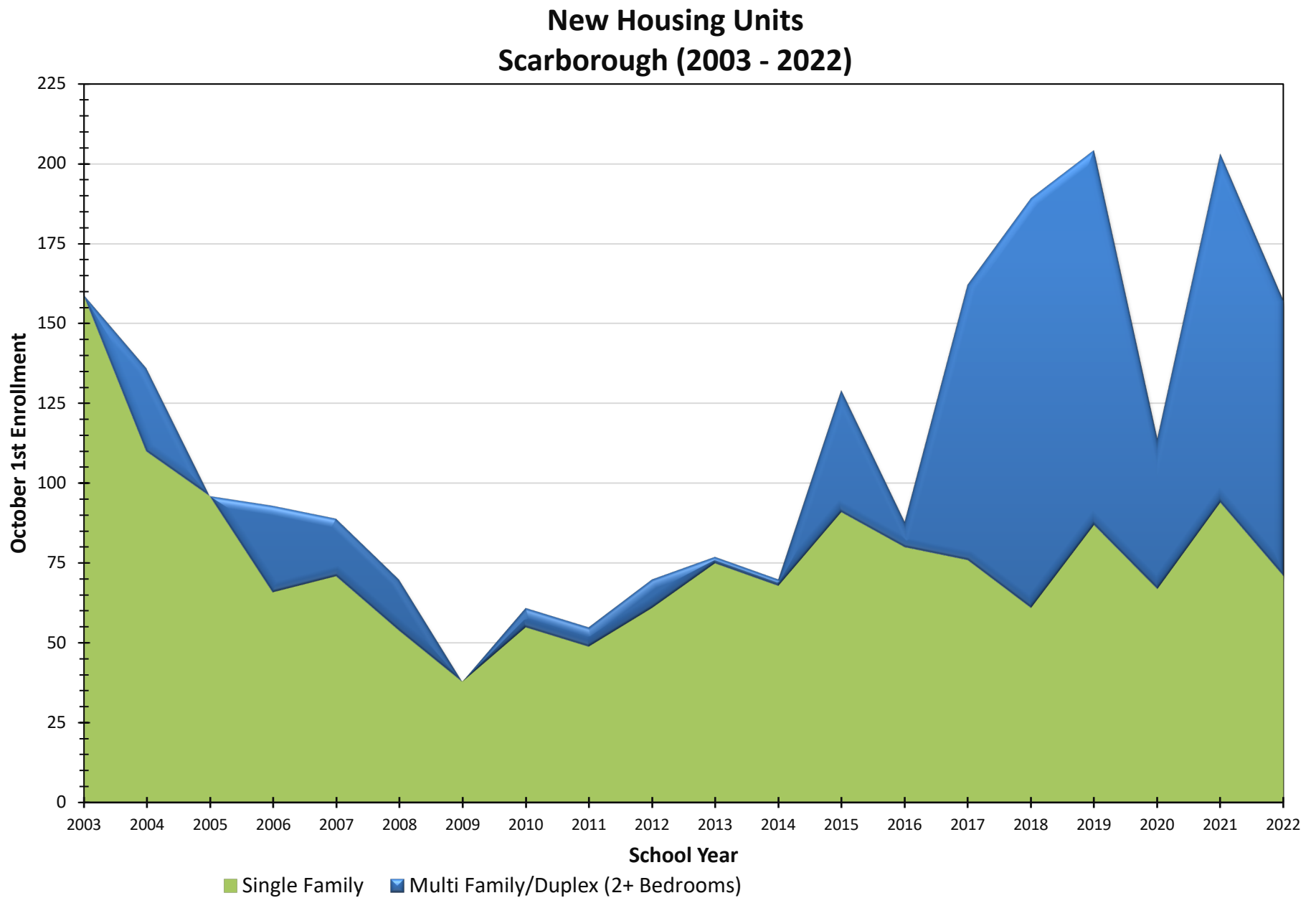
When looking at the multi-family housing projects issued permits over the last five years, the new permits included a significant number of 1-bedroom units which would have no statistical impact on future school enrollment. Projects that fit the category for having no impact on school enrollment would be the Eastern Village’s development of 53 units (permits pulled in 2018) consisting of all 1-bedroom units, and the Dunstan Crossing 34 1-bedroom units. It is important to keep in mind the housing figures used for this study excluded any permit issued for a one-bedroom unit. If the permits for those units were included in this analysis, the number of permits issued in 2017 would have been 262 and in 2018 in 380 permits issued and would have significantly skewed the overall impact of new housing on enrollment.

**Table IV-1**  
**Trends in New Housing Units - 2003-2022 - Scarborough**

| Calendar Year                                  | Single Family | Duplex + Multi-Family (2+ Bd Units) (Excl Senior Housing) | New Housing Units |
|--|---------------|---|-------------------|
| 2003   | 159           | 0   | 159               |
| 2004   | 110           | 26  | 136               |
| 2005   | 96            | 0   | 96                |
| 2006   | 66            | 27  | 93                |
| 2007   | 71            | 18  | 89                |
| 2008   | 54            | 16  | 70                |
| 2009   | 38            | 0   | 38                |
| 2010   | 55            | 6   | 61                |
| 2011   | 49            | 6   | 55                |
| 2012   | 61            | 9   | 70                |
| 2013   | 75            | 2   | 77                |
| 2014   | 68            | 2   | 70                |
| 2015   | 91            | 38  | 129               |
| 2016   | 80            | 8   | 88                |
| 2017   | 76            | 86  | 162               |
| 2018   | 61            | 128   | 189               |
| 2019   | 87            | 117   | 204               |
| 2020   | 67            | 47  | 114               |
| 2021   | 94            | 109   | 203               |
| 2022   | 71            | 86  | 157               |
| <b>20-Year Avg. (2003 to 2022)</b>             | <b>76</b>     | <b>37</b>   | <b>113</b>        |
| <b>First 10-Year Avg. (2003-2012)</b>          | <b>76</b>     | <b>11</b>   | <b>87</b>         |
| <b>Most Recent 10-Year Avg. (2013 to 2022)</b> | <b>77</b>     | <b>62</b>   | <b>139</b>        |
| <b>5-Year Avg. (2013 to 2017)</b>              | <b>78</b>     | <b>27</b>   | <b>105</b>        |
| <b>Most Recent 5-Year Avg. (2018 to 2022)</b>  | <b>76</b>     | <b>97</b>   | <b>173</b>        |
| <b>Most Recent 3-Year Avg. (2020 to 2022)</b>  | <b>77</b>     | <b>81</b>   | <b>158</b>        |

**Source:** Scarborough Planning Office, updated on 2/28/2023 to fall inline with the recent GMO updates. Excludes permits for known age-restricted housing, and any studio or 1-bedroom units.

Figure 3



## **B. Impact of Residential Development on Net In-Migration**

Scarborough has historically experienced significant in-migration of both preschool-aged children and school-aged children in the elementary grades. Over the past decade, the size of the first-grade class has exceeded the number of births to Scarborough residents six years earlier by 37 to 73 students per year. Interestingly, the rate of in-migration of preschool-aged children had increased significantly in the years leading up to the COVID-19 pandemic years, then declined over the last three years, but regardless of the decline preschool in-migration persisted and remained strong. **(See Table II-1 from Section II)**

Scarborough Public Schools has also historically experienced the net in-migration of students in the elementary grades (primary and intermediate schools). The level of net in-migration has increased and over the past decade, averaging a gain of 25 students per year. During these 10 years, net migration varied widely with a loss of 11 students in 2015-16, and 12 students in 2020-21, to high in-migration levels of 49 students in 2016-17, and 48 students in 2022-23.

Since net in-migration has played a significant role in the enrollment trends in the Scarborough, understanding what is driving those trends and how migration may occur in the future is important in projecting possible future enrollment. This section looks at the relationship between residential development and net in-migration of these two age groups to see if there is a consistent relationship between residential development and migration that should be accounted for in the enrollment projections and the long-range building plans for the district.

### **1. Preschool Migration**

**Table IV-2** compares the increase in the preschool-aged population with the amount of non-senior residential construction during that same time period. The residential construction figures are based on building permit data supplied by the Town and are offset by a year to account for the period of construction. The table looks at both single-family homes separately and at all non-senior housing including single-family homes, condominiums, and rental apartments combined but excludes any studio/1-bedroom units.

Table IV-2

## Relationship of Preschool Migration to Residential Development - Scarborough

| Birth Year | # of Births | First Grade Year | First Grade Class size | Net In-Migration | 5-Years | New SFHs | Migration Ratio Students/100 Units | New Non-Senior Units | Migration Ratio Students/100 Units |
|------------|-------------|------------------|------------------------|------------------|---------|----------|------------------------------------|----------------------|------------------------------------|
| 2002-03    | 182         | 2009-10          | 246                    | 64               | 2004-08 | 397      | 16.1                               | 484                  | 13.2                               |
| 2003-04    | 158         | 2010-11          | 224                    | 66               | 2005-09 | 325      | 20.3                               | 386                  | 17.1                               |
| 2004-05    | 168         | 2011-12          | 208                    | 40               | 2006-10 | 284      | 14.1                               | 351                  | 11.4                               |
| 2005-06    | 152         | 2012-13          | 209                    | 57               | 2007-11 | 267      | 21.3                               | 313                  | 18.2                               |
| 2006-07    | 135         | 2013-14          | 199                    | 64               | 2008-12 | 257      | 24.9                               | 294                  | 21.8                               |
| 2007-08    | 142         | 2014-15          | 212                    | 70               | 2009-13 | 278      | 25.2                               | 301                  | 23.3                               |
| 2008-09    | 138         | 2015-16          | 209                    | 71               | 2010-14 | 308      | 23.1                               | 333                  | 21.3                               |
| 2009-10    | 129         | 2016-17          | 173                    | 44               | 2011-15 | 344      | 12.8                               | 401                  | 11.0                               |
| 2010-11    | 135         | 2017-18          | 199                    | 64               | 2012-16 | 375      | 17.1                               | 434                  | 14.7                               |
| 2011-12    | 129         | 2018-19          | 187                    | 58               | 2013-17 | 390      | 14.9                               | 526                  | 11.0                               |
| 2012-13    | 150         | 2019-20          | 223                    | 73               | 2014-18 | 376      | 19.4                               | 638                  | 11.4                               |
| 2013-14    | 167         | 2020-21          | 221                    | 54               | 2015-19 | 395      | 13.7                               | 772                  | 7.0                                |
| 2014-15    | 158         | 2021-22          | 195                    | 37               | 2016-20 | 371      | 10.0                               | 757                  | 4.9                                |
| 2015-16    | 157         | 2022-23          | 213                    | 56               | 2017-21 | 385      | 14.5                               | 872                  | 6.4                                |

**Sources:** Births - Bureau of Health Statistics and Data Management, Maine Department of Health and Human Services, Bureau of Vital Records Administration. 1<sup>st</sup> Grade Enrollments - based on October 1st, Scarborough School Department. Residential New Housing Units from Town of Scarborough Planning Department. (SFHs is short for Single-family Homes)

At first glance, the data suggests the level of net in-migration of preschool-aged children does not directly correlate with the amount of new residential construction in the community. Between 2009-10 and 2013-14, a possible explanation is the reduction in the vacancy rate in the Scarborough housing stock that had occurred due to an economic recession between 2007 and 2009. In 2008 and 2009 vacancy rates increased as homes were foreclosed and people moved, but the vacancy rate dropped through 2013-2014 as the housing market recovered from the recessionary impacts. Following 2015-16, the correlation between new housing units and preschool in-migration became clearer, with the overall migration ratio/100 units falling between 11 and 14.7 students per 100 units. Then, the COVID 19 Pandemic comes into play along with a significant increase in multi-family units. While the overall migration per 100 units declined to be between 4.9 and 7.0 students per 100 units, some of this is the result of the large number of units overall, and some of it is due to the housing market changes experienced over the last 3 years.

## 2. Elementary Migration

**Table IV-3** looks at how the combined enrollment in Grades 1 through 5 changes as those classes age into Grades 2 through 6 the following year compared to the amount of residential development authorized during the preceding year. In most years, those five grades have grown in total by anywhere between 2 to 49 students as they moved up one grade while the fifteen-year average is approximately +21 students. In the transition from October of 2007 to October of 2008, these grades experienced a net out-migration. This was the period of the housing market collapse. However, between October 2014 and October 2015 as in October 2019 to October 2020 where the COVID-19 Pandemic impacted school enrollment, and a net out-migration occurred. **Excluding these three years from the mean, results in an average in-migration of 29 students per year over the last 15 years which increases significantly to 42 students per year over the last 4 years.**

When the year-by-year elementary migration is compared to the number of building permits issued by the Town in the preceding year for non-senior housing units (single-family homes, condominiums, and rental apartments) the elementary migration fluctuated independently of the number of new housing units added, therefore no clear relationship between the level of residential construction and the level of elementary migration was noted when looking at the 10 and 15-year trends. However, over the last three to five years there seems to be a bit more correlation between new housing and elementary in-migration if we exclude the COVID-19 year migration of 2019-20/2020-21. Next we look at the potential impact of specific kinds of residential development.

Table IV-3

## Relationship of Elementary Migration to Residential Development - Scarborough

| Calendar Year       | Single-Family Homes | Non-Senior Multi-family Units | Total Non-Senior Units | School Year         | Net Migration       | In-Migration per 100 Units |                     |
|---------------------|---------------------|-------------------------------|------------------------|---------------------|---------------------|----------------------------|---------------------|
|                     |                     | (Excl 1-br Units)             | (Excl 1-br Units)      |                     | (Grades 1-5 to 2-6) | Per Single-Family Home     | Per Non-Senior Unit |
| 2003                | 159                 | 0                             | 159                    | 2003-04 to 2004-05  | 16                  | 10.1                       | 10.1                |
| 2004                | 110                 | 26                            | 136                    | 2004-05 to 2005-06  | 23                  | 20.9                       | 16.9                |
| 2005                | 96                  | 0                             | 96                     | 2005-06 to 2006-07  | 26                  | 27.1                       | 27.1                |
| 2006                | 66                  | 27                            | 93                     | 2006-07 to 2007-08  | 30                  | 45.5                       | 32.3                |
| 2007                | 71                  | 18                            | 89                     | 2007-08 to 2008-09  | -9                  | -12.7                      | -10.1               |
| 2008                | 54                  | 16                            | 70                     | 2008-09 to 2009-10  | 22                  | 40.7                       | 31.4                |
| 2009                | 38                  | 0                             | 38                     | 2009-10 to 2010-11  | 24                  | 63.2                       | 63.2                |
| 2010                | 55                  | 6                             | 58                     | 2010-11 to 2011-12  | 2                   | 3.6                        | 3.4                 |
| 2011                | 49                  | 0                             | 45                     | 2011-12 to 2012-13  | 35                  | 71.4                       | 77.8                |
| 2012                | 61                  | 9                             | 71                     | 2012-13 to 2013-14  | 31                  | 50.8                       | 43.7                |
| 2013                | 75                  | 0                             | 77                     | 2013-14 to 2014-15  | 14                  | 18.7                       | 18.2                |
| 2014                | 68                  | 0                             | 70                     | 2014-15 to 2015-16  | -11                 | -16.2                      | -15.7               |
| 2015                | 91                  | 38                            | 129                    | 2015-16 to 2016-17  | 49                  | 53.8                       | 38.0                |
| 2016                | 80                  | 8                             | 88                     | 2016-17 to 2017-18  | 22                  | 27.5                       | 25.0                |
| 2017                | 76                  | 86                            | 162                    | 2017-18 to 2018-19  | 26                  | 34.2                       | 16.0                |
| 2018                | 61                  | 128                           | 189                    | 2018-19 to 2019-20  | 44                  | 72.1                       | 23.3                |
| 2019                | 87                  | 117                           | 204                    | 2019-20 to 2020-21  | -12                 | -13.8                      | -5.9                |
| 2020                | 67                  | 47                            | 114                    | 2020-21 to 2021-22  | 34                  | 50.7                       | 29.8                |
| 2021                | 94                  | 109                           | 203                    | 2021-22 to 2022-23  | 48                  | 51.1                       | 23.6                |
| <b>15-Year Avg.</b> | 68                  | 39                            | 107                    | <b>15-Year Avg.</b> | 21                  | 33.0                       | 24.1                |
| <b>10-Year Avg.</b> | 76                  | 54                            | 131                    | <b>10-Year Avg.</b> | 25                  | 32.9                       | 19.6                |
| <b>5-Year Avg.</b>  | 77                  | 97                            | 174                    | <b>5-Year Avg.</b>  | 28                  | 38.9                       | 17.4                |
| <b>4-Year Avg.</b>  | 77                  | 100                           | 178                    | <b>4-Year Avg.</b>  | 29                  | 40.0                       | 17.7                |

Sources: Net Migration - Calculated based on October 1<sup>st</sup> attending resident enrollment. Residential New Housing Units - 2003-2022 from Town Planning Department



### C. Enrollment Impacts of Various Types of Residential Development

Scarborough has gone through various patterns of residential development. In the 1970s and 1980s, the Town experienced a mix of single-family development and townhouse-style condominium development much of which was located on the east side of the community. The 1990s saw primarily single-family development with much of it occurring in large-lot subdivisions some of which were in the west side of the community. Over the past fifteen years, residential development in Scarborough has returned to a more mixed pattern of development including low-density single-family development, higher density planned developments such as Dunstan Crossing and Eastern Village, and multi-family housing such as Carrier Woods and the Beacon, along with housing specifically geared toward seniors.

In 2015 a private public policy consulting firm, Planning Decisions Inc. was hired by Scarborough Public Schools to look at the impact of new housing unit development on enrollment. To help understand how various types of residential development impacted school enrollments, Planning Decisions looked at actual enrollments from a sample of various types of projects. **In 2018 a new study was completed which looked at the impact of various multi-family housing projects which will be discussed later in the report.** The various single-family subdivision groups were selected to see if and how school enrollments change as a subdivision ages. In addition, this most recent study also looked at some newer residential subdivisions in town to determine if the impact has changed or remained the same.

Three types of traditional single-family residential developments were identified to analyze in 2015:

- Traditional single-family subdivisions developed between 1995 and 2000
- Traditional single-family subdivisions developed between 2005 and 2010
- Traditional single-family subdivisions developed after 2010

Two types of traditional single-family residential developments were identified to analyze in 2022:

- Traditional single-family subdivisions starting development between 2013 and 2018
- Traditional single-family subdivisions starting development between 2019 and 2022

**Table IV-4** summarizes the enrollments per housing unit by the five categories. The table provides the enrollment per unit for the primary, intermediate, middle and high school grade groupings as well as for the total enrollment in all grades. Overall, there was a slightly lower level of enrollment per unit for K-12 enrollment between the 2022 findings compared to the 2015 findings, with the more recent single-family development bringing in fewer students in grades 6-8 and 9-12. Although it is important to note, not all of the units analyzed in 2019-2022 could have been built or lived in by the time school starts, and this information should be used with caution.

There was a notable change in the impact on Primary and Intermediate enrollment. Single-family subdivisions permitted and built between 2013 and 2018 contribute to a higher enrollment per unit in grades K-2 and 3-5, and the single-family subdivisions permitted between 2019 and 2022 contributed to a higher K-2 per unit enrollment than seen in the previous study. To predict the future impact of future single-family development on

enrollment, an average was used for the single-family subdivisions between 1995 and 2018. The most recent single family data (2019-2022) was excluded at this time because houses were still in process of being built and enrollment data would not reflect students who have not yet moved into their new homes.

| <b>Table IV-4 - Enrollment per Unit by Type of Development fo Single Family Homes</b>   |                            |                         |                   |                  |                   |
|---|----------------------------|-------------------------|-------------------|------------------|-------------------|
| <b>Type of Development</b>  | <b>Enrollment per Unit</b> |                         |                   |                  |                   |
|   | <b>Primary K-2</b>         | <b>Intermediate 3-5</b> | <b>Middle 6-8</b> | <b>High 9-12</b> | <b>Total K-12</b> |
| <b>2015 Planning Decisions Study</b>  |                            |                         |                   |                  |                   |
| Single-family Subdivisions 1995-2000  | 0.12                       | 0.17                    | 0.19              | 0.39             | 0.86              |
| Single-family Subdivisions 2005-2010  | 0.21                       | 0.18                    | 0.24              | 0.25             | 0.85              |
| Single-family Subdivisions after 2010   | 0.12                       | 0.12                    | 0.15              | 0.19             | 0.58              |
| <b>2022 Study</b>   |                            |                         |                   |                  |                   |
| Single-family Subdivisions 2013-2018  | 0.27                       | 0.25                    | 0.08              | 0.19             | 0.78              |
| Single-family Subdivisions 2019-2022*   | 0.20                       | 0.09                    | 0.03              | 0.03             | 0.38              |
| <b>Average Impact for Future Development</b>  |                            |                         |                   |                  |                   |
| <b>Average Single Family Subdivisions 1995-2018</b>   | <b>0.18</b>                | <b>0.18</b>             | <b>0.17</b>       | <b>0.26</b>      | <b>0.77</b>       |
| <b>Note:</b> For the 2019 - 2022 Single-Family Subdivisions, not all of these units have been completely built, therefore they will be excluded from the calculation used to make future impact on enrollment. <b>Source:</b> Calculated by Planning Decisions, Inc. in 2015 enrollment study, and 2022-23 enrollment study calculated by Wandell Consulting. |                            |                         |                   |                  |                   |

Fast forwarding to 2022, new multi-family housing unit development has increased significantly. The question of how this new development is impacting enrollment is at the forefront of facilities planning discussions. To determine the impact of future new multi-family housing on school enrollment we must first determine the impact of past multi-family housing unit development. Eight multi-family housing unit projects were identified to use for comparison purposes. These projects included Burnham Woods, Carrier Woods, Foxcroft, Coach Lantern, Meadow Woods, with The Oaks and the West Oaks being combined, the Avesta project called Southgate, and the Beacon (formerly known as Gateway) as one for the purpose of analysis. These eight developments account for 729 total units. The majority of units (501) offer 2-bedrooms, another 125 units have 3-bedrooms, and 103 offer only 1-bedroom or a studio unit. (See Table IV-5).

| Table IV-5 - Enrollment for Each Housing Project Studied - Scarborough Enrollment in Multifamily Housing Projects 2022-23 |                          |                     |                    |     |     |     |                            |     |     |      |      |                                    |           |           |            |            |  |
|---|--------------------------|---------------------|--------------------|-----|-----|-----|----------------------------|-----|-----|------|------|------------------------------------|-----------|-----------|------------|------------|--|
|   |                          | Housing Information |                    |     |     |     | Enrollment by School/Group |     |     |      |      | Ratio of Students/Unit (Excl 1-br) |           |           |            |            |  |
|   |                          | X of Units          | Studio/ 1 bd       |     |     |     | K-2                        | 3-5 | 6-8 | 9-12 | K-12 | Ratio K-2                          | Ratio 3-5 | Ratio 6-8 | Ratio 9-12 | Ratio K-12 |  |
| Development   | Roads                    |                     | Type of Units      |     | 2bd | 3bd |                            |     |     |      |      |                                    |           |           |            |            |  |
| Burnham Woods   | North St/Diner Dr        | 55                  | 1, 2 bd            | 40  | 15  | 0   | 0                          | 1   | 0   | 1    | 2    | 0.00                               | 0.07      | 0.00      | 0.07       | 0.13       |  |
| Carrier Woods   | Carrier Woods Rd         | 84                  | 1, 2 bd            | 42  | 42  | 0   | 1                          | 1   | 1   | 3    | 6    | 0.02                               | 0.02      | 0.02      | 0.07       | 0.14       |  |
| Foxcroft  | Foxcroft Rd/Foxcroft Cir | 104                 | 2 bd               | 0   | 104 | 0   | 4                          | 7   | 2   | 4    | 17   | 0.04                               | 0.07      | 0.02      | 0.04       | 0.16       |  |
| Coach Lantern   | Coach Lantern E/W        | 90                  | 2, 3 bd            | 0   | 35  | 55  | 11                         | 10  | 12  | 15   | 48   | 0.12                               | 0.11      | 0.13      | 0.17       | 0.53       |  |
| Meadow Woods  | 62 Gorham Rd             | 37                  | 1, 2, 3 bd         | 4   | 30  | 3   | 1                          | 4   | 3   | 4    | 12   | 0.03                               | 0.12      | 0.09      | 0.12       | 0.36       |  |
| Oaks E/W  | Pinoak Dr                | 135                 | 1, 2, 3 bd         | 7   | 111 | 17  | 15                         | 15  | 12  | 25   | 67   | 0.12                               | 0.12      | 0.09      | 0.20       | 0.52       |  |
| Southgate - Avesta  | 577 US Route 1           | 38                  | Studio, 1, 2, 3 bd | 10  | 20  | 8   | 8                          | 4   | 2   | 11   | 25   | 0.29                               | 0.14      | 0.07      | 0.39       | 0.89       |  |
| Beacon (Gateway)  | Gateway Ct, Gateway Cir  | 186                 | 2, 3 bd            |     | 144 | 42  | 11                         | 8   | 10  | 4    | 33   | 0.06                               | 0.04      | 0.05      | 0.02       | 0.18       |  |
| Totals  |                          | 729                 |                    | 103 | 501 | 125 | 51                         | 50  | 42  | 67   | 210  | 0.08                               | 0.08      | 0.07      | 0.11       | 0.34       |  |

**Table IV-6** details the enrollment by grade and by grade group for each of the eight projects used for comparison and then calculates a ratio of students per unit; 1-bedroom units were excluded from the ratios since studios and one-bedroom units would have no impact on enrollment. For all grades, K-12, there was 210 students in Scarborough living in these eight multi-family housing projects. While students were distributed through all grade levels, slightly more students were found in grades 9-12 (67 students total) compared to the other 3 grade groups (51 in grades K-2, 50 in grades 3-5, and 42 students in grades 6-8).

Interestingly, a different enrollment per unit is noted between projects with 1 and 2 bedrooms compared with projects that offer 1, 2 and 3-bedroom units.

**Burnham Woods:**

- Offers **15** 2-bedroom units
- K-12 enrollment was 0.13 students/unit

**Carrier Woods:**

- Offers **42** 2-bedroom units
- K-12 enrollment was 0.14 students/unit

**Foxcroft:**

- Offers **104** 2-bedroom units
- K-12 enrollment was 0.16 students/unit

When looking at the projects with 1, 2 and 3 bedroom units (Coach Lantern, Meadow Woods, The Oaks/West Oaks, Southgate and Beacon), the overall ratio of students per all unit types more than doubles for Meadow Woods with 0.36 students/unit, is four times higher for Coach Lantern which had an enrollment of 0.53 students/unit, the Oaks and West Oaks combined, with an enrollment of 0.52 students/unit, and Southgate is five times higher with an enrollment 0.89 students per unit.

The Oaks and West Oaks offers a larger scale development in close proximity to the schools with the vast majority being market rate units. Whether the size of the project or location of the project makes it more desirable is a bit of an uncertainty, but one would venture to guess both factors are at least considered by the families renting the units. When looking at the impact by specific project type and for bedroom type the data also reveals some interesting trends.

Additionally, the Beacon (Gateway) project, despite offering 3-bedroom units, has an enrollment of 0.18 students per unit which is more in line with the projects consisting only of 1 and 2-bedroom units. Factors that may be impacting families' decision to rent here are, this project is still under construction, and the cost to rent the units can be higher than other options in town. The impact on enrollment for this development may change over the next five years as construction is completed and housing options throughout Scarborough change, but at this point it too soon to know for certain.

**Table IV-6** also breaks down the enrollment by 2 and 3-bedroom units for each of the multi-family housing projects analyzed.

**Coach Lantern:**

- Offers 35 2-bedroom units and 55 3-bedroom units
- 2-bedroom units contribute 0.11 students/unit, a ratio very similar to Burnham Woods, Carrier Woods, and Foxcroft
- 3-bedroom units contribute 0.80 students/unit. A ratio higher than the impact of single-family homes built after 2010, or 0.58 students/units, but similar to the impact of those single-family homes built between 2005 and 2010, or 0.85 students/unit, and 2013 and 2018 or 0.78 students/unit.

**Meadow Woods:**

- Offers 30 2-bedroom units and 3 3-bedroom units.
- 2-bedroom units contribute 0.30 students/unit, in line with multi-family rentals, or 0.36 students/unit
- 3-bedroom units contribute 1.00 students/units. A ratio higher than the student/unit impact of any single-family homes, but was also subject to significant skewing of the data due to the extremely small sample size of 3 units with 3-bedrooms

**The Oaks/West Oaks:**

- Offers 111 2-bedroom units and 17 3-bedroom units
- 2-bedroom impact is 0.49 students/unit, a slightly lower rate compared to single-family homes built after 2010, or 0.58 students/unit but higher than all other multi-family projects in this study
- 3-bedroom units impact is 0.76 students/unit, a rate that also falls inline with the single-family home impact

**Southgate/Avesta:**

- Offers 20 2-bedroom units and 8 3-bedroom units
- 2-bedroom impact is 0.45 students/unit, a slightly lower rate compared to single-family homes built after 2010, or 0.58 students/unit
- 3-bedroom units impact is 2.00 students/unit, a rate that is more than double the single-family home impact, but was also subject to significant skewing of the data due to the extremely small sample size of 8 units with 3-bedrooms

**Beacon/Gateway:**

- Offers 144 2-bedroom units and 42 3-bedroom units
- 2-bedroom impact is 0.06 students/unit, a significantly lower rate compared to other multi-family housing projects but is a project that offers by far the most 2-bedroom units in the projects assessed, and is still under construction
- 3-bedroom units impact is 0.57 students/unit, a similar rate compared to single-family homes built after 2010, or 0.58 students/unit

**Table IV-6 - Impact by Specific Project Type and by Bedroom/Unit Type - Scarborough Enrollment in Multi-family Housing Projects 2022-23**

| Projects with only 1 and 2 bedroom units      |                          |                     |               |      |     |     |                            |     |     |      |      |                                    |           |           |            |            |
|---|--------------------------|---------------------|---------------|------|-----|-----|----------------------------|-----|-----|------|------|------------------------------------|-----------|-----------|------------|------------|
|   |                          | Housing Information |               |      |     |     | Enrollment by School/Group |     |     |      |      | Ratio of Students/Unit (Excl 1-br) |           |           |            |            |
|   |                          | X of Units          | Type of Units | 1 bd | 2bd | 3bd | K-2                        | 3-5 | 6-8 | 9-12 | K-12 | Ratio K-2                          | Ratio 3-5 | Ratio 6-8 | Ratio 9-12 | Ratio K-12 |
| Development                                   | Roads                    |                     |               |      |     |     |                            |     |     |      |      |                                    |           |           |            |            |
| Burnham Woods                                 | North St/Diner Dr        | 55                  | 1, 2 bd       | 40   | 15  | 0   | 0                          | 1   | 0   | 1    | 2    | 0.00                               | 0.07      | 0.00      | 0.07       | 0.13       |
| Carrier Woods                                 | Carrier Woods Rd         | 84                  | 1, 2 bd       | 42   | 42  | 0   | 1                          | 1   | 1   | 3    | 6    | 0.02                               | 0.02      | 0.02      | 0.07       | 0.14       |
| Foxcroft                                      | Foxcroft Rd/Foxcroft Cir | 104                 | 2 bd          | 0    | 104 | 0   | 4                          | 7   | 2   | 4    | 17   | 0.04                               | 0.07      | 0.02      | 0.04       | 0.16       |
| Impact from Projects with 1/2 bedrooms        |                          | 243                 |               | 82   | 161 | 0   | 5                          | 9   | 3   | 8    | 25   | 0.03                               | 0.06      | 0.02      | 0.05       | 0.16       |
| Projects with 1, 2, 3 bedroom units           |                          |                     |               |      |     |     |                            |     |     |      |      |                                    |           |           |            |            |
|   |                          | Housing Information |               |      |     |     | Enrollment by School/Group |     |     |      |      | Ratio of Students/Unit (Excl 1-br) |           |           |            |            |
|   |                          | X of Units          | Type of Units | 1 bd | 2bd | 3bd | K-2                        | 3-5 | 6-8 | 9-12 | K-12 | Ratio K-2                          | Ratio 3-5 | Ratio 6-8 | Ratio 9-12 | Ratio K-12 |
| Development                                   | Roads                    |                     |               |      |     |     |                            |     |     |      |      |                                    |           |           |            |            |
| Coach Lantern                                 | Coach Lantern E/W        | 90                  | 2, 3 bd       | 0    | 35  | 55  | 11                         | 10  | 12  | 15   | 48   | 0.12                               | 0.11      | 0.13      | 0.17       | 0.53       |
|   |                          | 35                  |               |      | 35  | 1   | 2                          | 1   | 0   | 4    | 0.03 | 0.06                               | 0.03      | 0.00      | 0.11       |            |
|   |                          | 55                  |               |      |     | 55  | 10                         | 8   | 11  | 15   | 44   | 0.18                               | 0.15      | 0.20      | 0.27       | 0.80       |
| Meadow Woods                                  | 62 Gorham Rd             | 37                  | 1, 2, 3 bd    | 4    | 30  | 3   | 1                          | 4   | 3   | 4    | 12   | 0.03                               | 0.12      | 0.09      | 0.12       | 0.36       |
|   |                          | 30                  |               |      | 30  | 1   | 4                          | 1   | 3   | 9    | 0.03 | 0.13                               | 0.03      | 0.10      | 0.30       |            |
|   |                          | 3                   |               |      |     | 3   | 0                          | 0   | 2   | 1    | 3    | 0.00                               | 0.00      | 0.67      | 0.33       | 1.00       |
| Oaks E/W                                      | Pinoak Dr                | 135                 | 1, 2, 3 bd    | 7    | 111 | 17  | 15                         | 15  | 12  | 25   | 67   | 0.12                               | 0.12      | 0.09      | 0.20       | 0.52       |
|   |                          | 111                 |               |      | 111 | 13  | 11                         | 10  | 20  | 54   | 0.12 | 0.10                               | 0.09      | 0.18      | 0.49       |            |
|   |                          | 17                  |               |      | 17  | 2   | 4                          | 2   | 5   | 13   | 0.12 | 0.24                               | 0.12      | 0.29      | 0.76       |            |
| Southgate - Avesta                            | 577 US Route 1           | 38                  | 1, 2, 3 bd    | 10   | 20  | 8   | 8                          | 4   | 2   | 11   | 25   | 0.29                               | 0.14      | 0.07      | 0.39       | 0.89       |
|   |                          | 20                  |               |      | 20  | 3   | 1                          | 1   | 4   | 9    | 0.15 | 0.05                               | 0.05      | 0.20      | 0.45       |            |
|   |                          | 8                   |               |      | 8   | 5   | 3                          | 1   | 7   | 16   | 0.63 | 0.38                               | 0.13      | 0.88      | 2.00       |            |
| Beacon (Gateway)                              | Gateway Ct, Gateway Cir  | 186                 | 2, 3 bd       |      | 144 | 42  | 11                         | 8   | 10  | 4    | 33   | 0.06                               | 0.04      | 0.05      | 0.02       | 0.18       |
|   |                          | 144                 |               |      | 144 | 4   | 2                          | 2   | 1   | 9    | 0.03 | 0.01                               | 0.01      | 0.01      | 0.06       |            |
|   |                          | 42                  |               |      | 42  | 7   | 6                          | 8   | 3   | 24   | 0.17 | 0.14                               | 0.19      | 0.07      | 0.57       |            |
| Impact from Projects with 1/2/3 Bedroom Units |                          | 486                 |               | 21   | 340 | 125 | 46                         | 41  | 39  | 59   | 185  | 0.10                               | 0.09      | 0.08      | 0.13       | 0.40       |
| Impact from 2 Bedroom Units                   |                          | 340                 |               |      | 340 |     | 22                         | 20  | 15  | 28   | 85   | 0.06                               | 0.06      | 0.04      | 0.08       | 0.25       |
| Impact from 3 Bedroom Units                   |                          | 125                 |               |      |     | 125 | 24                         | 21  | 24  | 31   | 100  | 0.19                               | 0.17      | 0.19      | 0.25       | 0.80       |
| Impact from 2-Bd Units, Both Project Types    |                          | 501                 |               |      | 501 |     | 27                         | 29  | 18  | 36   | 110  | 0.05                               | 0.06      | 0.04      | 0.07       | 0.22       |

\*Beacon is not fully built - this includes all units built at this time, remaining units will consist of mostly studio, 1-bedroom and some 2-bedroom

Lastly, **Table IV-7** compares the 2015 study findings for the enrollment per unit of impact for non-senior multi-family rentals to the overall ratios of impact from the 2018 study and the 2022 study. Interestingly, the ratios have not significantly changed. The total enrollment per multi-family unit in 2015 was 0.36 students/unit while in 2018 the total impact was 0.38 students/unit, and in 2022 the impact was 0.34 students/unit.

However, in 2018 when we looked at things more closely, or specifically by number of bedrooms offered in each unit and the enrollment coming from each unit type, the impact was significantly different, with the impact of 3-bedroom units being significantly higher than the combined impact of all unit types. In 2018 the impact from 3-bedroom units was 0.68 students/unit, however by 2022 the impact of 3-bedroom units is now 0.80 students/unit. **The impact of a 3-bedroom multi-family unit is now the same as a single-family home.**

| Table IV-7  |                     |                     |               |              |       |
|---|---------------------|---------------------|---------------|--------------|-------|
| Enrollment per Unit Comparison 2015 Study to the 2018 and 2022 Studies - Scarborough Enrollment 2018-19 and 2022-23     |                     |                     |               |              |       |
| Type of Development   | Enrollment per Unit |                     |               |              |       |
|   | Primary<br>K-2      | Intermediate<br>3-5 | Middle<br>6-8 | High<br>9-12 | Total |
| <b>2015 Study</b>   |                     |                     |               |              |       |
| Non-Senior Multi-family Rentals   | 0.1                 | 0.08                | 0.09          | 0.08         | 0.36  |
| <b>2018 Study</b>   |                     |                     |               |              |       |
| All Non-Senior Multi-family Units<br>6 Projects Combined (excludes 1-bd units)  | 0.11                | 0.09                | 0.08          | 0.1          | 0.38  |
| 1 & 2 bedroom Unit Projects<br>Burnham Woods/Carrier Woods/Foxcroft   | 0.04                | 0.04                | 0.04          | 0.04         | 0.16  |
| 1, 2, & 3 bedroom Unit Projects<br>Coach Lantern/Meadow Woods/Oaks E/W  | 0.15                | 0.13                | 0.12          | 0.14         | 0.53  |
| Impact from 2-bedroom Units   | 0.15                | 0.1                 | 0.1           | 0.11         | 0.46  |
| Impact 3-bedroom Units  | 0.15                | 0.2                 | 0.15          | 0.19         | 0.68  |
| Combined 2-bedroom Unit Impact  | 0.1                 | 0.07                | 0.07          | 0.08         | 0.32  |
| <b>2022 Study</b>   |                     |                     |               |              |       |
| All Non-Senior Multi-family Units<br>8 Projects Combined (excludes 1-bd units)  | 0.08                | 0.08                | 0.07          | 0.11         | 0.34  |
| 1 & 2 bedroom Unit Projects<br>Burnham Woods/Carrier Woods/Foxcroft   | 0.03                | 0.06                | 0.02          | 0.05         | 0.16  |
| 1, 2, & 3 bedroom Unit Projects<br>Coach Lantern/Meadow Woods/Oaks E/W/Southgate/Beacon                                 | 0.10                | 0.09                | 0.08          | 0.13         | 0.40  |
| Impact from 2-bedroom Units   | 0.06                | 0.06                | 0.04          | 0.08         | 0.25  |
| Impact 3-bedroom Units  | 0.19                | 0.17                | 0.19          | 0.25         | 0.80  |
| Combined 2-bedroom Unit Impact  | 0.05                | 0.06                | 0.04          | 0.07         | 0.22  |
| Source: Calculated by Planning Decisions, Inc. in 2015 enrollment study, 2018 and 2022 calculated by Wandell Consulting |                     |                     |               |              |       |

## D. Future Rate of Residential Development

The amount of residential development in Scarborough has varied widely over the past. The number of permits for new single-family homes dropped from 159 in 2003 to a low of 38 in 2009. **(See Table IV-1).** Since 2012, single-family starts have rebounded averaging 77 units between 2013 and 2022. Prior to 2015, multi-family housing that was not targeted to seniors has occurred intermittently over the past decade primarily at the Oaks/West Oaks development in Oak Hill. However, as discussed previously more recently new multi-family unit development has increased significantly and based on the assessment in the last section, multi-family housing has a strong influence on in-migration in the schools, and 3-bedroom multi-family units have the same impact on enrollment as a single-family home.

The next question is, where will future development fall? The Town of Scarborough currently has a Growth Management Ordinance which will drive the amount and type of new housing unit development in Scarborough.

The details are below *(information and table taken from the 2-14-2023 Workshop presentation.)* **While there is discussion around changing the Growth Management Ordinance, that change was not solidified when this report was written.**

### Existing GMO Summary

1. The existing GMO allows an annual allocation (fixed number) of residential permits per calendar year. This number is revised every two years.
  - a. 144 total permits each year (each permit equals one residential unit)
  - b. No more than 30 permits in the Rural Districts (west of the turnpike)
  - c. No more than 20% (29) of total permits in a common scheme, except no more than 30% (43) of the total in the Crossroad Planned Districts (The Downs)
2. The existing GMO also allows for exemptions including:
  - a. All Repair and Replacement Units and Gift Lots
  - b. All Affordable Housing Units
  - c. All Manufactured Housing Units in a Licensed Community
  - d. Up to (100) One-Bedroom Multi-Family Units (until 12/31/2024)
  - e. Up to 10 Workforce Housing Units Per Year
  - f. Up to (289) Mixed Use or MF in Crossroads Planned Development (until 12/31/2025)
3. Exemption process to be heard through the Town Council if the unit is within the designated growth areas, the unit is part of mixed-use or multi-family, and provides public benefit.



Figure 4 - From Town GMO Workshop

| Calendar Year | Current GMO Exemptions |      |           |                       | AREA 1 - Rural and SF Districts & Running Hill | AREA 2 - Growth Areas | AREA 3 - CPD      |                            | Townwide Total Units (plus exemptions) |
|---------------|------------------------|------|-----------|-----------------------|--|-----------------------|-------------------|----------------------------|--|
|               | Affordable             | MF   | Workforce | 100 One Bedroom Units | Up to 30 per year                              | Up to 144 per year    | (SF) existing GMO | CPD (MU & MF) existing GMO |  |
|               |                        |      |           |                       |  |                       |                   | 289                        |  |
| 2023          | open                   | open | 10        | 50                    | 30   | 71                    | 43                | 97                         | 301                                    |
| 2024          | open                   | open | 10        | 50                    | 30   | 71                    | 43                | 97                         | 301                                    |
| 2025          | open                   | open | 10        |                       | 30   | 71                    | 43                | 96                         | 250                                    |

Considering the Growth Management Ordinance will allow for 144 single family homes, 97 mixed use and multi-family units, and allows for exemptions, some assumptions can be made about future development to help determine if alternative enrollment projections based on the impact of residential development are needed.

In thinking about future development, Autumn Speer, Scarborough's Town Planner was asked about the likely level of future residential development in Scarborough over the next five years. Based on the current level of activity, she projects single-family homes would probably fall somewhere around 70 to 80 new units per year on average but have the potential to increase, and may be higher in some years, depending on if all available permits for a three-year period are pulled at one time. In addition, the multi-family units will continue to be built in the Crossroads development, and those permits are available at 97 permits per year with 19 of those units being estimated as 3-bedroom units. With exemptions to the GMO still expected to occur, it would not be surprising to see development occur at around 190 permits issued annually.

However, there is potential for permits for the maximum of single-family homes to be pulled (144) along with all multi-family units (97), and some exemptions to the GMO could be made. This means future development could potentially be higher than 190 units estimated. For comparison purposes, an estimate of 241 units per year will be used to assess if the modeling adequately accounts for higher levels of development, or if an additional model showing these higher levels of developments is needed.

**Next, the “best fit” model +COVID Adjustment will be tested to determine what level of new housing unit development is accounted for in the preschool and elementary migration trends, or if additional modeling is needed.**

## E. Relationship of Residential Development to School Enrollment

The in-house cohort survival does not directly incorporate the level of residential development and turnover in the existing housing stock when projecting school enrollment. Rather, the survival ratios used within cohort models reflect the historical impact of net migration (which is influenced by residential development and turnover) on school enrollment. If future residential development levels, turnover levels, or their relationship to net migration is significantly different from levels experienced in the past ten years, then cohort survival models may overstate or understate future enrollment. For school planning purposes, understanding the degree to which residential development activity will impact school enrollment is important.

### 1. Net Preschool Migration

To show the relationship between residential development and preschool net migration, the ratios between net preschool migration reflected in the first-grade enrollment and the number of new housing units built in Scarborough between the year of the first-grade enrollment and the six years prior. (See Table IV-8).

On average, for each of the five-year periods examined, 536 new housing units were built in Scarborough. The average net migration of preschool-aged children for each of the first-grade enrollment years was an in-migration of 59 children, for a ratio of 0.110 children per unit, or a gain of about 11 children per 100 units built.

On average, over the last five-year period of 2013-17 to 2017-21, 713 new housing units were built in Scarborough, a higher level than the 10-year average. The average net migration of preschool-aged children for each of the first-grade enrollment years was an in-migration of 56 children, for a ratio of 0.078 children per unit, or a gain of about 7 to 8 children per 100 units built, or a lower average in-migration compared to what was as seen over the 10-year period but was heavily impacted by the large number of multi-family units added.

On average, over the last three-year period of 2015-19 to 2017-21, 800 new housing units were built in Scarborough, a higher level compared with what occurred over the last five-year period. The average in-migration of preschool-aged children for each of the first-grade enrollment years was lower compared with the last five-year average, or an average in-migration of 49 children occurred, for a ratio of 0.061 children per unit, or a gain of about 6 children per 100 units built.

Since in **Section II and Section III** it was determined the COVID-19 Pandemic impacted migration trends in Scarborough, to determine the average impact on future preschool in-migration levels from projected residential development, the four-year experience in Scarborough, or a ratio of 0.072 of preschool in-migration to residential development will be used for comparison. This will help to capture what was happening in years on each side of the Pandemic.

**Table IV-8**

**Births, First Grade Enrollments, Net Preschool Migration and New Housing Units Added in Scarborough**

| Birth Year                        | # of Births | 1st Grade Class Year        | 1st Grade Enrollment | Net Migration | Building Years    | SFH Units Added | Ratio Migr/SF HU | All New HU Added | Ratio Migr/HU |
|-----------------------------------|-------------|-----------------------------|----------------------|---------------|-------------------|-----------------|------------------|------------------|---------------|
| 2006-07                           | 135         | 10/13                       | 199                  | 64            | 2008-12           | 257             | 0.249            | 294              | 0.218         |
| 2007-08                           | 142         | 10/14                       | 212                  | 70            | 2009-13           | 278             | 0.252            | 301              | 0.233         |
| 2008-09                           | 138         | 10/15                       | 209                  | 71            | 2010-14           | 308             | 0.231            | 333              | 0.213         |
| 2009-10                           | 129         | 10/16                       | 173                  | 44            | 2011-15           | 344             | 0.128            | 401              | 0.110         |
| 2010-11                           | 135         | 10/17                       | 199                  | 64            | 2012-16           | 375             | 0.171            | 434              | 0.147         |
| 2011-12                           | 129         | 10/18                       | 187                  | 58            | 2013-17           | 390             | 0.149            | 526              | 0.110         |
| 2012-13                           | 150         | 10/19                       | 223                  | 73            | 2014-18           | 376             | 0.194            | 638              | 0.114         |
| 2013-14                           | 167         | 10/20                       | 221                  | 54            | 2015-19           | 395             | 0.137            | 772              | 0.070         |
| 2014-15                           | 158         | 10/21                       | 195                  | 37            | 2016-20           | 371             | 0.100            | 757              | 0.049         |
| 2015-16                           | 157         | 10/22                       | 213                  | 56            | 2017-21           | 385             | 0.145            | 872              | 0.064         |
| <b>10 Yr Avg. (06/07 - 15/16)</b> | 144         | <b>10 Year Avg. (13-22)</b> | 203                  | 59            | <b>Avg. 08-21</b> | 348             | 0.170            | 533              | 0.111         |
| <b>5 Yr Avg. (11/12 - 15/16)</b>  | 152         | <b>5 Year Avg. (18-22)</b>  | 208                  | 56            | <b>Avg. 13-21</b> | 383             | 0.145            | 713              | 0.078         |
| <b>4 Yr Avg. (12/13 - 15/16)</b>  | 158         | <b>4 Year Avg. (19-22)</b>  | 213                  | 55            | <b>Avg. 14-21</b> | 382             | 0.144            | 760              | 0.072         |
| <b>3 Yr Avg. (13/14 - 15/16)</b>  | 161         | <b>3 Year Avg. (20-22)</b>  | 210                  | 49            | <b>Avg. 15-21</b> | 384             | 0.128            | 800              | 0.061         |

**Sources:** Births - Bureau of Health Statistics and Data Management, Maine Department of Health and Human Services, Bureau of Vital Records Administration. 1st Grade Enrollment - Scarborough School Department. Residential New Housing Units - Scarborough Planning Office, housing unit data was revised on 2/28/2023. Note, SFH = single-family homes, HU = housing units, Migr = Migration

To determine how many new housing units are accounted for in the 2022-23 “best fit” model +COVID Adjustment, the average ratio of preschool in-migration to housing units was applied to the average preschool in-migration projected by the 2022-23 “best fit” model +COVID Adjustment. (See Table IV-9).

Based on this analysis, the 2022-23 “best fit” model +COVID Adjustment accounts for the development of about 190 new housing units annually. Therefore, the 2022-23 “best fit” model +COVID Adjustment would adequately estimate the impact of new housing development if 190 new housing units are added annually. This level of development is reasonably consistent with what the Town Planner expected for future development and but is higher than the last five-year average of annual development. **Regardless, no adjustment to preschool migration is needed for the 2022-23 “best fit” +COVID Adjustment model to account for expected levels of new residential development.**

Looking at the difference between what the 2022-23 “best fit” +COVID Adjustment model accounts for what would potentially be the maximum estimated future development (excluding 1-bedroom units), or 241 housing units added annually, the model accounts for 51 fewer units annually. If we take the difference of 51 units and apply it to the average ratio of preschool in-migration to new units, or 0.072, we find a difference of 3.7. In other words, if new housing unit development occurs at the GMO maximum of 241 permits per year, to adequately account for the impact of those new housing units, an additional 3.7 students should be added to each future first-grade class.

Therefore, an additional projection model for Scarborough was created called the “housing impact HIGH” model which includes the addition of 3.7 students in each projected first grade class size.

| Table IV 9 - Comparison of the Potential Impact of Future New Housing Development on Preschool Migration to the Best Fit Enrollment Projection Model |                                   |
|--|-----------------------------------|
|  | Best Fit Model + Covid Adjustment |
| Annual New Housing Units Added (as accounted for by the Best Fit Model)  | 190                               |
| Projected Housing Added Over 5-Year Period   | 950                               |
| Average Ratio of Preschool In-migration to New Housing Units Between 2015-2021   | 0.072                             |
| Potential Preschool In-migration Resulting from Projected Development Levels   | 68.8                              |
| Average Preschool In-migration Levels reflected in Best Fit Cohort + COVID Adjustment Survival Model   | 69.1                              |
| <b><i>Difference - Potential Impact per First Grade Class</i></b>  | <b>-0.3</b>                       |
| Max All Housing Units (Excluding 1-bedroom)  | 241                               |
| Difference between high estimate of future development and 190 housing units   | 51                                |
| Average Ratio of Preschool In-migration to New Housing Units Between 2015-2021   | 0.072                             |
| <b><i>Impact from additional housing units (# of additional housing units X average in-migration/per unit)</i></b>                                   | <b>3.7</b>                        |
| 2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023  |                                   |
| Data produced by Wandell Consulting  |                                   |

## 2. Net Elementary (Grades 1-6) Migration

Regarding the relationship between residential development levels and migration of students at the elementary grades (first to sixth), the ratio of annual net migration of students at each of the grade levels and annual new housing units built in Scarborough during the year was examined. (See Table IV-10).

In the ten years between 2012-13/2013-14 and 2021-22/2022-23, Scarborough experienced an average net in-migration of elementary students while migration fluctuated year-to-year between an out-migration of 12 students and an in-migration of 49 students. The average ratio of in-migration of elementary students (1-6) to new housing units was 0.188, or, on average, over the last ten years every 100 housing units built in Scarborough resulted in the in-migration of about 18 elementary-aged students.

Scarborough experienced an average in-migration of elementary students over the last five years (2017-18/2018-19 to 2021-22/2022-23), with an average in-migration ratio of 0.161. On average, over the last five years for every 100 housing units built in Scarborough an in-migration of about 16 elementary-aged students occurred.

Over the last three years (2019-20/2020-21 to 2021-22/2022-23), Scarborough experienced an average in-migration of elementary students, with an in-migration ratio of 0.134. Or, on average, over the last three years for every 100 housing units built in Scarborough an in-migration of about 13 elementary-aged students occurred, a lower level of migration compared with most recent five-year average.

However, as established previously since the last three to five years of migration trends have been impacted by the COVID-19 Pandemic, looking at the data without the 2019-20/2020-21 out-migration makes sense to get a better idea of what has been happening. Therefore, the average of trends for 2018-19/2019-20, 2020-21/2021-22, 2021-22/2022-23 will be used for comparison purposes. During the years, Scarborough experienced an average in-migration of 42 elementary students, with an in-migration ratio of 0.249. Or, on average, over the last three years for every 100 housing units built in Scarborough an in-migration of about 25 elementary-aged students occurred if we discount the COVID-19 migration year of 2019-20/2020-21.

**Table IV-10**  
**Net Elementary (1-6) Migration and New Home Development - Scarborough**

| Enrollment Years                 | Net Migration | Permit Year              | Single Family Homes | Ratio Migr/Perm | All New Housing Units (Excl 1-bd) | Ratio Migr/Perm |
|----------------------------------|---------------|--------------------------|---------------------|-----------------|-----------------------------------|-----------------|
| 2012-13 to 2013-14               | 31            | 2012                     | 61                  | 0.508           | 70                                | 0.443           |
| 2013-14 to 2014-15               | 14            | 2013                     | 75                  | 0.187           | 77                                | 0.182           |
| 2014-15 to 2015-16               | -11           | 2014                     | 68                  | -0.162          | 70                                | -0.157          |
| 2015-16 to 2016-17               | 49            | 2015                     | 91                  | 0.538           | 129                               | 0.380           |
| 2016-17 to 2017-18               | 22            | 2016                     | 80                  | 0.275           | 88                                | 0.250           |
| 2017-18 to 2018-19               | 26            | 2017                     | 76                  | 0.342           | 162                               | 0.160           |
| 2018-19 to 2019-20               | 44            | 2018                     | 61                  | 0.721           | 189                               | 0.233           |
| 2019-20 to 2020-21               | -12           | 2019                     | 87                  | -0.138          | 204                               | -0.059          |
| 2020-21 to 2021-22               | 34            | 2020                     | 67                  | 0.507           | 114                               | 0.298           |
| 2021-22 to 2022-23               | 48            | 2021                     | 94                  | 0.511           | 203                               | 0.236           |
| <b>10 yr Avg (11/12 - 20/21)</b> | 25            | <b>10 yr Avg (11-20)</b> | 76                  | 0.322           | 131                               | 0.188           |
| <b>5 yr Avg (16/17 - 20/21)</b>  | 28            | <b>5 yr Avg (16-20)</b>  | 77                  | 0.364           | 174                               | 0.161           |
| <b>3 yr Avg (18/19 - 20/21)</b>  | 23            | <b>3 yr Avg (18-20)</b>  | 83                  | 0.282           | 174                               | 0.134           |
| <b>Avg (18/19, 20/21, 21/22)</b> | 42            | <b>Avg (18, 20, 21)</b>  | 74                  | 0.568           | 169                               | 0.249           |

**Sources:** Net Migration - Calculated based on October 1st Resident Enrollment data from MDOE. **Residential New Housing Units:** 2012-2021 from the Town of Scarborough, updated on 2/28/2023

To determine how many housing units are accounted for in the 2022-23 “best fit” +COVID Adjustment model, the average ratio of elementary in-migration to housing units was applied to the average elementary in-migration projected by the 2022-23 “best fit” model +COVID Adjustment. (See Table IV-11). Based on this analysis, the 2022-23 “best fit” model +COVID Adjustment accounts for the development of **142 new housing units added annually**, or 48 fewer units than estimated housing of 190 units, and 99 fewer units if the high level of single family home development occurs or 241 units.

| <b>Table IV-11 - Comparison of the Potential Impact of Future New Housing Unit Development on Elementary In-Migration (Grades First through Sixth) to the “Best Fit” Enrollment Projections for Scarborough</b> |  |
|---|--|
|   | <b>Housing Units Accounted for the 2022-23 Best Fit Model + COVID Impact</b> |
| New Housing Units Added   | 142  |
| Average Ratio of In-migration to New Housing Unit Added in 2018, 2020, 2021   | 0.249  |
| Potential Annual In-grade In-migration Resulting from Projected Residential Development   | 35.4   |
| Average Annual In-migration Levels for Grades 1-6 reflected in the 2022-23 “best fit” +COVID Adjustment model   | 35.5   |
| Difference - Potential Impact   | -0.2   |
| <b><i>Difference per grade in grades 1 to 6</i></b>   | <b><i>0.0</i></b>  |
| <b>Source:</b> Calculated by Wandell Consulting   |  |

Since the housing study found that new housing is impacting more than just elementary migration in Scarborough, to determine the impact of housing unit development on enrollment, the ratios from Tables IV-4 and IV-7 will be used to assess the full impact on enrollment, recapped here in Table IV-12.

| <b>Table IV-12 - Assessment of Additional Housing on Enrollment per Unit by Type of Development - Scarborough</b> |                            |                               |                         |                        |                         |
|---|----------------------------|-------------------------------|-------------------------|------------------------|-------------------------|
| <b>Type of Development</b>  | <b>Enrollment per Unit</b> |                               |                         |                        |                         |
|   | <b>Primary<br/>(K-2)</b>   | <b>Intermediate<br/>(3-5)</b> | <b>Middle<br/>(6-8)</b> | <b>High<br/>(9-12)</b> | <b>Total<br/>(K-12)</b> |
| <b>Single Family Impact</b>   | <b>0.18</b>                | <b>0.18</b>                   | <b>0.17</b>             | <b>0.26</b>            | <b>0.77</b>             |
| <b>Multi-Family: Projects with 1, 2, 3-bedroom units Impact</b>   | <b>0.10</b>                | <b>0.09</b>                   | <b>0.08</b>             | <b>0.13</b>            | <b>0.40</b>             |
| <b>(2 + 3-bedroom impact combined)</b>  |                            |                               |                         |                        |                         |
| <i>2-bedroom unit impact ratio (students/unit)</i>  | <i>0.06</i>                | <i>0.06</i>                   | <i>0.04</i>             | <i>0.08</i>            | <i>0.25</i>             |
| <i>3-bedroom unit impact ratio (students/unit)</i>  | <i>0.19</i>                | <i>0.17</i>                   | <i>0.19</i>             | <i>0.25</i>            | <i>0.80</i>             |
| <b>Source:</b> 1-bedroom units are discounted from the enrollment impact study. Calculated by Wandell Consulting  |                            |                               |                         |                        |                         |

### Potential Housing Scenario 1:

Next, some assumptions were made about the break-down of future units added. Out of the 190 units estimated to be added in the future,

- 80 were assumed to be single-family homes
- 97 are multi-family units allowed under the Growth Management Ordinance
  - 19 being 3-bedroom units
  - 78 being 2-bedroom units
- then another 13 units are from exempt projects, estimated to be all 2-bedroom units

**NOTE:** These 13 units could conceivably be single-family homes as there would still be potential for 48 additional single-family permits to be pulled, or exempt projects could conceivably consist of a combination of 1, 2 and 3-bedroom units. For the purpose of assessing potential impact, the assumption will be that these are all 2-bedroom units.

**Scenario 1:** Using these assumptions and knowing that the 2022-23 “best fit” model +COVID Adjustment already accounts for around 142 units, only 48 units would have an addition impact on enrollment. What type of units these 48 would be was then estimated and rounded based on some assumptions:

- 70 are single-family homes, leaving 10 single-family homes remaining
- 72 are multi-family – leaving 25 multi-family units remaining
- no exempt units – leaving 13 units remaining

Next, the impact of the 48 additional units can be calculated based on the ratio of impact by type of unit. See **Table IV-13**. The impact is 19.9 additional students should be added for grades K-12 broken down by the following:

- K-2 = addition of 4.9 students, or 1.6 students per grade
- 3-5 = addition of 4.6 students, or 1.5 students per grade
- 6-8 = addition of 4.1 students, or 1.4 students per grade
- 9-12 = addition of 6.5 students, or 1.6 students per grade

**These additional students were added to the 2022-23 “best fit” model +COVID Adjustment to create a new model called the 2022-23 “housing impact” model.**



| Table IV-13  |     |     |    |         |              |        |      |       |
|--|-----|-----|----|---------|--------------|--------|------|-------|
| Scenario 1 - Estimated Future Development                                  |     |     |    |         |              |        |      |       |
| Total Units  | 190 | 142 | 48 | Primary | Intermediate | Middle | High | Total |
| Single Family Homes - Average Expected                                     | 80  | 70  | 10 | 1.8     | 1.8          | 1.7    | 2.6  | 7.7   |
| Multi Family Housing: Exempt   | 13  | 0   | 13 | 0.8     | 0.8          | 0.6    | 1.1  | 3.3   |
| 2-bedroom unit impact ratio (students/unit)                                | 13  | 0   | 13 | 0.8     | 0.8          | 0.6    | 1.1  | 3.3   |
| 3-bedroom unit impact ratio (students/unit)                                | 0   | 0   | 0  | 0.0     | 0.0          | 0.0    | 0.0  | 0.0   |
| Multi Family Housing: GMO  | 97  | 72  | 25 | 2.3     | 2.0          | 1.8    | 2.9  | 9.0   |
| 2-bedroom unit impact ratio (students/unit)                                | 78  | 58  | 20 | 1.3     | 1.2          | 0.9    | 1.6  | 5.0   |
| 3-bedroom unit impact ratio (students/unit)                                | 19  | 14  | 5  | 1.0     | 0.8          | 1.0    | 1.2  | 4.0   |
| Total Impact:  |     |     |    | 4.9     | 4.6          | 4.1    | 6.5  | 19.9  |
| Impact of Estimated Future Growth - Added to the Housing Impact High Model |     |     |    |         |              |        |      |       |
| Per Grade  |     |     |    | 1.6     | 1.5          | 1.4    | 1.6  |       |

## **Potential Housing Scenario 2:**

Under this scenario all single-family home permits are pulled, and no exempt housing (or housing which would impact enrollment) is issued permits. Again, using these assumptions and knowing that the 2022-23 “best fit” model +COVID Adjustment already accounts for around 142 units, when looking at the high development of 241 units, only 99 units of the 241 units would have an additional impact on enrollment.

Since the assumption is more single-family home permits are pulled, 74 of the 99 remaining units would be single-family homes with the remaining being multi-family units. While this scenario is unlikely to occur based on the estimate of future development provided by the Planning Office, it should provide the school district with some guidance on what enrollment could potentially look like if development changes to higher single-family home development, or considering that 3-bedroom multi-family units now impact school enrollment at the same rate as single-family homes, this model could also serve as example of what could happen if multi-family development with a large number of 3-bedroom units.

**Scenario 2** includes the impact of 99 additional units, consisting of:

- 74 additional single-family homes
- 25 multi-family (2-bedroom unit assumption made)

Next, the impact of the 99 additional units can be calculated based on the ratio of impact by type of unit. **See Table IV-14.**

- K-2 = addition of 14.9 students, or 5.0 students per grade
- 3-5 = addition of 14.8 students, or 4.9 students per grade
- 6-8 = addition of 13.3 students, or 4.4 students per grade
- 9-12 = addition of 20.9 students, or 5.2 students per grade

These additional students were added to the 2022-23 “best fit” model +COVID Adjustment to create a new model called the 2022-23 “housing impact HIGH” model.

| Table IV-14  |     |     |    |         |              |        |      |       |
|--|-----|-----|----|---------|--------------|--------|------|-------|
| Scenario 2 - High Development (Maxed Single-Family)              |     |     |    |         |              |        |      |       |
| Total Units  | 241 | 142 | 99 | Primary | Intermediate | Middle | High | Total |
| Single-Family Homes - High                                       | 144 | 70  | 74 | 13.3    | 13.3         | 12.2   | 18.9 | 56.8  |
| Multi-Family Housing: All Projects Analyzed                      | 97  | 72  | 25 | 1.6     | 1.5          | 1.1    | 2.1  | 6.3   |
| 2-bedroom unit impact ratio (students/unit)                      | 78  | 53  | 25 | 1.6     | 1.5          | 1.1    | 2.1  | 6.3   |
| 3-bedroom unit impact ratio (students/unit)                      | 19  | 19  | 0  | 0.0     | 0.0          | 0.0    | 0.0  | 0.0   |
| Total Impact   |     |     |    | 14.9    | 14.8         | 13.3   | 20.9 | 63.0  |
| Impact of Higher Growth - Added to the Housing Impact High Model |     |     |    |         |              |        |      |       |
| Additional Enrollment Added Per Grade                            |     |     |    | 5.0     | 4.9          | 4.4    | 5.2  | 4.8   |

Additionally, since this scenario is above and beyond what has been happening most recently, the impact should be phased in over time and then reduced as the overall impact is brought forward through the trends in the projections. See Table IV-15 for the breakdown of how students were added to each grade, by grade group.

| Table IV-15 - Impact should be Phased in Over Time and Reduced as Impact will become Part of Trends 2022-23 "Housing Impact HIGH" Model |             |               |                    |              |             |              |
|---|-------------|---------------|--------------------|--------------|-------------|--------------|
| Percentage  | School Year | Primary (K-2) | Intermediate (3-5) | Middle (6-8) | High (9-12) | Total (K-12) |
| 40%   | 2023-23     | 2.0           | 2.0                | 1.8          | 2.1         | 1.9          |
| 60%   | 2024-25     | 3.0           | 3.0                | 2.7          | 3.1         | 2.9          |
| 80%   | 2025-26     | 4.0           | 3.9                | 3.6          | 4.2         | 3.9          |
| 100%  | 2026-27     | 5.0           | 4.9                | 4.4          | 5.2         | 4.8          |
| 100%  | 2027-28     | 5.0           | 4.9                | 4.4          | 5.2         | 4.8          |
| 100%  | 2028-29     | 5.0           | 4.9                | 4.4          | 5.2         | 4.8          |
| 80%   | 2029-30     | 4.0           | 3.9                | 3.6          | 4.2         | 3.9          |
| 60%   | 2030-31     | 3.0           | 3.0                | 2.7          | 3.1         | 2.9          |
| 40%   | 2031-32     | 2.0           | 2.0                | 1.8          | 2.1         | 1.9          |
| 20%   | 2032-33     | 1.0           | 1.0                | 0.9          | 1.0         | 1.0          |

## F. Impact of Potential Exempt Development

In the event there is a large scale exempted multi-family project, the impact can be assessed using the table below. Since there is no concrete project in the works, these additional students were not added to any of the projection models. However, if a project does come into play, the impact can be estimated based on the nature of the project and the ratios that most closely fit the project being proposed. **Table IV-16** uses an example of a 50-unit multi-family development to show potential outcomes depending on the development type.

| <b>Table IV-16</b>  |                            |                           |                     |                    |                   |
|---|----------------------------|---------------------------|---------------------|--------------------|-------------------|
| <b>Estimated Impact of Future Development - Scarborough</b> |                            |                           |                     |                    |                   |
| <b>Possible Scenarios</b>                                   | <b>Enrollment per Unit</b> |                           |                     |                    |                   |
|   | <b>Primary (K-2)</b>       | <b>Intermediate (3-5)</b> | <b>Middle (6-8)</b> | <b>High (9-12)</b> | <b>Total K-12</b> |
| <b>Scenario 1: All 8 Projects Analyzed</b>                  | 0.08                       | 0.08                      | 0.07                | 0.11               | <b>0.34</b>       |
| <b>Scenario 2: Projects with 1, 2, and 3-bedroom units</b>  | 0.10                       | 0.09                      | 0.08                | 0.13               | <b>0.40</b>       |
| <b>Scenario 3: Projects with 1 and 2-bedroom units</b>      | 0.03                       | 0.06                      | 0.02                | 0.05               | <b>0.16</b>       |
| <b>Impact from Scenario 1</b>                               |                            |                           |                     |                    |                   |
| <b>Total All Units (50 Units)</b>                           | 4.1                        | 4.0                       | 3.4                 | 5.4                | 16.8              |
| <b><i>Additional students per grade</i></b>                 | <i>1.4</i>                 | <i>1.3</i>                | <i>1.1</i>          | <i>1.3</i>         |                   |
| <b>Impact from Scenario 2</b>                               |                            |                           |                     |                    |                   |
| <b>Total All Units (50 Units)</b>                           | 4.9                        | 4.4                       | 4.2                 | 6.3                | 19.9              |
| <b><i>Additional students per grade</i></b>                 | <i>1.6</i>                 | <i>1.5</i>                | <i>1.4</i>          | <i>1.6</i>         |                   |
| <b>Impact from Scenario 3</b>                               |                            |                           |                     |                    |                   |
| <b>Total All Units (50 Units)</b>                           | 1.6                        | 2.8                       | 0.9                 | 2.5                | 7.8               |
| <b><i>Additional students per grade</i></b>                 | <i>0.5</i>                 | <i>0.9</i>                | <i>0.3</i>          | <i>0.6</i>         |                   |
| <b>Source:</b> Calculated by Wandell Consulting             |                            |                           |                     |                    |                   |

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## V. RESIDENT AND ATTENDING ENROLLMENT TRENDS

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The resident figures include all resident students attending Scarborough schools, and resident students attending school outside of the district except for 100% home schooled students and any students attending private schools. The projections are also provided in ranges of plus and minus 3% and 10% for grades K-8, and 3% and 5% for grades 9-12. *(See Tables V-1 through V-5 and Figures 1 through 5).*

### A. Resident and Attending Enrollment Trends and Projections for Grades K-2

#### **Historical Trends:**

Since 2012-13, resident attending enrollment in grades K-2 ranged between 617 and 628 students through 2014-15. Following 2014-15 enrollment declined to reach a low enrollment of 566 in 2017-18 before increasing to range between 606 and 649 students through 2022-23.

- *Enrollment of Scarborough students attending out of district schools ranged between 1 and 11 students through 2022-23.*
- *Enrollment of non-resident students attending district schools ranged between zero and 2 students through 2022-23.*

#### **2022-23 Best Fit Model:**

K-2 resident attending enrollment would remain similar to the current enrollment of 639 students to range between 629 and 644 students through 2025-26. Following 2025-26, enrollment is projected to increase, to reach 777 students by 2029-30, before declining to 735 students by 2032-33.

- *Another 7 to 9 Scarborough resident students in grades K-2 are projected to attend non-district schools each year through 2032-33.*
- *Approximately 1 or 2 nonresident students are projected to attend K-2 in Scarborough each year through 2032-33.*

#### **2022-23 Best Fit Model +COVID Adjustment:**

K-2 resident attending enrollment would remain similar to the current enrollment of 639 students, ranging between 634 and 656 students through 2025-26. Following 2025-26, enrollment is projected to increase, reaching 779 students by 2032-33.

#### **2022-23 Housing Impact Model:**

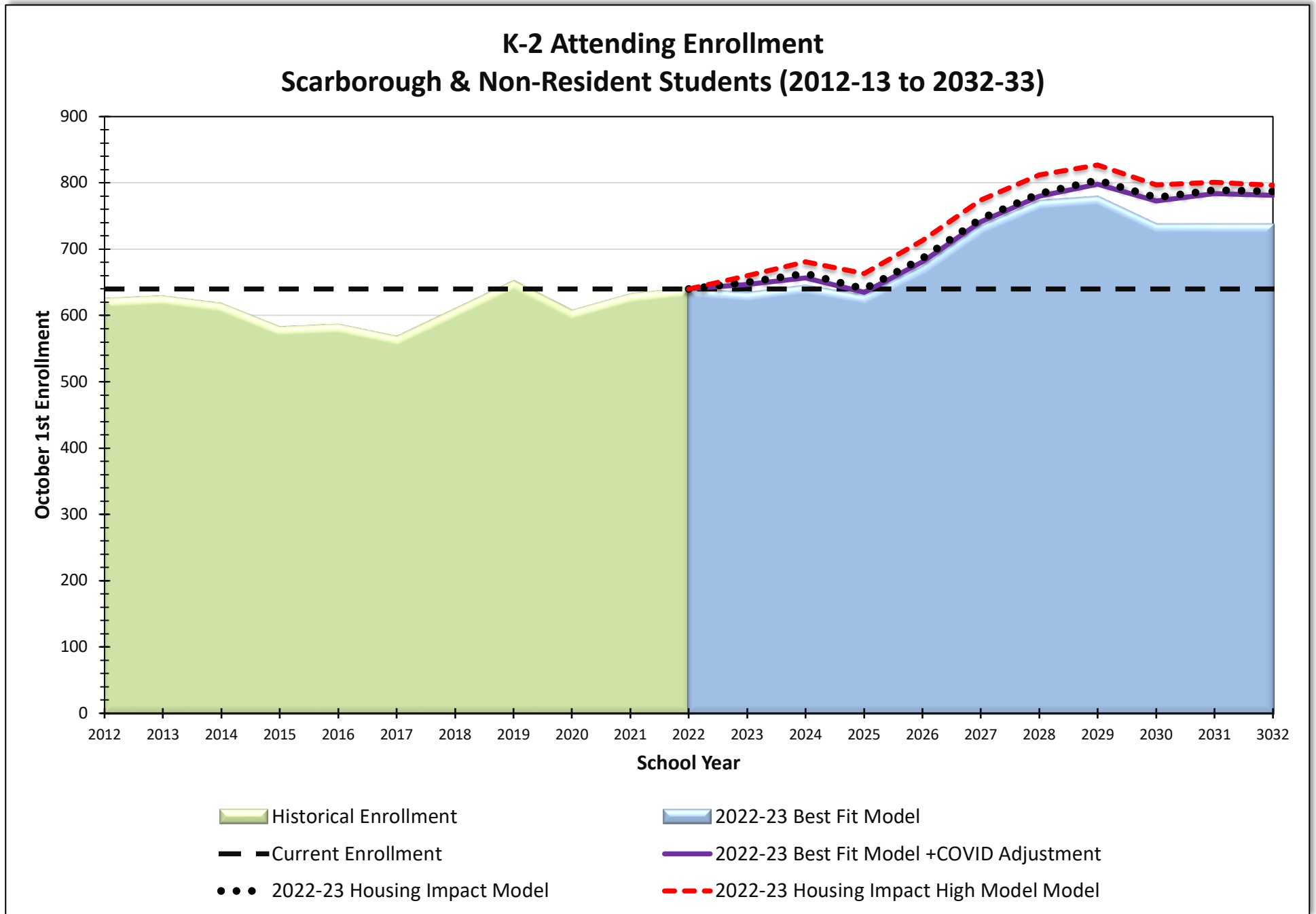
K-2 resident attending enrollment would remain similar to the current enrollment of 639 students to range between 639 and 662 students through 2025-26. Following 2025-26, enrollment is projected to increase, to reach 785 students by 2032-33.

**2022-23 Housing Impact HIGH Model:**

K-2 resident attending enrollment would increase from the current enrollment of 639 students to range between 659 and 680 students through 2025-26. Following 2025-26, enrollment is projected to increase, to reach 825 students by 2029-30, then should level off at 794 to 799 students by 2032-33.

| Table V-1   |  |                            |                |                     |
|---|--|----------------------------|----------------|---------------------|
| K-2 Enrollment by Model - Scarborough - Attending Resident Enrollment |  |                            |                |                     |
| School Year   | Resident Students Attending District Schools |                            |                |                     |
|   | Best Fit Model                               | Best Fit +COVID Adjustment | Housing Impact | Housing Impact HIGH |
| 2022-23*  | 639  |                            |                |                     |
| Projected   |  |                            |                |                     |
| 2023-24   | 633  | 646                        | 649            | 659                 |
|   |  |                            |                |                     |
| 2024-25   | 644  | 656                        | 662            | 680                 |
|   |  |                            |                |                     |
| 2025-26   | 629  | 634                        | 639            | 662                 |
|   |  |                            |                |                     |
| 2026-27   | 672  | 679                        | 684            | 711                 |
|   |  |                            |                |                     |
| 2027-28   | 733  | 739                        | 744            | 772                 |
|   |  |                            |                |                     |
| 2028-29   | 771  | 778                        | 782            | 810                 |
|   |  |                            |                |                     |
| 2029-30   | 777  | 796                        | 802            | 825                 |
|   |  |                            |                |                     |
| 2030-31   | 735  | 771                        | 776            | 795                 |
|   |  |                            |                |                     |
| 2031-32   | 735  | 782                        | 787            | 799                 |
|   |  |                            |                |                     |
| 2032-33   | 735  | 779                        | 785            | 794                 |
| Projected 10-Year Average<br>(2023-24 to 2032-33)                     | 706  | 726                        | 731            | 751                 |

Figure 5



## **B. Resident and Attending Enrollment Trends and Projections for Grades 3-5**

### **Historical Trends:**

Since 2012-13, resident attending enrollment in grades 3-5 declined from 742 students in 2013 to reach 639 students by 2015-16. Following 2015-16, enrollment increased slightly to range between 660 and 675 students through 2018-19 before declining to 611 students in 2020-21. Following 2020-21, enrollment increased to 675 students in 2022-23.

- *Enrollment of Scarborough students attending out of district schools ranged between 1 and 9 students through 2022-23.*
- *Enrollment of non-resident students attending district schools ranged between 0 and 3 students through 2022-23.*

### **2022-23 Best Fit Model:**

Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to range between 682 and 699 students through 2028-29. Following 2028-29, enrollment is expected to increase further, to reach 844 students by 2032-33.

- *Another 6 to 8 Scarborough resident students in grades 3-5 are projected to attend non-district schools each year through 2032-33.*
- *Approximately 1 or 2 nonresident students are projected to attend grades 3-5 in Scarborough each year through 2032-33.*

### **2022-23 Best Fit Model +COVID Adjustment:**

Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to range between 684 and 715 students through 2028-29. Following 2028-29, enrollment is expected to increase further, to reach 868 students by 2032-33.

### **2022-23 Housing Impact Model:**

Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to range between 688 and 760 students through 2029-30. Following 2029-30, enrollment is expected to increase further, to reach 888 students by 2032-33.

### **2022-23 Housing Impact HIGH Model:**

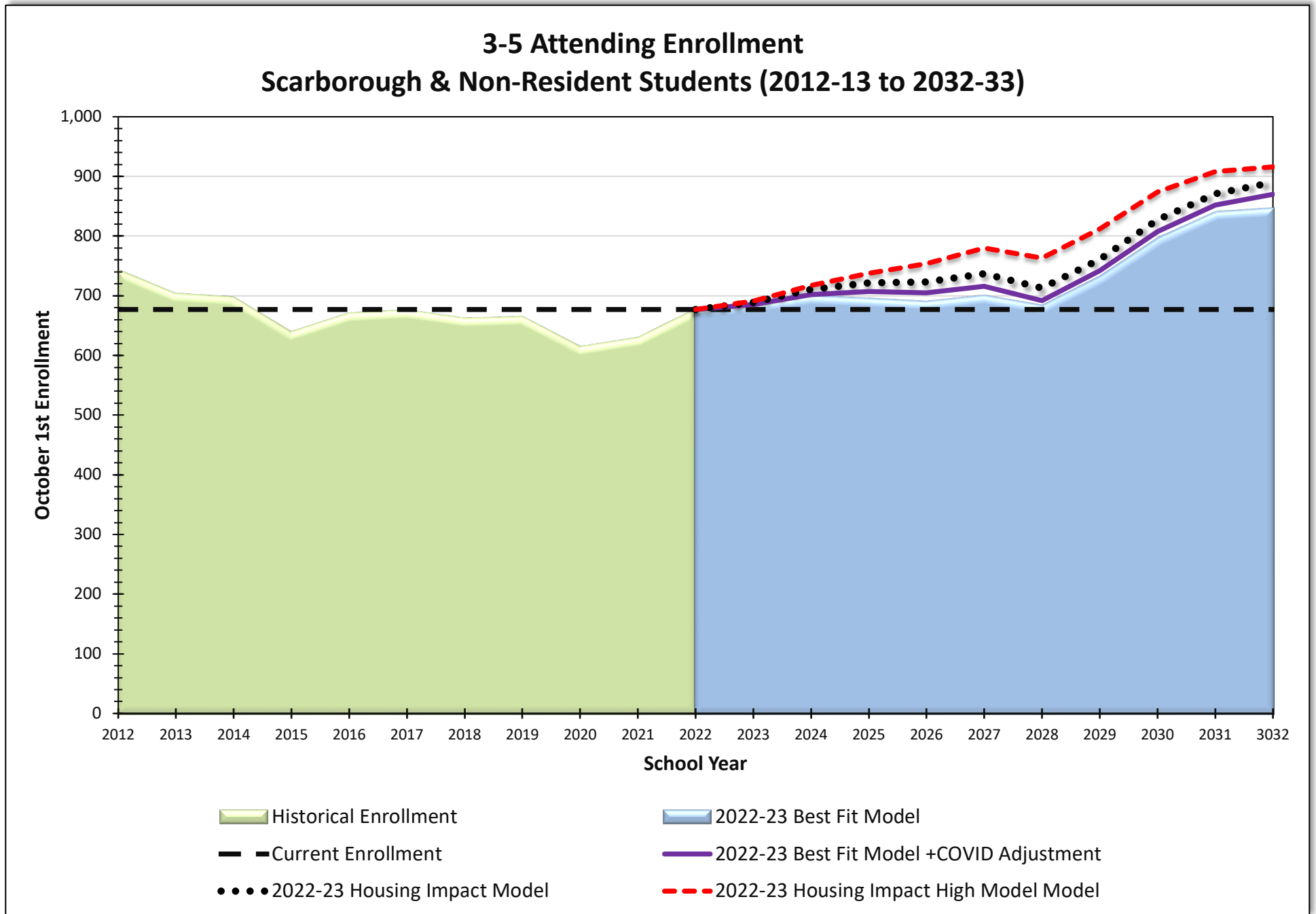
Grades 3-5 resident attending enrollment will increase from the current enrollment of 675 students to reach 914 students by 2032-33.



**Table V-2****3-5 Enrollment by Model - Scarborough - Attending Resident Enrollment**

| School Year                                       | Projection Model |                            |                |                     |
|---|------------------|----------------------------|----------------|---------------------|
|   | Best Fit Model   | Best Fit +COVID Adjustment | Housing Impact | Housing Impact HIGH |
| 2022-23*  | 675              |                            |                |                     |
| Projected   |                  |                            |                |                     |
| 2023-24   | 684              | 684                        | 688            | 690                 |
|   |                  |                            |                |                     |
| 2024-25   | 698              | 701                        | 710            | 716                 |
|   |                  |                            |                |                     |
| 2025-26   | 694              | 706                        | 721            | 737                 |
|   |                  |                            |                |                     |
| 2026-27   | 689              | 704                        | 722            | 753                 |
|   |                  |                            |                |                     |
| 2027-28   | 699              | 715                        | 736            | 779                 |
|   |                  |                            |                |                     |
| 2028-29   | 682              | 691                        | 712            | 762                 |
|   |                  |                            |                |                     |
| 2029-30   | 731              | 741                        | 760            | 811                 |
|   |                  |                            |                |                     |
| 2030-31   | 795              | 807                        | 826            | 873                 |
|   |                  |                            |                |                     |
| 2031-32   | 838              | 850                        | 869            | 906                 |
|   |                  |                            |                |                     |
| 2032-33   | 844              | 868                        | 888            | 914                 |
| Projected 10-Year Average<br>(2023-24 to 2032-33) | 735              | 747                        | 763            | 794                 |

Figure 6



## C. Resident and Attending Enrollment Trends and Projections for Grades 6-8

### **Historical Trends:**

Since 2012-13, resident attending enrollment in grades 6-8 declined from 805 students to 673 students in 2018-19. Following 2018-19 enrollment ranged between 694 and 709 students through 2021-22 before declining to 669 students by 2022-23.

- *Enrollment of Scarborough students attending out of district schools ranged between zero and 10 students through 2022-23.*
- *Enrollment of non-resident students attending district schools ranged between zero and 2 students through 2022-23.*

### **2022-23 Best Fit Model:**

Under the 2022-23 “best fit” model, 6-8 resident attending enrollment will fluctuate year-to-year, declining from the current enrollment of 669 students to range between 646 and 668 students through 2024-25 before increasing to range between 704 and 728 students through 2031-32. By 2032-33, enrollment expected to reach a projected high enrollment of 761 students as the larger class sizes seen in grades 3-5 enter the middle school, and a small 8<sup>th</sup> grade class moves on to the high school.

- *Another 9 to 11 Scarborough resident students in grades 6-8 are projected to attend non-district schools each year through 2032-33.*
- *Approximately 1 or 2 nonresident student is projected to attend grades 6-8 in Scarborough each year through 2032-33.*

### **2022-23 Best Fit Model +COVID Adjustment:**

Grades 6-8 resident attending enrollment will decline from the current enrollment of 669 students to range between 646 and 668 students through 2024-25 before increasing to reach a projected high enrollment of 772 students as the larger class sizes seen in grades 3-5 enter the middle school, and a small 8<sup>th</sup> grade class moves on to the high school.

### **2022-23 Housing Impact Model:**

Grades 6-8 resident attending enrollment will be similar to the current enrollment of 669 students to range between 651 and 676 students through 2024-25 before increasing to range between 717 and 778 students through 2031-32. By 2032-33, enrollment expected to reach a projected high enrollment of 805 students as the larger class sizes seen in grades 3-5 enter the middle school, and a small 8<sup>th</sup> grade class moves on to the high school.

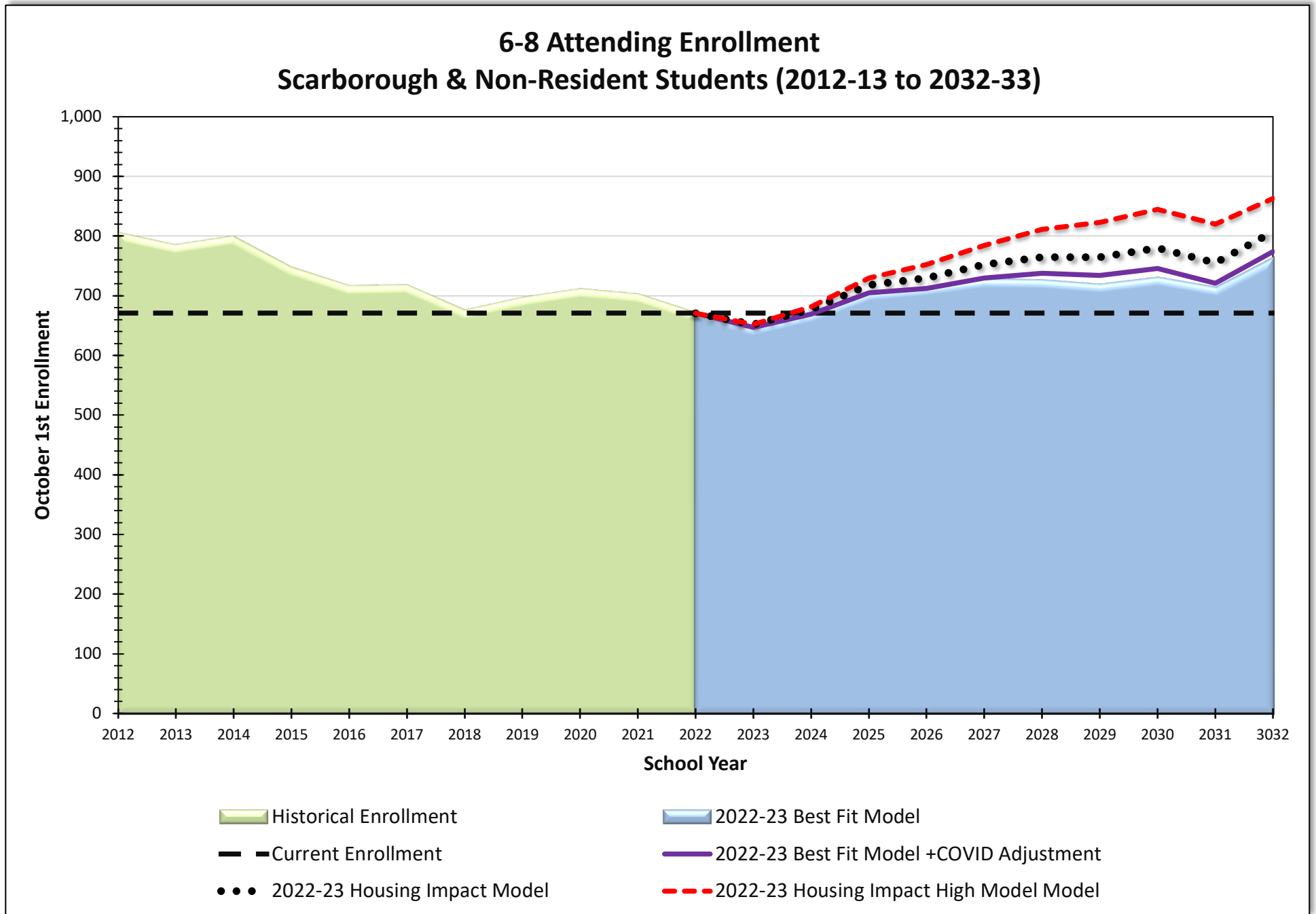
### **2022-23 Housing Impact HIGH Model:**

Grades 6-8 resident attending enrollment will be similar to the current enrollment of 669 students to range between 651 and 681 students through 2024-25 before increasing to reach 861 students by 2032-33.

**Table V-3****6-8 Enrollment by Model - Scarborough - Attending Resident Enrollment**

| School Year                                       | Projection Model |                            |                |                     |
|---|------------------|----------------------------|----------------|---------------------|
|   | Best Fit Model   | Best Fit +COVID Adjustment | Housing Impact | Housing Impact HIGH |
| 2022-23*  | 669              |                            |                |                     |
| Projected   |                  |                            |                |                     |
| 2023-24   | 646              | 646                        | 651            | 651                 |
|   |                  |                            |                |                     |
| 2024-25   | 668              | 668                        | 676            | 681                 |
|   |                  |                            |                |                     |
| 2025-26   | 704              | 704                        | 717            | 729                 |
|   |                  |                            |                |                     |
| 2026-27   | 713              | 711                        | 729            | 751                 |
|   |                  |                            |                |                     |
| 2027-28   | 726              | 729                        | 751            | 783                 |
|   |                  |                            |                |                     |
| 2028-29   | 724              | 737                        | 764            | 810                 |
|   |                  |                            |                |                     |
| 2029-30   | 717              | 733                        | 764            | 822                 |
|   |                  |                            |                |                     |
| 2030-31   | 728              | 744                        | 778            | 843                 |
|   |                  |                            |                |                     |
| 2031-32   | 712              | 720                        | 754            | 819                 |
|   |                  |                            |                |                     |
| 2032-33   | 761              | 772                        | 805            | 861                 |
| Projected 10-Year Average<br>(2023-24 to 2032-33) | 710              | 716                        | 739            | 775                 |

Figure 7



## **D. Resident and Attending Enrollment Trends and Projections for Grades 9-12**

### **Historical Trends:**

Since 2012-13, resident attending enrollment in grades 9-12 fluctuated year-to-year ranging between 975 from 1,053 students through 2019-20. Following 2019-20, enrollment declined to reach 908 students in 2022-23.

- *Enrollment of Scarborough students attending out of district schools ranged between 10 and 46 students through 2022-23.*
- *Enrollment of non-resident students attending district schools ranged between zero and 4 students through 2022-23.*

### **2022-23 Best Fit Model:**

Under the 2022-23 “best fit” model, 9-12 resident attending enrollment will fluctuate year-to-year, declining from the current enrollment of 908 students to reach 833 students by 2027-28, before starting to increase to reach 937 students in 2031-32 and 903 students in 2032-33.

- *Another 38 to 43 Scarborough resident students in grades 9-12 are projected to attend non-district schools each year through 2032-33.*
- *Approximately 2 nonresident students are projected to attend grades 9-12 in Scarborough each year through 2032-33.*

### **2022-23 Best Fit Model +COVID Adjustment:**

Grades 9-12 resident attending enrollment will fluctuate year-to-year, declining from the current enrollment of 908 students to 870 students by 2027-28, before starting to increase to reach 989 students in 2031-32 and 958 students by 2032-33.

### **2022-23 Housing Impact Model:**

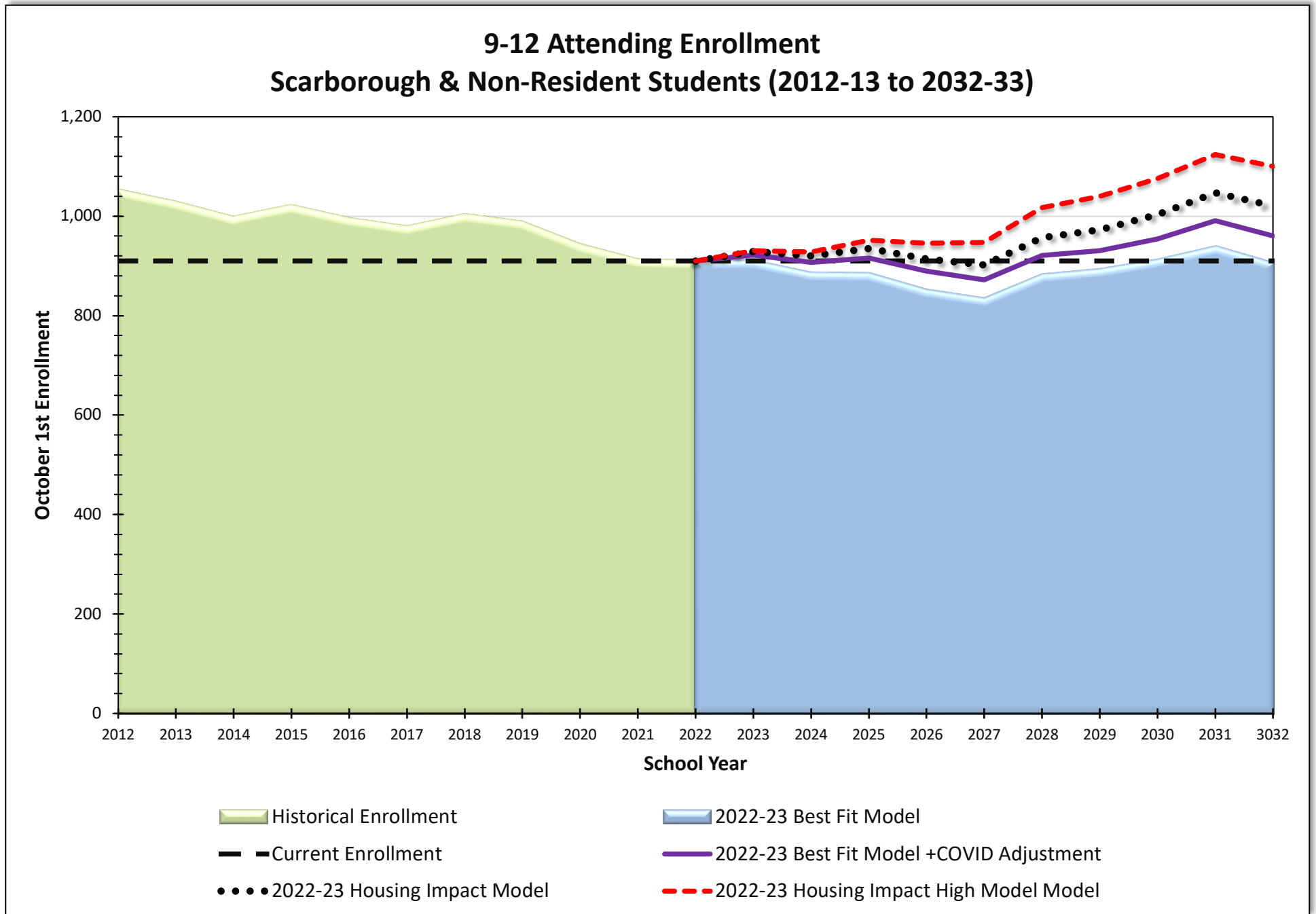
Grades 9-12 resident attending enrollment increase from the current enrollment of 909 students to range between 912 and 933 students through 2026-27. In 2027-28 enrollment will decline to 900 students before increasing again to reach 1,045 students in 2031-32 and 1,019 students in 2032-33.

### **2022-23 Housing Impact HIGH Model:**

Grades 9-12 resident attending enrollment will fluctuate year-to-year, increasing from the current enrollment of 908 students to range between 926 and 950 students through 2027-28. Following 2027-28, enrollment will increase further to range between 1,015 and 1,122 students through 2032-33.

| Table V-4  |                  |                            |                |                     |
|--|------------------|----------------------------|----------------|---------------------|
| 9-12 Enrollment by Model - Scarborough - Attending Resident Enrollment |                  |                            |                |                     |
| School Year  | Projection Model |                            |                |                     |
|  | Best Fit Model   | Best Fit +COVID Adjustment | Housing Impact | Housing Impact HIGH |
| 2022-23*   | 908              |                            |                |                     |
| Projected  |                  |                            |                |                     |
| 2023-24  | 909              | 920                        | 927            | 929                 |
|  |                  |                            |                |                     |
| 2024-25  | 884              | 905                        | 918            | 926                 |
|  |                  |                            |                |                     |
| 2025-26  | 883              | 914                        | 933            | 950                 |
|  |                  |                            |                |                     |
| 2026-27  | 850              | 888                        | 912            | 944                 |
|  |                  |                            |                |                     |
| 2027-28  | 833              | 870                        | 900            | 945                 |
|  |                  |                            |                |                     |
| 2028-29  | 881              | 919                        | 955            | 1,015               |
|  |                  |                            |                |                     |
| 2029-30  | 891              | 929                        | 971            | 1,038               |
|  |                  |                            |                |                     |
| 2030-31  | 910              | 952                        | 1,001          | 1,074               |
|  |                  |                            |                |                     |
| 2031-32  | 937              | 989                        | 1,045          | 1,122               |
|  |                  |                            |                |                     |
| 2032-33  | 903              | 958                        | 1,019          | 1,098               |
| Projected 10-Year Average<br>(2023-24 to 2032-33)                      | 888              | 924                        | 958            | 1,004               |

Figure 8

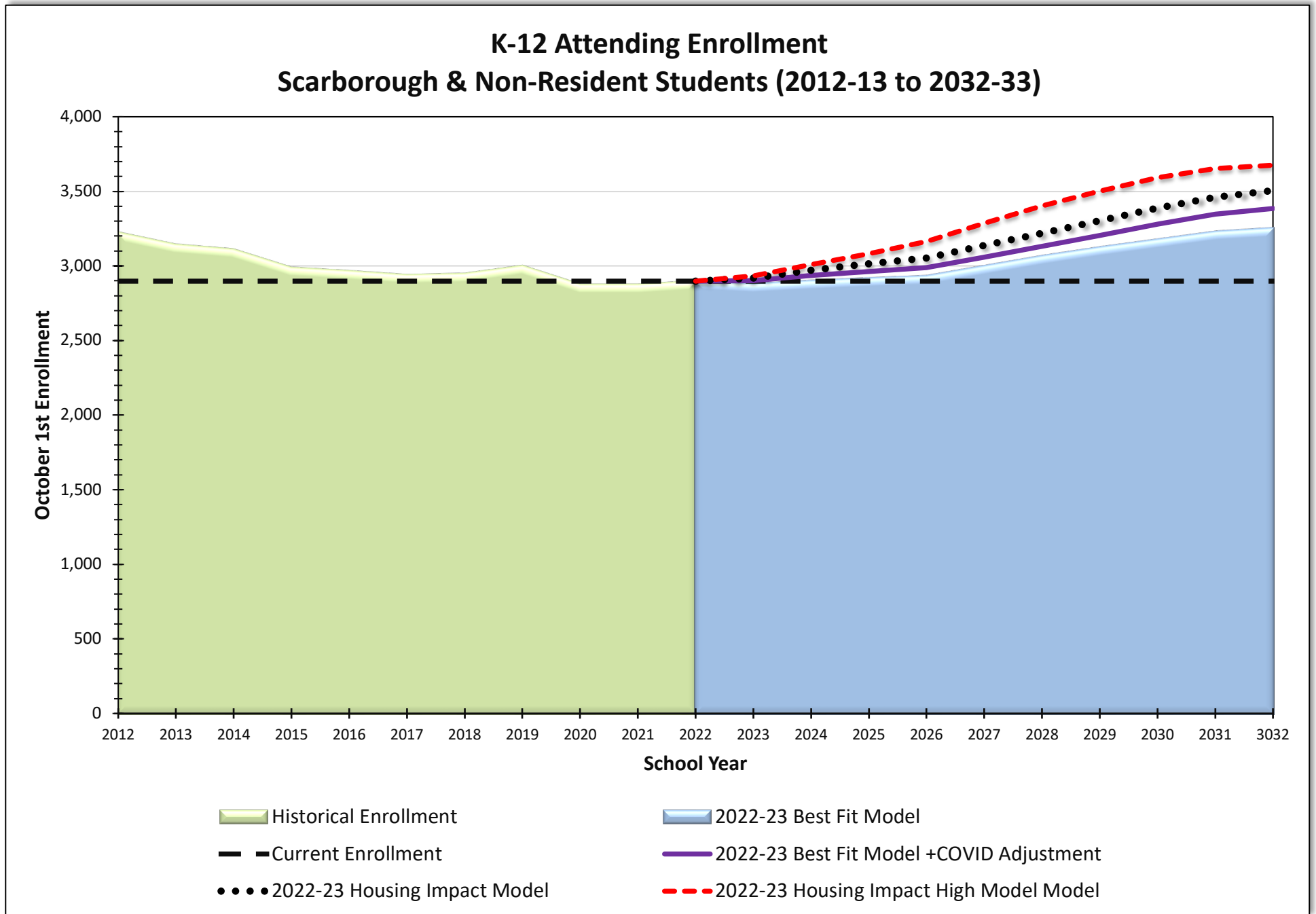




**Table V-5****K-12 Enrollment by Model - Scarborough - Attending Resident Enrollment**

| School Year                                       | Projection Model |                            |                |                     |
|---|------------------|----------------------------|----------------|---------------------|
|   | Best Fit Model   | Best Fit +COVID Adjustment | Housing Impact | Housing Impact HIGH |
| 2022-23*  | 2,891            |                            |                |                     |
| Projected   |                  |                            |                |                     |
| 2023-24   | 2,872            | 2,896                      | 2,915          | 2,929               |
|   |                  |                            |                |                     |
| 2024-25   | 2,894            | 2,930                      | 2,966          | 3,003               |
|   |                  |                            |                |                     |
| 2025-26   | 2,910            | 2,958                      | 3,010          | 3,078               |
|   |                  |                            |                |                     |
| 2026-27   | 2,924            | 2,982                      | 3,047          | 3,159               |
|   |                  |                            |                |                     |
| 2027-28   | 2,991            | 3,053                      | 3,131          | 3,279               |
|   |                  |                            |                |                     |
| 2028-29   | 3,058            | 3,125                      | 3,213          | 3,397               |
|   |                  |                            |                |                     |
| 2029-30   | 3,116            | 3,199                      | 3,297          | 3,496               |
|   |                  |                            |                |                     |
| 2030-31   | 3,168            | 3,274                      | 3,381          | 3,585               |
|   |                  |                            |                |                     |
| 2031-32   | 3,222            | 3,341                      | 3,455          | 3,646               |
|   |                  |                            |                |                     |
| 2032-33   | 3,243            | 3,377                      | 3,497          | 3,667               |
| Projected 10-Year Average<br>(2023-24 to 2032-33) | 3,040            | 3,114                      | 3,191          | 3,324               |

Figure 9



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## VI. SUMMARY OF ENROLLMENT PROJECTIONS FOR SCHOOL PLANNING PURPOSES

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Outside forces such as changes in the economy, housing prices and/or new housing starts, Civilian Labor Force changes, or unexpected national, state or local events can have an impact on enrollment trends which could in turn alter the outlook of enrollment in Scarborough. Future enrollment should routinely be monitored for potential changes in trends, specifically looking to see if future enrollment deviates significantly from what is projected. In addition, the district should continue to routinely monitor births to residents especially since there has been a recent increase in resident births. Other trends such as preschool migration, grade-to-grade migration trends, and local housing development trends should also be closely watch for any notable changes.

Since new housing unit development has picked up in Scarborough, and some change may be coming for the Growth Management Ordinance the district should keep an eye on future growth for change in grade-to-grade migration trends. To account for the potential changes in trends from large-scale developments, it would be prudent for the district to look at the “best fit” +COVID impact and the “housing impact” enrollment projections using the higher ranges or +3% and +10% as a guide for facilities planning.

To provide reasonable cushions for use in planning school facilities, the enrollment projections by grade group and presented the projections within ranges of plus and minus 10% for the K-8 grade groups, and plus and minus 5% for grades 9-12. In addition, more conservative ranges of 3% across all grade levels are supplied. These ranges should provide the school district with some idea of what future enrollment would look like under different scenarios. The report **Appendix** contains grade by grade historical and projected enrollment.

# **APPENDIX A**

## **GRADE BY GRADE HISTORICAL & PROJECTED ENROLLMENT**

# Appendix Table 1

## Entering Class to Births Ratio Worksheet - Scarborough Resident Students Attending - 2022-23 Best Fit Model

| Oct 15-Oct 14 Births                           | Number Births | KG Year  | KG Class Size | 1st Grade Year     | 1st Class Size | Ratio 1st/Birth  | Ratio 1st/K  | Proj. 1st Grade | Net Preschool Migration |
|--|---------------|--|---------------|--------------------|----------------|------------------|--------------|-----------------|-------------------------|
| 2006-07  | 135           | 10/12  | 202           | 10/13              | 199            | 1.474            | 0.985        |                 | 64                      |
| 2007-08  | 142           | 10/13  | 204           | 10/14              | 212            | 1.493            | 1.039        |                 | 70                      |
| 2008-09  | 138           | 10/14  | 207           | 10/15              | 209            | 1.514            | 1.010        |                 | 71                      |
| 2009-10  | 129           | 10/15  | 156           | 10/16              | 173            | 1.341            | 1.109        |                 | 44                      |
| 2010-11  | 135           | 10/16  | 193           | 10/17              | 199            | 1.474            | 1.031        |                 | 64                      |
| 2011-12  | 129           | 10/17  | 186           | 10/18              | 187            | 1.450            | 1.005        |                 | 58                      |
| 2012-13  | 150           | 10/18  | 209           | 10/19              | 223            | 1.487            | 1.067        |                 | 73                      |
| 2013-14  | 167           | 10/19  | 238           | 10/20              | 221            | 1.323            | 0.929        |                 | 54                      |
| 2014-15  | 158           | 10/20  | 179           | 10/21              | 195            | 1.234            | 1.089        |                 | 37                      |
| 2015-16  | 157           | 10/21  | 199           | 10/22              | 213            | 1.357            | 1.070        |                 | 56                      |
| 2016-17  | 138           | 10/22  | 218           | 10/23              |                | 1.626            | 1.029        | 224             | 86                      |
| 2017-18  | 142           | 10/23  |               | 10/24              |                | 1.381            |              | 196             | 54                      |
| 2018-19  | 162           | 10/24  |               | 10/25              |                | 1.381            |              | 224             | 62                      |
| 2019-20  | 151           | 10/25  |               | 10/26              |                | 1.381            |              | 209             | 58                      |
| 2020-21  | 174           | 10/26  |               | 10/27              |                | 1.381            |              | 240             | 66                      |
| 2021-22*                                       | 207           | 10/27  |               | 10/28              |                | 1.381            |              | 286             | 79                      |
| 2022-23 est                                    | 177           | 10/28  |               | 10/29              |                | 1.381            |              | 245             | 68                      |
| 2023-24 est                                    | 177           | 10/29  |               | 10/30              |                | 1.381            |              | 245             | 68                      |
| 2024-25 est                                    | 177           | 10/30  |               | 10/31              |                | 1.381            |              | 245             | 68                      |
| 2025-26 est                                    | 177           | 10/31  |               | 10/32              |                | 1.381            |              | 245             | 68                      |
| 10yr Total (07-16)                             | 1,440         | 10yr Total (12-21)                                   | 1,973         | 10yr Total (13-22) | 2,031          | 1.410            | 1.029        | Last 10yr       | 59.1                    |
| 10yr Avg (07-16)                               | 144           | 10yr Avg (12-21)                                     | 197           | 10yr Avg (13-22)   | 203            | 1.415            | 1.029        | Last 5yr        | 55.6                    |
| 5yr Avg (18-22)                                | 167           |  |               |                    |                |                  |              | Last 3yr        | 49.0                    |
| 5yr Max (18-22)                                | 207           |  |               |                    |                |                  |              | Proj.           | 67.5                    |
| 5yr Min (18-22)                                | 142           |  |               |                    |                |                  |              |                 |                         |
| 3yr Avg (20-22)                                | 177           |  |               |                    |                |                  |              |                 |                         |
| 2yr Avg (21-22)                                | 191           |  |               |                    |                |                  |              |                 |                         |
| First Grade to Births Correlation Coefficients |               | First Grade to Kindergarten Correlation Coefficients |               |                    |                |                  |              |                 |                         |
| 10 YEAR  | 0.676         | 10 YEAR  | 0.885         |                    |                |                  |              |                 |                         |
| 9 YEAR   | 0.677         | 9 YEAR   | 0.898         |                    |                |                  |              |                 |                         |
| 8 YEAR   | 0.708         | 8 YEAR   | 0.898         |                    |                |                  |              |                 |                         |
| 7 YEAR   | 0.764         | 7 YEAR   | 0.896         |                    |                |                  |              |                 |                         |
| 6 YEAR   | 0.668         | 6 YEAR   | 0.811         |                    |                |                  |              |                 |                         |
| 5 YEAR   | 0.648         | 5 YEAR   | 0.804         |                    |                |                  |              |                 |                         |
| 4 YEAR   | -0.030        | 4 YEAR   | 0.821         |                    |                |                  |              |                 |                         |
| 3 YEAR   | 0.673         | 3 YEAR   | 0.920         |                    |                |                  |              |                 |                         |
|  |               |  |               | <b>Ratios</b>      |                | <b>1st/Birth</b> | <b>1st/K</b> |                 |                         |
|  |               |  |               | Avg last 10        |                | 1.415            | 1.033        |                 |                         |
|  |               |  |               | Avg last 9         |                | 1.408            | 1.039        |                 |                         |
|  |               |  |               | Avg last 8         |                | 1.398            | 1.039        |                 |                         |
|  |               |  |               | Avg last 7         |                | 1.381            | 1.043        |                 |                         |
|  |               |  |               | Avg last 6         |                | 1.388            | 1.032        |                 |                         |
|  |               |  |               | Avg last 5         |                | 1.370            | 1.032        |                 |                         |
|  |               |  |               | Avg last 4         |                | 1.350            | 1.039        |                 |                         |
|  |               |  |               | Avg last 3         |                | 1.305            | 1.029        |                 |                         |
|  |               |  |               | 10yr Weighted      |                | 1.384            | 1.038        |                 |                         |
|  |               |  |               | 5yr Weighted       |                | 1.341            | 1.042        |                 |                         |
|  |               |  |               | 3yr Weighted       |                | 1.310            | 1.053        |                 |                         |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year average of births (2019-20 to 2021-22) \*2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year ratio of first grade to Kindergarten.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Table II-1 - Relationship of Entering First Grade Class Size to Resident Births**  
**Scarborough - Resident Attending Enrollment**

| Birth Year<br>(Oct. 15 - Oct. 14)          | Resident<br>Births | First Grade Year                           | Best Fit Model |           |       | # of Resident<br>Births | Model |           |       | Housing Impact Model |           |       | Housing Impact High Model |           |       |  |
|--|--------------------|--|----------------|-----------|-------|-------------------------|-------|-----------|-------|----------------------|-----------|-------|---------------------------|-----------|-------|--|
|  |                    |  | Count          | 1st/Birth | +/- % |                         | Count | 1st/Birth | +/- % | Count                | 1st/Birth | +/- % | Count                     | 1st/Birth | +/- % |  |
| 2006-07                                    | 135                | 2013-14                                    | 199            | 1.474     | 47.4% | 135                     |       |           |       |                      |           |       |                           |           |       |  |
| 2007-08                                    | 142                | 2014-15                                    | 212            | 1.493     | 49.3% | 142                     |       |           |       |                      |           |       |                           |           |       |  |
| 2008-09                                    | 138                | 2015-16                                    | 209            | 1.514     | 51.4% | 138                     |       |           |       |                      |           |       |                           |           |       |  |
| 2009-10                                    | 129                | 2016-17                                    | 173            | 1.341     | 34.1% | 129                     |       |           |       |                      |           |       |                           |           |       |  |
| 2010-11                                    | 135                | 2017-18                                    | 199            | 1.474     | 47.4% | 135                     |       |           |       |                      |           |       |                           |           |       |  |
| 2011-12                                    | 129                | 2018-19                                    | 187            | 1.450     | 45.0% | 129                     |       |           |       |                      |           |       |                           |           |       |  |
| 2012-13                                    | 150                | 2019-20                                    | 223            | 1.487     | 48.7% | 150                     |       |           |       |                      |           |       |                           |           |       |  |
| 2013-14                                    | 167                | 2020-21                                    | 221            | 1.323     | 32.3% | 167                     |       |           |       |                      |           |       |                           |           |       |  |
| 2014-15                                    | 158                | 2021-22                                    | 195            | 1.234     | 23.4% | 158                     |       |           |       |                      |           |       |                           |           |       |  |
| 2015-16                                    | 157                | 2022-23*                                   | 213            | 1.357     | 35.7% | 157                     |       |           |       |                      |           |       |                           |           |       |  |
| 2016-17                                    | 138                | 2023-24                                    | 224            | 1.623     | 62.3% | 138                     | 230   | 1.667     | 66.7% | 231                  | 1.674     | 67.4% | 235                       | 1.703     | 70.3% |  |
| 2017-18                                    | 142                | 2024-25                                    | 196            | 1.380     | 38.0% | 142                     | 196   | 1.380     | 38.0% | 198                  | 1.394     | 39.4% | 203                       | 1.430     | 43.0% |  |
| 2018-19                                    | 162                | 2025-26                                    | 224            | 1.383     | 38.3% | 162                     | 224   | 1.383     | 38.3% | 225                  | 1.389     | 38.9% | 231                       | 1.426     | 42.6% |  |
| 2019-20                                    | 151                | 2026-27                                    | 209            | 1.384     | 38.4% | 151                     | 209   | 1.384     | 38.4% | 210                  | 1.391     | 39.1% | 217                       | 1.437     | 43.7% |  |
| 2020-21                                    | 174                | 2027-28                                    | 240            | 1.379     | 37.9% | 174                     | 240   | 1.379     | 37.9% | 242                  | 1.391     | 39.1% | 249                       | 1.431     | 43.1% |  |
| 2021-22*                                   | 207                | 2028-29                                    | 286            | 1.382     | 38.2% | 207                     | 286   | 1.382     | 38.2% | 287                  | 1.386     | 38.6% | 295                       | 1.425     | 42.5% |  |
| 2022-23 est                                | 177                | 2029-30                                    | 245            | 1.382     | 38.2% | 177                     | 245   | 1.382     | 38.2% | 247                  | 1.393     | 39.3% | 253                       | 1.427     | 42.7% |  |
| 2023-24 est                                | 177                | 2030-31                                    | 245            | 1.382     | 38.2% | 186                     | 257   | 1.449     | 44.9% | 259                  | 1.392     | 39.2% | 264                       | 1.419     | 41.9% |  |
| 2024-25 est                                | 177                | 2031-32                                    | 245            | 1.382     | 38.2% | 190                     | 263   | 1.483     | 48.3% | 264                  | 1.388     | 38.8% | 268                       | 1.409     | 40.9% |  |
| 2025-26 est                                | 177                | 2032-33                                    | 245            | 1.382     | 38.2% | 185                     | 255   | 1.438     | 43.8% | 256                  | 1.387     | 38.7% | 259                       | 1.404     | 40.4% |  |
| 10-Yr Avg. (2006-07 to 2015-16)            | 144                | 10-Yr Avg. (2013-14 to 2022-23)            | 203            | 1.415     | 41.5% |                         |       |           |       |                      |           |       |                           |           |       |  |
| 5-Yr Avg. (2006-07 to 2010-11)             | 136                | First 5-Yr Avg. (2013-14 to 2017-18)       | 198            | 1.459     | 45.9% |                         |       |           |       |                      |           |       |                           |           |       |  |
| 5-Yr Avg. Births (2011-12 to 2015-16)      | 152                | Most Recent 5-Yr Avg. (2018-19 to 2022-23) | 208            | 1.370     | 37.0% |                         |       |           |       |                      |           |       |                           |           |       |  |
| 3-Yr Avg. (2013-14 to 2015-16)             | 161                | Most Recent 3-Yr Avg. (2020-21 to 2022-23) | 210            | 1.305     | 30.5% |                         |       |           |       |                      |           |       |                           |           |       |  |
| Most Recent 5-Yr Avg. (2017-18 to 2021-22) | 167                | Projected 10-Yr Avg. (2023-24 to 2032-33)  | 236            | 1.406     | 40.6% |                         | 241   | 1.433     | 43.3% | 242                  | 1.419     | 41.9% | 247                       | 1.451     | 45.1% |  |
| Most Recent 3-Yr Avg. (2019-20 to 2021-22) | 177                |  |                |           |       |                         |       |           |       |                      |           |       |                           |           |       |  |

**Births:** Maine Center for Disease Control and Prevention, Data, Research and Vital Statistics. 2022 births are preliminary and provisional; \*Future births for the "best fit" model were based on the 3-year average of births between 2019-20 and 2021-22. All other models births were based on the on 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... **Note:** Enrollment includes resident students attending district schools. First to birth ratios shown here are based on the rounded first grade projection from the Entering Class to Births Ratio Worksheet. **Source:** 2013-2022 enrollment data from the district. All else calculated by Wandell Consulting.

| <b>Appendix Table 2</b><br><b>Enrollment Trends &amp; Projections - Scarborough Attending Resident and Non-Resident Enrollment - 2022-23 Best Fit Model</b> |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----------|-----------|-----------|-----------|------------|------------|
| School Year   | K   | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
| <b>Historical</b>   |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2012-13   | 202 | 206 | 216 | 241 | 240 | 261 | 286 | 243 | 276 | 253 | 242  | 278  | 280  | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      |
| 2013-14   | 204 | 199 | 225 | 211 | 252 | 240 | 267 | 282 | 234 | 255 | 249  | 241  | 283  | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      |
| 2014-15   | 207 | 212 | 198 | 223 | 223 | 250 | 247 | 263 | 289 | 226 | 258  | 260  | 254  | 617       | 696       | 799       | 2,112     | 998        | 3,110      |
| 2015-16   | 156 | 209 | 216 | 199 | 222 | 218 | 240 | 244 | 262 | 263 | 228  | 259  | 271  | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      |
| 2016-17   | 193 | 173 | 219 | 238 | 206 | 226 | 224 | 247 | 244 | 249 | 261  | 227  | 257  | 585       | 670       | 715       | 1,970     | 994        | 2,964      |
| 2017-18   | 186 | 199 | 181 | 231 | 238 | 206 | 228 | 238 | 251 | 230 | 250  | 257  | 238  | 566       | 675       | 717       | 1,958     | 975        | 2,933      |
| 2018-19   | 209 | 187 | 212 | 188 | 237 | 235 | 209 | 228 | 236 | 247 | 238  | 250  | 266  | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      |
| 2019-20   | 238 | 223 | 188 | 218 | 203 | 242 | 252 | 213 | 229 | 237 | 251  | 243  | 256  | 649       | 663       | 694       | 2,006     | 987        | 2,993      |
| 2020-21   | 179 | 221 | 206 | 195 | 207 | 209 | 245 | 253 | 211 | 214 | 228  | 253  | 246  | 606       | 611       | 709       | 1,926     | 941        | 2,867      |
| 2021-22   | 199 | 195 | 235 | 204 | 210 | 213 | 210 | 246 | 245 | 207 | 222  | 227  | 254  | 629       | 627       | 701       | 1,957     | 910        | 2,867      |
| 2022-23   | 218 | 213 | 208 | 239 | 218 | 218 | 222 | 207 | 240 | 240 | 211  | 222  | 235  | 639       | 675       | 669       | 1,983     | 908        | 2,891      |
| <b>Projected</b>  |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2023-24   | 190 | 224 | 219 | 213 | 247 | 224 | 222 | 222 | 202 | 230 | 242  | 211  | 226  | 633       | 684       | 646       | 1,963     | 909        | 2,872      |
| 2024-25   | 217 | 196 | 231 | 224 | 220 | 254 | 229 | 222 | 217 | 194 | 232  | 243  | 215  | 644       | 698       | 668       | 2,010     | 884        | 2,894      |
| 2025-26   | 203 | 224 | 202 | 236 | 232 | 226 | 259 | 228 | 217 | 208 | 196  | 232  | 247  | 629       | 694       | 704       | 2,027     | 883        | 2,910      |
| 2026-27   | 233 | 209 | 230 | 206 | 244 | 239 | 231 | 259 | 223 | 208 | 210  | 196  | 236  | 672       | 689       | 713       | 2,074     | 850        | 2,924      |
| 2027-28   | 278 | 240 | 215 | 235 | 213 | 251 | 243 | 230 | 253 | 214 | 210  | 210  | 199  | 733       | 699       | 726       | 2,158     | 833        | 2,991      |
| 2028-29   | 238 | 286 | 247 | 219 | 243 | 220 | 256 | 243 | 225 | 242 | 216  | 210  | 213  | 771       | 682       | 724       | 2,177     | 881        | 3,058      |
| 2029-30   | 238 | 245 | 294 | 253 | 227 | 251 | 224 | 256 | 237 | 216 | 245  | 216  | 214  | 777       | 731       | 717       | 2,225     | 891        | 3,116      |
| 2030-31   | 238 | 245 | 252 | 301 | 261 | 233 | 255 | 223 | 250 | 227 | 218  | 245  | 220  | 735       | 795       | 728       | 2,258     | 910        | 3,168      |
| 2031-32   | 238 | 245 | 252 | 258 | 311 | 269 | 238 | 255 | 219 | 240 | 230  | 218  | 249  | 735       | 838       | 712       | 2,285     | 937        | 3,222      |
| 2032-33   | 238 | 245 | 252 | 258 | 266 | 320 | 274 | 238 | 249 | 209 | 242  | 230  | 222  | 735       | 844       | 761       | 2,340     | 903        | 3,243      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

### Appendix Table 2 - Alternative Grade Group

#### Enrollment Trends & Projections - Scarborough Attending Resident and Non-Resident Enrollment - 2022-23 Best Fit Model

| School Year | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-3 | Total 4-6 | Total 7-8 | Total K-8 | Total 9-12 | Total K-12 |
|-------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------|------------|
| Historical  |           |           |           |           |            |            |           |           |           |           |            |            |
| 2012-13     | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      | 865       | 787       | 519       | 2,171     | 1,053      | 3,224      |
| 2013-14     | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      | 839       | 759       | 516       | 2,114     | 1,028      | 3,142      |
| 2014-15     | 617       | 696       | 799       | 2,112     | 998        | 3,110      | 840       | 720       | 552       | 2,112     | 998        | 3,110      |
| 2015-16     | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      | 780       | 680       | 506       | 1,966     | 1,021      | 2,987      |
| 2016-17     | 585       | 670       | 715       | 1,970     | 994        | 2,964      | 823       | 656       | 491       | 1,970     | 994        | 2,964      |
| 2017-18     | 566       | 675       | 717       | 1,958     | 975        | 2,933      | 797       | 672       | 489       | 1,958     | 975        | 2,933      |
| 2018-19     | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      | 796       | 681       | 464       | 1,941     | 1,001      | 2,942      |
| 2019-20     | 649       | 663       | 694       | 2,006     | 987        | 2,993      | 867       | 697       | 442       | 2,006     | 987        | 2,993      |
| 2020-21     | 606       | 611       | 709       | 1,926     | 941        | 2,867      | 801       | 661       | 464       | 1,926     | 941        | 2,867      |
| 2021-22     | 629       | 627       | 701       | 1,957     | 910        | 2,867      | 833       | 633       | 491       | 1,957     | 910        | 2,867      |
| 2022-23     | 639       | 675       | 669       | 1,983     | 908        | 2,891      | 878       | 658       | 447       | 1,983     | 908        | 2,891      |
| Projected   |           |           |           |           |            |            |           |           |           |           |            |            |
| 2023-24     | 633       | 684       | 646       | 1,963     | 909        | 2,872      | 846       | 693       | 424       | 1,963     | 909        | 2,872      |
| 2024-25     | 644       | 698       | 668       | 2,010     | 884        | 2,894      | 868       | 703       | 439       | 2,010     | 884        | 2,894      |
| 2025-26     | 629       | 694       | 704       | 2,027     | 883        | 2,910      | 865       | 717       | 445       | 2,027     | 883        | 2,910      |
| 2026-27     | 672       | 689       | 713       | 2,074     | 850        | 2,924      | 878       | 714       | 482       | 2,074     | 850        | 2,924      |
| 2027-28     | 733       | 699       | 726       | 2,158     | 833        | 2,991      | 968       | 707       | 483       | 2,158     | 833        | 2,991      |
| 2028-29     | 771       | 682       | 724       | 2,177     | 881        | 3,058      | 990       | 719       | 468       | 2,177     | 881        | 3,058      |
| 2029-30     | 777       | 731       | 717       | 2,225     | 891        | 3,116      | 1,030     | 702       | 493       | 2,225     | 891        | 3,116      |
| 2030-31     | 735       | 795       | 728       | 2,258     | 910        | 3,168      | 1,036     | 749       | 473       | 2,258     | 910        | 3,168      |
| 2031-32     | 735       | 838       | 712       | 2,285     | 937        | 3,222      | 993       | 818       | 474       | 2,285     | 937        | 3,222      |
| 2032-33     | 735       | 844       | 761       | 2,340     | 903        | 3,243      | 993       | 860       | 487       | 2,340     | 903        | 3,243      |



Table III-1

## Scarborough Attending Enrollment - Average Grade-to-Grade Survival Ratios - 2022-23 Best Fit Model

| School Year              | Grade |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | K-1   |       | 1-2   |       | 2-3   |       | 3-4   |       | 4-5   |       | 5-6   |       |
|                          | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- |
| 10 Year Avg. (13-22)     | 1.033 | 3.3%  | 1.032 | 3.2%  | 1.024 | 2.4%  | 1.033 | 3.3%  | 1.009 | 0.9%  | 1.019 | 1.9%  |
| 1st 5-Year Avg. (13-17)  | 1.035 | 3.5%  | 1.040 | 4.0%  | 1.026 | 2.6%  | 1.027 | 2.7%  | 0.998 | -0.2% | 1.010 | 1.0%  |
| Last 5-Year Avg. (18-22) | 1.032 | 3.2%  | 1.025 | 2.5%  | 1.022 | 2.2%  | 1.040 | 4.0%  | 1.021 | 2.1%  | 1.029 | 2.9%  |
| Last 4-Year Avg. (19-22) | 1.039 | 3.9%  | 1.015 | 1.5%  | 1.018 | 1.8%  | 1.044 | 4.4%  | 1.029 | 2.9%  | 1.033 | 3.3%  |
| Last 3-Year Avg. (20-22) | 1.029 | 2.9%  | 1.018 | 1.8%  | 1.015 | 1.5%  | 1.032 | 3.2%  | 1.032 | 3.2%  | 1.020 | 2.0%  |
| Last 2-Year Avg. (21-22) | 1.080 | 8.0%  | 1.065 | 6.5%  | 1.004 | 0.4%  | 1.073 | 7.3%  | 1.034 | 3.4%  | 1.024 | 2.4%  |

| School Year              | Grade |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | 6-7   |       | 7-8   |       | 8-9   |       | 9-10  |       | 10-11 |       | 11-12 |       |
|                          | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- | Ratio | % +/- |
| 10 Year Avg. (13-22)     | 1.006 | 0.6%  | 0.993 | -0.7% | 0.958 | -4.2% | 1.007 | 0.7%  | 1.005 | 0.5%  | 1.027 | 2.7%  |
| 1st 5-Year Avg. (13-17)  | 1.010 | 1.0%  | 1.000 | 0.0%  | 0.939 | -6.1% | 1.000 | 0.0%  | 1.005 | 0.5%  | 1.031 | 3.1%  |
| Last 5-Year Avg. (18-22) | 1.003 | 0.3%  | 0.986 | -1.4% | 0.977 | -2.3% | 1.014 | 1.4%  | 1.005 | 0.5%  | 1.022 | 2.2%  |
| Last 4-Year Avg. (19-22) | 1.003 | 0.3%  | 0.985 | -1.5% | 0.975 | -2.5% | 1.009 | 0.9%  | 1.006 | 0.6%  | 1.019 | 1.9%  |
| Last 3-Year Avg. (20-22) | 0.998 | -0.2% | 0.978 | -2.2% | 0.965 | -3.5% | 1.006 | 0.6%  | 1.001 | 0.1%  | 1.017 | 1.7%  |
| Last 2-Year Avg. (21-22) | 0.995 | -0.5% | 0.972 | -2.8% | 0.980 | -2.0% | 1.028 | 2.8%  | 0.998 | -0.2% | 1.020 | 2.0%  |

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 4   |  |              |              |              |               |               |   |              |              |              |               |               |                                |              |              |              |               |               |
|--|--|--------------|--------------|--------------|---------------|---------------|---|--------------|--------------|--------------|---------------|---------------|--------------------------------|--------------|--------------|--------------|---------------|---------------|
| Enrollment Trends & Projections - Scarborough Resident Enrollment - 2022-23 Best Fit Model |  |              |              |              |               |               |   |              |              |              |               |               |                                |              |              |              |               |               |
| School Year  | Resident Students Attending District Schools |              |              |              |               |               | Resident Students at NON-District Schools |              |              |              |               |               | Total ALL Scarborough Students |              |              |              |               |               |
|  | Total<br>K-2                                 | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 | Total<br>K-2                              | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 | Total<br>K-2                   | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 |
| Historical   |  |              |              |              |               |               |   |              |              |              |               |               |                                |              |              |              |               |               |
| 2012-13  | 624  | 742          | 805          | 2,171        | 1,053         | 3,224         | 1   | 1            | 0            | 2            | 10            | 12            | 625                            | 743          | 805          | 2,173        | 1,063         | 3,236         |
| 2013-14  | 628  | 703          | 783          | 2,114        | 1,028         | 3,142         | 2   | 2            | 1            | 5            | 12            | 17            | 630                            | 705          | 784          | 2,119        | 1,040         | 3,159         |
| 2014-15  | 617  | 696          | 799          | 2,112        | 998           | 3,110         | 2   | 1            | 3            | 6            | 16            | 22            | 619                            | 697          | 802          | 2,118        | 1,014         | 3,132         |
| 2015-16  | 581  | 639          | 746          | 1,966        | 1,021         | 2,987         | 2   | 1            | 4            | 7            | 32            | 39            | 583                            | 640          | 750          | 1,973        | 1,053         | 3,026         |
| 2016-17  | 585  | 670          | 715          | 1,970        | 994           | 2,964         | 1   | 2            | 2            | 5            | 42            | 47            | 586                            | 672          | 717          | 1,975        | 1,036         | 3,011         |
| 2017-18  | 566  | 675          | 717          | 1,958        | 975           | 2,933         | 4   | 1            | 5            | 10           | 43            | 53            | 570                            | 676          | 722          | 1,968        | 1,018         | 2,986         |
| 2018-19  | 608  | 660          | 673          | 1,941        | 1,001         | 2,942         | 3   | 6            | 3            | 12           | 41            | 53            | 611                            | 666          | 676          | 1,953        | 1,042         | 2,995         |
| 2019-20  | 649  | 663          | 694          | 2,006        | 987           | 2,993         | 5   | 1            | 8            | 14           | 43            | 57            | 654                            | 664          | 702          | 2,020        | 1,030         | 3,050         |
| 2020-21  | 606  | 611          | 709          | 1,926        | 941           | 2,867         | 8   | 2            | 10           | 20           | 46            | 66            | 614                            | 613          | 719          | 1,946        | 987           | 2,933         |
| 2021-22  | 629  | 627          | 701          | 1,957        | 910           | 2,867         | 7   | 3            | 10           | 20           | 42            | 62            | 636                            | 630          | 711          | 1,977        | 952           | 2,929         |
| 2022-23  | 639  | 675          | 669          | 1,983        | 908           | 2,891         | 7   | 9            | 7            | 23           | 38            | 61            | 646                            | 684          | 676          | 2,006        | 946           | 2,952         |
| Projected  |  |              |              |              |               |               |   |              |              |              |               |               |                                |              |              |              |               |               |
| 2023-24  | 633  | 684          | 646          | 1,963        | 909           | 2,872         | 7   | 6            | 9            | 23           | 41            | 64            | 640                            | 690          | 655          | 1,986        | 950           | 2,936         |
| 2024-25  | 644  | 698          | 668          | 2,010        | 884           | 2,894         | 8   | 6            | 10           | 23           | 40            | 63            | 652                            | 704          | 678          | 2,033        | 924           | 2,957         |
| 2025-26  | 629  | 694          | 704          | 2,027        | 883           | 2,910         | 7   | 6            | 10           | 24           | 40            | 64            | 636                            | 700          | 714          | 2,051        | 923           | 2,974         |
| 2026-27  | 672  | 689          | 713          | 2,074        | 850           | 2,924         | 8   | 6            | 10           | 24           | 39            | 63            | 680                            | 695          | 723          | 2,098        | 889           | 2,987         |
| 2027-28  | 733  | 699          | 726          | 2,158        | 833           | 2,991         | 9   | 6            | 10           | 25           | 38            | 63            | 742                            | 705          | 736          | 2,183        | 871           | 3,054         |
| 2028-29  | 771  | 682          | 724          | 2,177        | 881           | 3,058         | 9   | 6            | 10           | 26           | 40            | 66            | 780                            | 688          | 734          | 2,203        | 921           | 3,124         |
| 2029-30  | 777  | 731          | 717          | 2,225        | 891           | 3,116         | 9   | 7            | 10           | 26           | 41            | 67            | 786                            | 738          | 727          | 2,251        | 932           | 3,183         |
| 2030-31  | 735  | 795          | 728          | 2,258        | 910           | 3,168         | 9   | 7            | 10           | 26           | 42            | 68            | 744                            | 802          | 738          | 2,284        | 952           | 3,236         |
| 2031-32  | 735  | 838          | 712          | 2,285        | 937           | 3,222         | 9   | 8            | 10           | 26           | 43            | 69            | 744                            | 846          | 722          | 2,311        | 980           | 3,291         |
| 2032-33  | 735  | 844          | 761          | 2,340        | 903           | 3,243         | 9   | 8            | 11           | 27           | 41            | 68            | 744                            | 852          | 772          | 2,367        | 944           | 3,311         |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 5**  
**All Scarborough Resident Students - 2022-23 Best Fit Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-2 |       |      | Grades 3-5 |       |      | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 646        |       |      | 684        |       |      | 676        |       |      | 2,006      |       |       | 946         |       |       | 2,952                 |       |        |
| 2023-24     | 576        | 640   | 704  | 621        | 690   | 759  | 590        | 655   | 721  | 1,787      | 1,986 | 2,184 | 903         | 950   | 998   | 2,690                 | 2,936 | 3,182  |
| 2024-25     | 586        | 652   | 717  | 634        | 704   | 775  | 610        | 678   | 745  | 1,830      | 2,033 | 2,237 | 878         | 924   | 970   | 2,708                 | 2,957 | 3,207  |
| 2025-26     | 573        | 636   | 700  | 630        | 700   | 770  | 643        | 714   | 785  | 1,846      | 2,051 | 2,255 | 877         | 923   | 969   | 2,723                 | 2,974 | 3,224  |
| 2026-27     | 612        | 680   | 748  | 626        | 695   | 765  | 651        | 723   | 795  | 1,889      | 2,098 | 2,308 | 845         | 889   | 933   | 2,734                 | 2,987 | 3,241  |
| 2027-28     | 667        | 742   | 816  | 635        | 705   | 776  | 663        | 736   | 810  | 1,965      | 2,183 | 2,402 | 827         | 871   | 915   | 2,792                 | 3,054 | 3,317  |
| 2028-29     | 702        | 780   | 858  | 619        | 688   | 757  | 661        | 734   | 808  | 1,982      | 2,203 | 2,423 | 875         | 921   | 967   | 2,857                 | 3,124 | 3,390  |
| 2029-30     | 708        | 786   | 865  | 664        | 738   | 811  | 654        | 727   | 800  | 2,026      | 2,251 | 2,476 | 885         | 932   | 979   | 2,911                 | 3,183 | 3,455  |
| 2030-31     | 669        | 744   | 818  | 722        | 802   | 882  | 665        | 738   | 812  | 2,056      | 2,284 | 2,512 | 904         | 952   | 1,000 | 2,960                 | 3,236 | 3,512  |
| 2031-32     | 669        | 744   | 818  | 761        | 846   | 930  | 650        | 722   | 794  | 2,080      | 2,311 | 2,542 | 931         | 980   | 1,029 | 3,011                 | 3,291 | 3,571  |
| 2032-33     | 669        | 744   | 818  | 766        | 852   | 937  | 695        | 772   | 849  | 2,130      | 2,367 | 2,604 | 897         | 944   | 991   | 3,027                 | 3,311 | 3,595  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-2 |       |     | Grades 3-5 |       |     | Grades 6-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 646        |       |     | 684        |       |     | 676        |       |     | 2,006      |       |       | 946         |       |       | 2,952                 |       |       |
| 2023-24     | 621        | 640   | 660 | 669        | 690   | 711 | 636        | 655   | 675 | 1,926      | 1,986 | 2,046 | 922         | 950   | 979   | 2,848                 | 2,936 | 3,025 |
| 2024-25     | 632        | 652   | 671 | 683        | 704   | 725 | 657        | 678   | 698 | 1,972      | 2,033 | 2,094 | 896         | 924   | 952   | 2,868                 | 2,957 | 3,046 |
| 2025-26     | 617        | 636   | 655 | 679        | 700   | 721 | 693        | 714   | 735 | 1,989      | 2,051 | 2,111 | 895         | 923   | 951   | 2,884                 | 2,974 | 3,062 |
| 2026-27     | 660        | 680   | 700 | 674        | 695   | 716 | 701        | 723   | 745 | 2,035      | 2,098 | 2,161 | 862         | 889   | 916   | 2,897                 | 2,987 | 3,077 |
| 2027-28     | 719        | 742   | 764 | 684        | 705   | 726 | 714        | 736   | 758 | 2,117      | 2,183 | 2,248 | 845         | 871   | 897   | 2,962                 | 3,054 | 3,145 |
| 2028-29     | 757        | 780   | 803 | 668        | 688   | 709 | 712        | 734   | 756 | 2,137      | 2,203 | 2,268 | 893         | 921   | 949   | 3,030                 | 3,124 | 3,217 |
| 2029-30     | 763        | 786   | 810 | 715        | 738   | 760 | 705        | 727   | 749 | 2,183      | 2,251 | 2,319 | 904         | 932   | 960   | 3,087                 | 3,183 | 3,279 |
| 2030-31     | 721        | 744   | 766 | 778        | 802   | 826 | 716        | 738   | 761 | 2,215      | 2,284 | 2,353 | 923         | 952   | 981   | 3,138                 | 3,236 | 3,334 |
| 2031-32     | 721        | 744   | 766 | 820        | 846   | 871 | 700        | 722   | 744 | 2,241      | 2,311 | 2,381 | 951         | 980   | 1,009 | 3,192                 | 3,291 | 3,390 |
| 2032-33     | 721        | 744   | 766 | 826        | 852   | 877 | 749        | 772   | 795 | 2,296      | 2,367 | 2,438 | 916         | 944   | 972   | 3,212                 | 3,311 | 3,410 |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 5 - Alternative Grade Groups**  
**All Scarborough Resident Students - 2022-23 Best Fit Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |      | Grades 7-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|-------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10%  | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 885        |       |       | 667        |       |      | 454        |       |      | 2,006      |       |       | 946         |       |       | 2,952                 |       |        |
| 2023-24     | 768        | 853   | 939   | 629        | 699   | 769  | 390        | 433   | 477  | 1,787      | 1,986 | 2,185 | 903         | 950   | 998   | 2,690                 | 2,936 | 3,183  |
| 2024-25     | 788        | 876   | 963   | 638        | 709   | 780  | 404        | 449   | 493  | 1,830      | 2,033 | 2,236 | 878         | 924   | 970   | 2,708                 | 2,957 | 3,206  |
| 2025-26     | 785        | 872   | 960   | 651        | 723   | 796  | 410        | 455   | 501  | 1,846      | 2,051 | 2,257 | 877         | 923   | 969   | 2,723                 | 2,974 | 3,226  |
| 2026-27     | 797        | 886   | 974   | 648        | 720   | 792  | 443        | 492   | 541  | 1,888      | 2,098 | 2,307 | 845         | 889   | 933   | 2,733                 | 2,987 | 3,240  |
| 2027-28     | 879        | 977   | 1,074 | 642        | 713   | 785  | 444        | 493   | 543  | 1,965      | 2,183 | 2,402 | 827         | 871   | 915   | 2,792                 | 3,054 | 3,317  |
| 2028-29     | 899        | 999   | 1,099 | 653        | 725   | 798  | 430        | 478   | 526  | 1,982      | 2,203 | 2,423 | 875         | 921   | 967   | 2,857                 | 3,124 | 3,390  |
| 2029-30     | 935        | 1,039 | 1,143 | 638        | 709   | 779  | 453        | 503   | 554  | 2,026      | 2,251 | 2,476 | 885         | 932   | 979   | 2,911                 | 3,183 | 3,455  |
| 2030-31     | 940        | 1,045 | 1,149 | 681        | 756   | 832  | 435        | 483   | 532  | 2,056      | 2,284 | 2,513 | 904         | 952   | 1,000 | 2,960                 | 3,236 | 3,513  |
| 2031-32     | 901        | 1,002 | 1,102 | 743        | 826   | 908  | 436        | 484   | 533  | 2,080      | 2,311 | 2,543 | 931         | 980   | 1,029 | 3,011                 | 3,291 | 3,572  |
| 2032-33     | 901        | 1,002 | 1,102 | 781        | 868   | 954  | 448        | 498   | 548  | 2,130      | 2,367 | 2,604 | 897         | 944   | 991   | 3,027                 | 3,311 | 3,595  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |     | Grades 7-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-------|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3%   | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 885        |       |       | 667        |       |     | 454        |       |     | 2,006      |       |       | 946         |       |       | 2,952                 |       |       |
| 2023-24     | 828        | 853   | 879   | 678        | 699   | 720 | 420        | 433   | 446 | 1,926      | 1,986 | 2,045 | 922         | 950   | 979   | 2,848                 | 2,936 | 3,024 |
| 2024-25     | 849        | 876   | 902   | 688        | 709   | 731 | 435        | 449   | 462 | 1,972      | 2,033 | 2,095 | 896         | 924   | 952   | 2,868                 | 2,957 | 3,047 |
| 2025-26     | 846        | 872   | 899   | 702        | 723   | 745 | 441        | 455   | 469 | 1,989      | 2,051 | 2,113 | 895         | 923   | 951   | 2,884                 | 2,974 | 3,064 |
| 2026-27     | 859        | 886   | 912   | 699        | 720   | 742 | 477        | 492   | 507 | 2,035      | 2,098 | 2,161 | 862         | 889   | 916   | 2,897                 | 2,987 | 3,077 |
| 2027-28     | 947        | 977   | 1,006 | 692        | 713   | 735 | 479        | 493   | 508 | 2,118      | 2,183 | 2,249 | 845         | 871   | 897   | 2,963                 | 3,054 | 3,146 |
| 2028-29     | 969        | 999   | 1,029 | 703        | 725   | 747 | 464        | 478   | 493 | 2,136      | 2,203 | 2,269 | 893         | 921   | 949   | 3,029                 | 3,124 | 3,218 |
| 2029-30     | 1,008      | 1,039 | 1,070 | 687        | 709   | 730 | 488        | 503   | 518 | 2,183      | 2,251 | 2,318 | 904         | 932   | 960   | 3,087                 | 3,183 | 3,278 |
| 2030-31     | 1,013      | 1,045 | 1,076 | 734        | 756   | 779 | 469        | 483   | 498 | 2,216      | 2,284 | 2,353 | 923         | 952   | 981   | 3,139                 | 3,236 | 3,334 |
| 2031-32     | 972        | 1,002 | 1,032 | 801        | 826   | 850 | 470        | 484   | 499 | 2,243      | 2,311 | 2,381 | 951         | 980   | 1,009 | 3,194                 | 3,291 | 3,390 |
| 2032-33     | 972        | 1,002 | 1,032 | 842        | 868   | 894 | 483        | 498   | 513 | 2,297      | 2,367 | 2,439 | 916         | 944   | 972   | 3,213                 | 3,311 | 3,411 |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 6  |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
|---|--|-----------|-----------|-----------|------------|------------|---|-----------|-----------|-----------|------------|------------|------------------------------|-----------|-----------|-----------|------------|------------|
| Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| School Year   | Resident Students Attending District Schools |           |           |           |            |            | NON-Resident Students at District Schools |           |           |           |            |            | Total ALL Attending Students |           |           |           |            |            |
|   | Total K-2                                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                                 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
| Historical  |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2012-13   | 624  | 742       | 805       | 2,171     | 1,053      | 3,224      | 0   | 1         | 0         | 1         | 0          | 1          | 624                          | 743       | 805       | 2,172     | 1,053      | 3,225      |
| 2013-14   | 628  | 703       | 783       | 2,114     | 1,028      | 3,142      | 0   | 0         | 1         | 1         | 1          | 2          | 628                          | 703       | 784       | 2,115     | 1,029      | 3,144      |
| 2014-15   | 617  | 696       | 799       | 2,112     | 998        | 3,110      | 0   | 1         | 0         | 1         | 0          | 1          | 617                          | 697       | 799       | 2,113     | 998        | 3,111      |
| 2015-16   | 581  | 639       | 746       | 1,966     | 1,021      | 2,987      | 0   | 0         | 1         | 1         | 1          | 2          | 581                          | 639       | 747       | 1,967     | 1,022      | 2,989      |
| 2016-17   | 585  | 670       | 715       | 1,970     | 994        | 2,964      | 0   | 0         | 1         | 1         | 1          | 2          | 585                          | 670       | 716       | 1,971     | 995        | 2,966      |
| 2017-18   | 566  | 675       | 717       | 1,958     | 975        | 2,933      | 1   | 0         | 0         | 1         | 4          | 5          | 567                          | 675       | 717       | 1,959     | 979        | 2,938      |
| 2018-19   | 608  | 660       | 673       | 1,941     | 1,001      | 2,942      | 1   | 1         | 2         | 4         | 2          | 6          | 609                          | 661       | 675       | 1,945     | 1,003      | 2,948      |
| 2019-20   | 649  | 663       | 694       | 2,006     | 987        | 2,993      | 2   | 1         | 2         | 5         | 1          | 6          | 651                          | 664       | 696       | 2,011     | 988        | 2,999      |
| 2020-21   | 606  | 611       | 709       | 1,926     | 941        | 2,867      | 0   | 3         | 2         | 5         | 2          | 7          | 606                          | 614       | 711       | 1,931     | 943        | 2,874      |
| 2021-22   | 629  | 627       | 701       | 1,957     | 910        | 2,867      | 2   | 2         | 1         | 5         | 2          | 7          | 631                          | 629       | 702       | 1,962     | 912        | 2,874      |
| 2022-23   | 639  | 675       | 669       | 1,983     | 908        | 2,891      | 1   | 2         | 2         | 5         | 2          | 7          | 640                          | 677       | 671       | 1,988     | 910        | 2,898      |
| Projected   |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2023-24   | 633  | 684       | 646       | 1,963     | 909        | 2,872      | 1   | 1         | 1         | 3         | 2          | 5          | 634                          | 685       | 647       | 1,966     | 911        | 2,877      |
| 2024-25   | 644  | 698       | 668       | 2,010     | 884        | 2,894      | 1   | 1         | 1         | 3         | 2          | 5          | 645                          | 699       | 669       | 2,013     | 886        | 2,899      |
| 2025-26   | 629  | 694       | 704       | 2,027     | 883        | 2,910      | 1   | 1         | 1         | 3         | 2          | 5          | 630                          | 695       | 705       | 2,030     | 885        | 2,915      |
| 2026-27   | 672  | 689       | 713       | 2,074     | 850        | 2,924      | 2   | 1         | 1         | 4         | 2          | 6          | 674                          | 690       | 714       | 2,078     | 852        | 2,930      |
| 2027-28   | 733  | 699       | 726       | 2,158     | 833        | 2,991      | 2   | 1         | 1         | 4         | 2          | 6          | 735                          | 700       | 727       | 2,162     | 835        | 2,997      |
| 2028-29   | 771  | 682       | 724       | 2,177     | 881        | 3,058      | 2   | 1         | 1         | 4         | 2          | 6          | 773                          | 683       | 725       | 2,181     | 883        | 3,064      |
| 2029-30   | 777  | 731       | 717       | 2,225     | 891        | 3,116      | 2   | 1         | 1         | 4         | 2          | 6          | 779                          | 732       | 718       | 2,229     | 893        | 3,122      |
| 2030-31   | 735  | 795       | 728       | 2,258     | 910        | 3,168      | 2   | 1         | 2         | 5         | 2          | 7          | 737                          | 796       | 730       | 2,263     | 912        | 3,175      |
| 2031-32   | 735  | 838       | 712       | 2,285     | 937        | 3,222      | 2   | 2         | 1         | 5         | 2          | 7          | 737                          | 840       | 713       | 2,290     | 939        | 3,229      |
| 2032-33   | 735  | 844       | 761       | 2,340     | 903        | 3,243      | 2   | 2         | 2         | 6         | 2          | 8          | 737                          | 846       | 763       | 2,346     | 905        | 3,251      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 6 - Alternative Grade Groupings  |                              |              |              |              |               |               |              |              |              |              |               |               |
|---|------------------------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model |                              |              |              |              |               |               |              |              |              |              |               |               |
| School Year   | Total ALL Attending Students |              |              |              |               |               |              |              |              |              |               |               |
|   | Total<br>K-2                 | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 | Total<br>K-3 | Total<br>4-6 | Total<br>7-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 |
| Historical  |                              |              |              |              |               |               |              |              |              |              |               |               |
| 2012-13   | 624                          | 743          | 805          | 2,172        | 1,053         | 3,225         | 865          | 787          | 520          | 2,172        | 1,053         | 3,225         |
| 2013-14   | 628                          | 703          | 784          | 2,115        | 1,029         | 3,144         | 839          | 759          | 516          | 2,115        | 1,029         | 3,144         |
| 2014-15   | 617                          | 697          | 799          | 2,113        | 998           | 3,111         | 840          | 720          | 553          | 2,113        | 998           | 3,111         |
| 2015-16   | 581                          | 639          | 747          | 1,967        | 1,022         | 2,989         | 780          | 680          | 506          | 1,967        | 1,022         | 2,989         |
| 2016-17   | 585                          | 670          | 716          | 1,971        | 995           | 2,966         | 823          | 656          | 491          | 1,971        | 995           | 2,966         |
| 2017-18   | 567                          | 675          | 717          | 1,959        | 979           | 2,938         | 798          | 672          | 489          | 1,959        | 979           | 2,938         |
| 2018-19   | 609                          | 661          | 675          | 1,945        | 1,003         | 2,948         | 797          | 681          | 465          | 1,945        | 1,003         | 2,948         |
| 2019-20   | 651                          | 664          | 696          | 2,011        | 988           | 2,999         | 869          | 697          | 443          | 2,011        | 988           | 2,999         |
| 2020-21   | 606                          | 614          | 711          | 1,931        | 943           | 2,874         | 801          | 661          | 467          | 1,931        | 943           | 2,874         |
| 2021-22   | 631                          | 629          | 702          | 1,962        | 912           | 2,874         | 835          | 633          | 493          | 1,962        | 912           | 2,874         |
| 2022-23   | 640                          | 677          | 671          | 1,988        | 910           | 2,898         | 879          | 658          | 449          | 1,988        | 910           | 2,898         |
| Projected   |                              |              |              |              |               |               |              |              |              |              |               |               |
| 2023-24   | 634                          | 685          | 647          | 1,966        | 911           | 2,877         | 847          | 693          | 425          | 1,966        | 911           | 2,877         |
| 2024-25   | 645                          | 699          | 669          | 2,013        | 886           | 2,899         | 869          | 703          | 440          | 2,013        | 886           | 2,899         |
| 2025-26   | 630                          | 695          | 705          | 2,030        | 885           | 2,915         | 866          | 717          | 446          | 2,030        | 885           | 2,915         |
| 2026-27   | 674                          | 690          | 714          | 2,078        | 852           | 2,930         | 880          | 714          | 483          | 2,078        | 852           | 2,930         |
| 2027-28   | 735                          | 700          | 727          | 2,162        | 835           | 2,997         | 970          | 707          | 484          | 2,162        | 835           | 2,997         |
| 2028-29   | 773                          | 683          | 725          | 2,181        | 883           | 3,064         | 992          | 719          | 469          | 2,181        | 883           | 3,064         |
| 2029-30   | 779                          | 732          | 718          | 2,229        | 893           | 3,122         | 1,032        | 702          | 494          | 2,229        | 893           | 3,122         |
| 2030-31   | 737                          | 796          | 730          | 2,263        | 912           | 3,175         | 1,038        | 749          | 474          | 2,263        | 912           | 3,175         |
| 2031-32   | 737                          | 840          | 713          | 2,290        | 939           | 3,229         | 995          | 818          | 476          | 2,290        | 939           | 3,229         |
| 2032-33   | 737                          | 846          | 763          | 2,346        | 905           | 3,251         | 995          | 860          | 489          | 2,346        | 905           | 3,251         |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 7  |            |       |      |            |       |      |            |       |      |            |       |       |             |       |     |                       |       |        |
|---|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-----|-----------------------|-------|--------|
| Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model |            |       |      |            |       |      |            |       |      |            |       |       |             |       |     |                       |       |        |
| Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment            |            |       |      |            |       |      |            |       |      |            |       |       |             |       |     |                       |       |        |
| School Year   | Grades K-2 |       |      | Grades 3-5 |       |      | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |     | Total All Grades K-12 |       |        |
|   | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5% | -Range                | Proj. | +Range |
| 2022-23*  | 640        |       |      | 677        |       |      | 671        |       |      | 1,988      |       |       | 910         |       |     | 2,898                 |       |        |
| 2023-24   | 571        | 634   | 697  | 617        | 685   | 754  | 582        | 647   | 712  | 1,770      | 1,966 | 2,163 | 865         | 911   | 957 | 2,635                 | 2,877 | 3,120  |
| 2024-25   | 581        | 645   | 710  | 629        | 699   | 769  | 602        | 669   | 736  | 1,812      | 2,013 | 2,215 | 842         | 886   | 930 | 2,654                 | 2,899 | 3,145  |
| 2025-26   | 567        | 630   | 693  | 626        | 695   | 765  | 635        | 705   | 776  | 1,828      | 2,030 | 2,234 | 841         | 885   | 929 | 2,669                 | 2,915 | 3,163  |
| 2026-27   | 607        | 674   | 741  | 621        | 690   | 759  | 643        | 714   | 785  | 1,871      | 2,078 | 2,285 | 809         | 852   | 895 | 2,680                 | 2,930 | 3,180  |
| 2027-28   | 662        | 735   | 809  | 630        | 700   | 770  | 654        | 727   | 800  | 1,946      | 2,162 | 2,379 | 793         | 835   | 877 | 2,739                 | 2,997 | 3,256  |
| 2028-29   | 696        | 773   | 850  | 615        | 683   | 751  | 653        | 725   | 798  | 1,964      | 2,181 | 2,399 | 839         | 883   | 927 | 2,803                 | 3,064 | 3,326  |
| 2029-30   | 701        | 779   | 857  | 659        | 732   | 805  | 646        | 718   | 790  | 2,006      | 2,229 | 2,452 | 848         | 893   | 938 | 2,854                 | 3,122 | 3,390  |
| 2030-31   | 663        | 737   | 811  | 716        | 796   | 876  | 657        | 730   | 803  | 2,036      | 2,263 | 2,490 | 866         | 912   | 958 | 2,902                 | 3,175 | 3,448  |
| 2031-32   | 663        | 737   | 811  | 756        | 840   | 924  | 642        | 713   | 784  | 2,061      | 2,290 | 2,519 | 892         | 939   | 986 | 2,953                 | 3,229 | 3,505  |
| 2032-33   | 663        | 737   | 811  | 761        | 846   | 931  | 687        | 763   | 839  | 2,111      | 2,346 | 2,581 | 860         | 905   | 950 | 2,971                 | 3,251 | 3,531  |
| Enrollment Projection Ranges (+/-3%) - October 1st Enrollment                       |            |       |      |            |       |      |            |       |      |            |       |       |             |       |     |                       |       |        |
| School Year   | Grades K-2 |       |      | Grades 3-5 |       |      | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |     | Total All Grades K-12 |       |        |
|   | -3%        | Proj. | +3%  | -3%        | Proj. | +3%  | -3%        | Proj. | +3%  | -3%        | Proj. | +3%   | -3%         | Proj. | +3% | -3%                   | Proj. | 3%     |
| 2022-23*  | 640        |       |      | 677        |       |      | 671        |       |      | 1,988      |       |       | 910         |       |     | 2,898                 |       |        |
| 2023-24   | 615        | 634   | 653  | 664        | 685   | 706  | 628        | 647   | 666  | 1,907      | 1,966 | 2,025 | 884         | 911   | 938 | 2,791                 | 2,877 | 2,963  |
| 2024-25   | 626        | 645   | 664  | 678        | 699   | 720  | 649        | 669   | 689  | 1,953      | 2,013 | 2,073 | 859         | 886   | 913 | 2,812                 | 2,899 | 2,986  |
| 2025-26   | 611        | 630   | 649  | 674        | 695   | 716  | 684        | 705   | 726  | 1,969      | 2,030 | 2,091 | 858         | 885   | 912 | 2,827                 | 2,915 | 3,003  |
| 2026-27   | 654        | 674   | 694  | 669        | 690   | 711  | 693        | 714   | 735  | 2,016      | 2,078 | 2,140 | 826         | 852   | 878 | 2,842                 | 2,930 | 3,018  |
| 2027-28   | 713        | 735   | 757  | 679        | 700   | 721  | 705        | 727   | 749  | 2,097      | 2,162 | 2,227 | 810         | 835   | 860 | 2,907                 | 2,997 | 3,087  |
| 2028-29   | 750        | 773   | 796  | 663        | 683   | 703  | 703        | 725   | 747  | 2,116      | 2,181 | 2,246 | 857         | 883   | 909 | 2,973                 | 3,064 | 3,155  |
| 2029-30   | 756        | 779   | 802  | 710        | 732   | 754  | 696        | 718   | 740  | 2,162      | 2,229 | 2,296 | 866         | 893   | 920 | 3,028                 | 3,122 | 3,216  |
| 2030-31   | 715        | 737   | 759  | 772        | 796   | 820  | 708        | 730   | 752  | 2,195      | 2,263 | 2,331 | 885         | 912   | 939 | 3,080                 | 3,175 | 3,270  |
| 2031-32   | 715        | 737   | 759  | 815        | 840   | 865  | 692        | 713   | 734  | 2,222      | 2,290 | 2,358 | 911         | 939   | 967 | 3,133                 | 3,229 | 3,325  |
| 2032-33   | 715        | 737   | 759  | 821        | 846   | 871  | 740        | 763   | 786  | 2,276      | 2,346 | 2,416 | 878         | 905   | 932 | 3,154                 | 3,251 | 3,348  |

Notes: Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 1-1**

**Entering Class to Births Ratio Worksheet - Scarborough Resident Students - 2022-23 Best Fit Model +COVID ADJUSTMENT**

| Oct 15-Oct 14 Births                           | Number Births | KG Year  | KG Class Size | 1st Grade Year     | 1st Class Size | Ratio 1st/Birth | Ratio 1st/K | Proj. 1st Grade | Net Preschool Migration |
|--|---------------|--|---------------|--------------------|----------------|-----------------|-------------|-----------------|-------------------------|
| 2006-07  | 135           | 10/12  | 202           | 10/13              | 199            | 1.474           | 0.985       |                 | 64                      |
| 2007-08  | 142           | 10/13  | 204           | 10/14              | 212            | 1.493           | 1.039       |                 | 70                      |
| 2008-09  | 138           | 10/14  | 207           | 10/15              | 209            | 1.514           | 1.010       |                 | 71                      |
| 2009-10  | 129           | 10/15  | 156           | 10/16              | 173            | 1.341           | 1.109       |                 | 44                      |
| 2010-11  | 135           | 10/16  | 193           | 10/17              | 199            | 1.474           | 1.031       |                 | 64                      |
| 2011-12  | 129           | 10/17  | 186           | 10/18              | 187            | 1.450           | 1.005       |                 | 58                      |
| 2012-13  | 150           | 10/18  | 209           | 10/19              | 223            | 1.487           | 1.067       |                 | 73                      |
| 2013-14  | 167           | 10/19  | 238           | 10/20              | 221            | 1.323           | 0.929       |                 | 54                      |
| 2014-15  | 158           | 10/20  | 179           | 10/21              | 195            | 1.234           | 1.089       |                 | 37                      |
| 2015-16  | 157           | 10/21  | 199           | 10/22              | 213            | 1.357           | 1.070       |                 | 56                      |
| 2016-17  | 138           | 10/22  | 218           | 10/23              |                | 1.663           | 1.053       | 230             | 92                      |
| 2017-18  | 142           | 10/23  |               | 10/24              |                | 1.381           |             | 196             | 54                      |
| 2018-19  | 162           | 10/24  |               | 10/25              |                | 1.381           |             | 224             | 62                      |
| 2019-20  | 151           | 10/25  |               | 10/26              |                | 1.381           |             | 209             | 58                      |
| 2020-21  | 174           | 10/26  |               | 10/27              |                | 1.381           |             | 240             | 66                      |
| 2021-22*                                       | 207           | 10/27  |               | 10/28              |                | 1.381           |             | 286             | 79                      |
| 2022-23 est                                    | 177           | 10/28  |               | 10/29              |                | 1.381           |             | 245             | 68                      |
| 2023-24 est                                    | 186           | 10/29  |               | 10/30              |                | 1.381           |             | 257             | 71                      |
| 2024-25 est                                    | 190           | 10/30  |               | 10/31              |                | 1.381           |             | 263             | 72                      |
| 2025-26 est                                    | 185           | 10/31  |               | 10/32              |                | 1.381           |             | 255             | 70                      |
| 10yr Total (07-16)                             | 1,440         | 10yr Total (12-21)                                   | 1,973         | 10yr Total (13-22) | 2,031          | 1.410           | 1.029       | Last 10yr       | 59.1                    |
| 10yr Avg (07-16)                               | 144           | 10yr Avg (12-21)                                     | 197           | 10yr Avg (13-22)   | 203            | 1.415           | 1.029       | Last 5yr        | 55.6                    |
| 5yr Avg (18-22)                                | 167           |  |               |                    |                |                 |             | Last 3yr        | 49.0                    |
| 5yr Max (18-22)                                | 207           |  |               |                    |                |                 |             | Proj.           | 69.1                    |
| 5yr Min (18-22)                                | 142           |  |               |                    |                |                 |             |                 |                         |
| 3 yr Avg (20-22)                               | 177           |  |               |                    |                |                 |             |                 |                         |
| 2 yr Avg (21-22)                               | 191           |  |               |                    |                |                 |             |                 |                         |
| First Grade to Births Correlation Coefficients |               | First Grade to Kindergarten Correlation Coefficients |               |                    |                |                 |             |                 |                         |
| 10 YEAR  | 0.676         | 10 YEAR  | 0.885         |                    |                |                 |             |                 |                         |
| 9 YEAR   | 0.677         | 9 YEAR   | 0.898         |                    |                |                 |             |                 |                         |
| 8 YEAR   | 0.708         | 8 YEAR   | 0.898         |                    |                |                 |             |                 |                         |
| 7 YEAR   | 0.764         | 7 YEAR   | 0.896         |                    |                |                 |             |                 |                         |
| 6 YEAR   | 0.668         | 6 YEAR   | 0.811         |                    |                |                 |             |                 |                         |
| 5 YEAR   | 0.648         | 5 YEAR   | 0.804         |                    |                |                 |             |                 |                         |
| 4 YEAR   | -0.030        | 4 YEAR   | 0.821         |                    |                |                 |             |                 |                         |
| 3 YEAR   | 0.673         | 3 YEAR   | 0.920         |                    |                |                 |             |                 |                         |

| Ratios        | 1st/Birth | 1st/K |
|---------------|-----------|-------|
| Avg last 10   | 1.415     | 1.033 |
| Avg last 9    | 1.408     | 1.039 |
| Avg last 8    | 1.398     | 1.039 |
| Avg last 7    | 1.381     | 1.043 |
| Avg last 6    | 1.388     | 1.032 |
| Avg last 5    | 1.370     | 1.032 |
| Avg last 4    | 1.350     | 1.039 |
| Avg last 3    | 1.305     | 1.029 |
|               |           |       |
| 10yr Weighted | 1.384     | 1.038 |
| 5yr Weighted  | 1.341     | 1.042 |
| 3yr Weighted  | 1.310     | 1.053 |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... \*2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year weighted ratio of first grade to Kindergarten.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting



## Appendix Table 8

### Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model +COVID ADJUSTMENT

| School Year       | K   | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----------|-----------|-----------|-----------|------------|------------|
| <b>Historical</b> |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2012-13           | 202 | 206 | 216 | 241 | 240 | 261 | 286 | 243 | 276 | 253 | 242  | 278  | 280  | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      |
| 2013-14           | 204 | 199 | 225 | 211 | 252 | 240 | 267 | 282 | 234 | 255 | 249  | 241  | 283  | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      |
| 2014-15           | 207 | 212 | 198 | 223 | 223 | 250 | 247 | 263 | 289 | 226 | 258  | 260  | 254  | 617       | 696       | 799       | 2,112     | 998        | 3,110      |
| 2015-16           | 156 | 209 | 216 | 199 | 222 | 218 | 240 | 244 | 262 | 263 | 228  | 259  | 271  | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      |
| 2016-17           | 193 | 173 | 219 | 238 | 206 | 226 | 224 | 247 | 244 | 249 | 261  | 227  | 257  | 585       | 670       | 715       | 1,970     | 994        | 2,964      |
| 2017-18           | 186 | 199 | 181 | 231 | 238 | 206 | 228 | 238 | 251 | 230 | 250  | 257  | 238  | 566       | 675       | 717       | 1,958     | 975        | 2,933      |
| 2018-19           | 209 | 187 | 212 | 188 | 237 | 235 | 209 | 228 | 236 | 247 | 238  | 250  | 266  | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      |
| 2019-20           | 238 | 223 | 188 | 218 | 203 | 242 | 252 | 213 | 229 | 237 | 251  | 243  | 256  | 649       | 663       | 694       | 2,006     | 987        | 2,993      |
| 2020-21           | 179 | 221 | 206 | 195 | 207 | 209 | 245 | 253 | 211 | 214 | 228  | 253  | 246  | 606       | 611       | 709       | 1,926     | 941        | 2,867      |
| 2021-22           | 199 | 195 | 235 | 204 | 210 | 213 | 210 | 246 | 245 | 207 | 222  | 227  | 254  | 629       | 627       | 701       | 1,957     | 910        | 2,867      |
| 2022-23           | 218 | 213 | 208 | 239 | 218 | 218 | 222 | 207 | 240 | 240 | 211  | 222  | 235  | 639       | 675       | 669       | 1,983     | 908        | 2,891      |
| <b>Projected</b>  |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2023-24           | 193 | 230 | 223 | 213 | 247 | 224 | 222 | 222 | 202 | 237 | 246  | 211  | 226  | 646       | 684       | 646       | 1,976     | 920        | 2,896      |
| 2024-25           | 220 | 196 | 240 | 228 | 219 | 254 | 229 | 222 | 217 | 200 | 243  | 247  | 215  | 656       | 701       | 668       | 2,025     | 905        | 2,930      |
| 2025-26           | 205 | 224 | 205 | 245 | 235 | 226 | 259 | 228 | 217 | 214 | 205  | 244  | 251  | 634       | 706       | 704       | 2,044     | 914        | 2,958      |
| 2026-27           | 236 | 209 | 234 | 209 | 253 | 242 | 230 | 258 | 223 | 214 | 220  | 206  | 248  | 679       | 704       | 711       | 2,094     | 888        | 2,982      |
| 2027-28           | 281 | 240 | 218 | 239 | 216 | 260 | 246 | 230 | 253 | 221 | 220  | 220  | 209  | 739       | 715       | 729       | 2,183     | 870        | 3,053      |
| 2028-29           | 241 | 286 | 251 | 223 | 246 | 222 | 266 | 246 | 225 | 249 | 226  | 220  | 224  | 778       | 691       | 737       | 2,206     | 919        | 3,125      |
| 2029-30           | 252 | 245 | 299 | 257 | 230 | 254 | 227 | 265 | 241 | 222 | 256  | 227  | 224  | 796       | 741       | 733       | 2,270     | 929        | 3,199      |
| 2030-31           | 258 | 257 | 256 | 305 | 265 | 237 | 259 | 226 | 259 | 237 | 228  | 256  | 231  | 771       | 807       | 744       | 2,322     | 952        | 3,274      |
| 2031-32           | 250 | 263 | 269 | 262 | 315 | 273 | 241 | 258 | 221 | 256 | 244  | 228  | 261  | 782       | 850       | 720       | 2,352     | 989        | 3,341      |
| 2032-33           | 250 | 255 | 274 | 274 | 270 | 324 | 278 | 241 | 253 | 219 | 263  | 244  | 232  | 779       | 868       | 772       | 2,419     | 958        | 3,377      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 8 - Alternative Grade Groups  |           |           |           |           |            |            |  |           |           |           |           |            |            |
|--|-----------|-----------|-----------|-----------|------------|------------|--|-----------|-----------|-----------|-----------|------------|------------|
| Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model +COVID ADJUSTMENT |           |           |           |           |            |            |  |           |           |           |           |            |            |
| School Year  | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |  | Total K-3 | Total 4-6 | Total 7-8 | Total K-8 | Total 9-12 | Total K-12 |
| Historical   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2012-13  | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      |  | 865       | 787       | 519       | 2,171     | 1,053      | 3,224      |
| 2013-14  | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      |  | 839       | 759       | 516       | 2,114     | 1,028      | 3,142      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2014-15  | 617       | 696       | 799       | 2,112     | 998        | 3,110      |  | 840       | 720       | 552       | 2,112     | 998        | 3,110      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2015-16  | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      |  | 780       | 680       | 506       | 1,966     | 1,021      | 2,987      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2016-17  | 585       | 670       | 715       | 1,970     | 994        | 2,964      |  | 823       | 656       | 491       | 1,970     | 994        | 2,964      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2017-18  | 566       | 675       | 717       | 1,958     | 975        | 2,933      |  | 797       | 672       | 489       | 1,958     | 975        | 2,933      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2018-19  | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      |  | 796       | 681       | 464       | 1,941     | 1,001      | 2,942      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2019-20  | 649       | 663       | 694       | 2,006     | 987        | 2,993      |  | 867       | 697       | 442       | 2,006     | 987        | 2,993      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2020-21  | 606       | 611       | 709       | 1,926     | 941        | 2,867      |  | 801       | 661       | 464       | 1,926     | 941        | 2,867      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2021-22  | 629       | 627       | 701       | 1,957     | 910        | 2,867      |  | 833       | 633       | 491       | 1,957     | 910        | 2,867      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2022-23  | 639       | 675       | 669       | 1,983     | 908        | 2,891      |  | 878       | 658       | 447       | 1,983     | 908        | 2,891      |
| Projected  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2023-24  | 645       | 684       | 646       | 1,975     | 920        | 2,895      |  | 857       | 693       | 424       | 1,975     | 920        | 2,895      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2024-25  | 656       | 701       | 667       | 2,024     | 905        | 2,929      |  | 883       | 702       | 439       | 2,024     | 905        | 2,929      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2025-26  | 633       | 706       | 704       | 2,043     | 914        | 2,957      |  | 879       | 719       | 445       | 2,043     | 914        | 2,957      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2026-27  | 678       | 704       | 712       | 2,094     | 887        | 2,982      |  | 888       | 725       | 482       | 2,094     | 887        | 2,982      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2027-28  | 739       | 715       | 729       | 2,183     | 870        | 3,053      |  | 978       | 723       | 483       | 2,183     | 870        | 3,053      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2028-29  | 777       | 692       | 736       | 2,205     | 920        | 3,125      |  | 1,000     | 734       | 471       | 2,205     | 920        | 3,125      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2029-30  | 796       | 740       | 732       | 2,268     | 929        | 3,197      |  | 1,053     | 710       | 505       | 2,268     | 929        | 3,197      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2030-31  | 771       | 807       | 744       | 2,322     | 953        | 3,274      |  | 1,076     | 760       | 486       | 2,322     | 953        | 3,274      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2031-32  | 781       | 849       | 721       | 2,351     | 989        | 3,340      |  | 1,043     | 829       | 480       | 2,351     | 989        | 3,340      |
|  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2032-33  | 779       | 869       | 771       | 2,419     | 958        | 3,377      |  | 1,054     | 872       | 493       | 2,419     | 958        | 3,377      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 9**

**Enrollment Trends & Projections - Scarborough Resident Enrollment - 2022-23 Best Fit Model +COVID ADJUSTMENT**

| School Year | Resident Students Attending District Schools |              |              |              |               |               | Resident Students at NON-District Schools |              |              |              |               |               | Total ALL Scarborough Students |              |              |              |               |               |
|-------------|--|--------------|--------------|--------------|---------------|---------------|---|--------------|--------------|--------------|---------------|---------------|--------------------------------|--------------|--------------|--------------|---------------|---------------|
|             | Total<br>K-2                                 | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 | Total<br>K-2                              | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 | Total<br>K-2                   | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 |
| Historical  |  |              |              |              |               |               |   |              |              |              |               |               |                                |              |              |              |               |               |
| 2012-13     | 624  | 742          | 805          | 2,171        | 1,053         | 3,224         | 1   | 1            | 0            | 2            | 10            | 12            | 625                            | 743          | 805          | 2,173        | 1,063         | 3,236         |
| 2013-14     | 628  | 703          | 783          | 2,114        | 1,028         | 3,142         | 2   | 2            | 1            | 5            | 12            | 17            | 630                            | 705          | 784          | 2,119        | 1,040         | 3,159         |
| 2014-15     | 617  | 696          | 799          | 2,112        | 998           | 3,110         | 2   | 1            | 3            | 6            | 16            | 22            | 619                            | 697          | 802          | 2,118        | 1,014         | 3,132         |
| 2015-16     | 581  | 639          | 746          | 1,966        | 1,021         | 2,987         | 2   | 1            | 4            | 7            | 32            | 39            | 583                            | 640          | 750          | 1,973        | 1,053         | 3,026         |
| 2016-17     | 585  | 670          | 715          | 1,970        | 994           | 2,964         | 1   | 2            | 2            | 5            | 42            | 47            | 586                            | 672          | 717          | 1,975        | 1,036         | 3,011         |
| 2017-18     | 566  | 675          | 717          | 1,958        | 975           | 2,933         | 4   | 1            | 5            | 10           | 43            | 53            | 570                            | 676          | 722          | 1,968        | 1,018         | 2,986         |
| 2018-19     | 608  | 660          | 673          | 1,941        | 1,001         | 2,942         | 3   | 6            | 3            | 12           | 41            | 53            | 611                            | 666          | 676          | 1,953        | 1,042         | 2,995         |
| 2019-20     | 649  | 663          | 694          | 2,006        | 987           | 2,993         | 5   | 1            | 8            | 14           | 43            | 57            | 654                            | 664          | 702          | 2,020        | 1,030         | 3,050         |
| 2020-21     | 606  | 611          | 709          | 1,926        | 941           | 2,867         | 8   | 2            | 10           | 20           | 46            | 66            | 614                            | 613          | 719          | 1,946        | 987           | 2,933         |
| 2021-22     | 629  | 627          | 701          | 1,957        | 910           | 2,867         | 7   | 3            | 10           | 20           | 42            | 62            | 636                            | 630          | 711          | 1,977        | 952           | 2,929         |
| 2022-23     | 639  | 675          | 669          | 1,983        | 908           | 2,891         | 7   | 9            | 7            | 23           | 38            | 61            | 646                            | 684          | 676          | 2,006        | 946           | 2,952         |
| Projected   |  |              |              |              |               |               |   |              |              |              |               |               |                                |              |              |              |               |               |
| 2023-24     | 646  | 684          | 646          | 1,976        | 920           | 2,896         | 7   | 6            | 9            | 23           | 41            | 64            | 653                            | 690          | 655          | 1,999        | 961           | 2,960         |
| 2024-25     | 656  | 701          | 668          | 2,025        | 905           | 2,930         | 8   | 6            | 10           | 23           | 40            | 63            | 664                            | 707          | 678          | 2,048        | 945           | 2,993         |
| 2025-26     | 634  | 706          | 704          | 2,044        | 914           | 2,958         | 7   | 6            | 10           | 24           | 40            | 64            | 641                            | 712          | 714          | 2,068        | 954           | 3,022         |
| 2026-27     | 679  | 704          | 711          | 2,094        | 888           | 2,982         | 8   | 6            | 10           | 24           | 39            | 63            | 687                            | 710          | 721          | 2,118        | 927           | 3,045         |
| 2027-28     | 739  | 715          | 729          | 2,183        | 870           | 3,053         | 9   | 6            | 10           | 25           | 38            | 63            | 748                            | 721          | 739          | 2,208        | 908           | 3,116         |
| 2028-29     | 778  | 691          | 737          | 2,206        | 919           | 3,125         | 9   | 6            | 10           | 26           | 40            | 66            | 787                            | 697          | 747          | 2,232        | 959           | 3,191         |
| 2029-30     | 796  | 741          | 733          | 2,270        | 929           | 3,199         | 9   | 7            | 10           | 26           | 41            | 67            | 805                            | 748          | 743          | 2,296        | 970           | 3,266         |
| 2030-31     | 771  | 807          | 744          | 2,322        | 952           | 3,274         | 9   | 7            | 10           | 26           | 42            | 68            | 780                            | 814          | 754          | 2,348        | 994           | 3,342         |
| 2031-32     | 782  | 850          | 720          | 2,352        | 989           | 3,341         | 9   | 8            | 10           | 26           | 43            | 69            | 791                            | 858          | 730          | 2,378        | 1,032         | 3,410         |
| 2032-33     | 779  | 868          | 772          | 2,419        | 958           | 3,377         | 9   | 8            | 11           | 27           | 41            | 68            | 788                            | 876          | 783          | 2,446        | 999           | 3,445         |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 10**  
**All Scarborough Resident Students - 2022-23 Best Fit Model +COVID ADJUSTMENT**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-2 |       |      | Grades 3-5 |       |      | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 646        |       |      | 684        |       |      | 676        |       |      | 2,006      |       |       | 946         |       |       | 2,952                 |       |        |
| 2023-24     | 588        | 653   | 719  | 621        | 690   | 759  | 590        | 655   | 721  | 1,799      | 1,999 | 2,199 | 913         | 961   | 1,009 | 2,712                 | 2,960 | 3,208  |
| 2024-25     | 597        | 664   | 730  | 637        | 707   | 778  | 610        | 678   | 745  | 1,844      | 2,048 | 2,253 | 898         | 945   | 992   | 2,742                 | 2,993 | 3,245  |
| 2025-26     | 577        | 641   | 706  | 641        | 712   | 784  | 643        | 714   | 785  | 1,861      | 2,068 | 2,275 | 906         | 954   | 1,002 | 2,767                 | 3,022 | 3,277  |
| 2026-27     | 618        | 687   | 756  | 639        | 710   | 781  | 649        | 721   | 793  | 1,906      | 2,118 | 2,330 | 881         | 927   | 973   | 2,787                 | 3,045 | 3,303  |
| 2027-28     | 673        | 748   | 822  | 649        | 721   | 793  | 665        | 739   | 813  | 1,987      | 2,208 | 2,428 | 863         | 908   | 953   | 2,850                 | 3,116 | 3,381  |
| 2028-29     | 708        | 787   | 866  | 627        | 697   | 767  | 673        | 747   | 822  | 2,008      | 2,232 | 2,455 | 911         | 959   | 1,007 | 2,919                 | 3,191 | 3,462  |
| 2029-30     | 725        | 805   | 886  | 673        | 748   | 822  | 669        | 743   | 818  | 2,067      | 2,296 | 2,526 | 922         | 970   | 1,019 | 2,989                 | 3,266 | 3,545  |
| 2030-31     | 702        | 780   | 858  | 733        | 814   | 896  | 679        | 754   | 830  | 2,114      | 2,348 | 2,584 | 944         | 994   | 1,044 | 3,058                 | 3,342 | 3,628  |
| 2031-32     | 712        | 791   | 870  | 772        | 858   | 943  | 657        | 730   | 803  | 2,141      | 2,378 | 2,616 | 980         | 1,032 | 1,084 | 3,121                 | 3,410 | 3,700  |
| 2032-33     | 709        | 788   | 866  | 788        | 876   | 963  | 705        | 783   | 861  | 2,202      | 2,446 | 2,690 | 949         | 999   | 1,049 | 3,151                 | 3,445 | 3,739  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-2 |       |     | Grades 3-5 |       |     | Grades 6-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 646        |       |     | 684        |       |     | 676        |       |     | 2,006      |       |       | 946         |       |       | 2,952                 |       |       |
| 2023-24     | 634        | 653   | 673 | 669        | 690   | 711 | 636        | 655   | 675 | 1,939      | 1,999 | 2,059 | 932         | 961   | 990   | 2,871                 | 2,960 | 3,049 |
| 2024-25     | 644        | 664   | 683 | 686        | 707   | 729 | 657        | 678   | 698 | 1,987      | 2,048 | 2,110 | 917         | 945   | 973   | 2,904                 | 2,993 | 3,083 |
| 2025-26     | 622        | 641   | 661 | 691        | 712   | 734 | 693        | 714   | 735 | 2,006      | 2,068 | 2,130 | 925         | 954   | 983   | 2,931                 | 3,022 | 3,113 |
| 2026-27     | 666        | 687   | 708 | 689        | 710   | 732 | 700        | 721   | 743 | 2,055      | 2,118 | 2,183 | 899         | 927   | 955   | 2,954                 | 3,045 | 3,138 |
| 2027-28     | 725        | 748   | 770 | 700        | 721   | 743 | 717        | 739   | 762 | 2,142      | 2,208 | 2,275 | 881         | 908   | 935   | 3,023                 | 3,116 | 3,210 |
| 2028-29     | 763        | 787   | 811 | 676        | 697   | 718 | 725        | 747   | 770 | 2,164      | 2,232 | 2,299 | 930         | 959   | 988   | 3,094                 | 3,191 | 3,287 |
| 2029-30     | 781        | 805   | 829 | 725        | 748   | 770 | 721        | 743   | 765 | 2,227      | 2,296 | 2,364 | 941         | 970   | 999   | 3,168                 | 3,266 | 3,363 |
| 2030-31     | 756        | 780   | 803 | 790        | 814   | 839 | 732        | 754   | 777 | 2,278      | 2,348 | 2,419 | 964         | 994   | 1,024 | 3,242                 | 3,342 | 3,443 |
| 2031-32     | 767        | 791   | 814 | 832        | 858   | 883 | 708        | 730   | 752 | 2,307      | 2,378 | 2,449 | 1,001       | 1,032 | 1,063 | 3,308                 | 3,410 | 3,512 |
| 2032-33     | 764        | 788   | 811 | 849        | 876   | 902 | 759        | 783   | 806 | 2,372      | 2,446 | 2,519 | 969         | 999   | 1,029 | 3,341                 | 3,445 | 3,548 |

**Notes:** Enrollment data contains all resident students and excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 11**

**Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT**

| School Year | Resident Students Attending District Schools |           |           |           |            |            | NON-Resident Students at District Schools |           |           |           |            |            | Total ALL Attending Students |           |           |           |            |            |
|-------------|--|-----------|-----------|-----------|------------|------------|---|-----------|-----------|-----------|------------|------------|------------------------------|-----------|-----------|-----------|------------|------------|
|             | Total K-2                                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                                 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
| Historical  |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2012-13     | 624  | 742       | 805       | 2,171     | 1,053      | 3,224      | 0   | 1         | 0         | 1         | 0          | 0          | 624                          | 743       | 805       | 2,172     | 1,053      | 3,224      |
| 2013-14     | 628  | 703       | 783       | 2,114     | 1,028      | 3,142      | 0   | 0         | 1         | 1         | 1          | 1          | 628                          | 703       | 784       | 2,115     | 1,029      | 3,143      |
| 2014-15     | 617  | 696       | 799       | 2,112     | 998        | 3,110      | 0   | 1         | 0         | 1         | 0          | 0          | 617                          | 697       | 799       | 2,113     | 998        | 3,110      |
| 2015-16     | 581  | 639       | 746       | 1,966     | 1,021      | 2,987      | 0   | 0         | 1         | 1         | 1          | 1          | 581                          | 639       | 747       | 1,967     | 1,022      | 2,988      |
| 2016-17     | 585  | 670       | 715       | 1,970     | 994        | 2,964      | 0   | 0         | 1         | 1         | 1          | 1          | 585                          | 670       | 716       | 1,971     | 995        | 2,965      |
| 2017-18     | 566  | 675       | 717       | 1,958     | 975        | 2,933      | 1   | 0         | 0         | 1         | 4          | 5          | 567                          | 675       | 717       | 1,959     | 979        | 2,938      |
| 2018-19     | 608  | 660       | 673       | 1,941     | 1,001      | 2,942      | 1   | 1         | 2         | 4         | 2          | 3          | 609                          | 661       | 675       | 1,945     | 1,003      | 2,945      |
| 2019-20     | 649  | 663       | 694       | 2,006     | 987        | 2,993      | 2   | 1         | 2         | 5         | 1          | 3          | 651                          | 664       | 696       | 2,011     | 988        | 2,996      |
| 2020-21     | 606  | 611       | 709       | 1,926     | 941        | 2,867      | 0   | 3         | 2         | 5         | 2          | 2          | 606                          | 614       | 711       | 1,931     | 943        | 2,869      |
| 2021-22     | 629  | 627       | 701       | 1,957     | 910        | 2,867      | 2   | 2         | 1         | 5         | 2          | 4          | 631                          | 629       | 702       | 1,962     | 912        | 2,871      |
| 2022-23     | 639  | 675       | 669       | 1,983     | 908        | 2,891      | 1   | 2         | 2         | 5         | 2          | 3          | 640                          | 677       | 671       | 1,988     | 910        | 2,894      |
| Projected   |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2023-24     | 646  | 684       | 646       | 1,976     | 920        | 2,896      | 1   | 1         | 1         | 3         | 2          | 5          | 647                          | 685       | 647       | 1,979     | 922        | 2,901      |
| 2024-25     | 656  | 701       | 668       | 2,025     | 905        | 2,930      | 1   | 1         | 1         | 3         | 2          | 5          | 657                          | 702       | 669       | 2,028     | 907        | 2,935      |
| 2025-26     | 634  | 706       | 704       | 2,044     | 914        | 2,958      | 1   | 1         | 1         | 3         | 2          | 5          | 635                          | 707       | 705       | 2,047     | 916        | 2,963      |
| 2026-27     | 679  | 704       | 711       | 2,094     | 888        | 2,982      | 2   | 1         | 1         | 4         | 2          | 6          | 681                          | 705       | 712       | 2,098     | 890        | 2,988      |
| 2027-28     | 739  | 715       | 729       | 2,183     | 870        | 3,053      | 2   | 1         | 1         | 4         | 2          | 6          | 741                          | 716       | 730       | 2,187     | 872        | 3,059      |
| 2028-29     | 778  | 691       | 737       | 2,206     | 919        | 3,125      | 2   | 1         | 1         | 4         | 2          | 6          | 780                          | 692       | 738       | 2,210     | 921        | 3,131      |
| 2029-30     | 796  | 741       | 733       | 2,270     | 929        | 3,199      | 2   | 1         | 1         | 4         | 2          | 6          | 798                          | 742       | 734       | 2,274     | 931        | 3,205      |
| 2030-31     | 771  | 807       | 744       | 2,322     | 952        | 3,274      | 2   | 1         | 2         | 5         | 2          | 7          | 773                          | 808       | 746       | 2,327     | 954        | 3,281      |
| 2031-32     | 782  | 850       | 720       | 2,352     | 989        | 3,341      | 2   | 2         | 1         | 5         | 2          | 7          | 784                          | 852       | 721       | 2,357     | 991        | 3,348      |
| 2032-33     | 779  | 868       | 772       | 2,419     | 958        | 3,377      | 2   | 2         | 2         | 6         | 2          | 8          | 781                          | 870       | 774       | 2,425     | 960        | 3,385      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

### Appendix Table 11 - Alternative Grade Groups

#### Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT

| School Year | Total ALL Attending Students |           |           |           |            |            |           |           |           |           |            |            |  |
|-------------|------------------------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|------------|------------|--|
|             | Total K-2                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-3 | Total 4-6 | Total 7-8 | Total K-8 | Total 9-12 | Total K-12 |  |
| Historical  |                              |           |           |           |            |            |           |           |           |           |            |            |  |
| 2012-13     | 624                          | 743       | 805       | 2,172     | 1,053      | 3,224      | 865       | 788       | 519       | 2,172     | 1,053      | 3,224      |  |
| 2013-14     | 628                          | 703       | 784       | 2,115     | 1,029      | 3,143      | 839       | 759       | 517       | 2,115     | 1,029      | 3,143      |  |
| 2014-15     | 617                          | 697       | 799       | 2,113     | 998        | 3,110      | 840       | 721       | 552       | 2,113     | 998        | 3,110      |  |
| 2015-16     | 581                          | 639       | 747       | 1,967     | 1,022      | 2,988      | 780       | 680       | 507       | 1,967     | 1,022      | 2,988      |  |
| 2016-17     | 585                          | 670       | 716       | 1,971     | 995        | 2,965      | 823       | 656       | 492       | 1,971     | 995        | 2,965      |  |
| 2017-18     | 567                          | 675       | 717       | 1,959     | 979        | 2,938      | 798       | 672       | 489       | 1,959     | 975        | 2,938      |  |
| 2018-19     | 609                          | 661       | 675       | 1,945     | 1,003      | 2,945      | 797       | 682       | 466       | 1,945     | 1,003      | 2,945      |  |
| 2019-20     | 651                          | 664       | 696       | 2,011     | 988        | 2,996      | 869       | 698       | 444       | 2,011     | 989        | 2,996      |  |
| 2020-21     | 606                          | 614       | 711       | 1,931     | 943        | 2,869      | 801       | 664       | 466       | 1,931     | 943        | 2,869      |  |
| 2021-22     | 631                          | 629       | 702       | 1,962     | 912        | 2,871      | 835       | 635       | 492       | 1,962     | 911        | 2,871      |  |
| 2022-23     | 640                          | 677       | 671       | 1,988     | 910        | 2,894      | 879       | 660       | 449       | 1,988     | 910        | 2,894      |  |
| Projected   |                              |           |           |           |            |            |           |           |           |           |            |            |  |
| 2023-24     | 647                          | 685       | 647       | 1,979     | 922        | 2,901      | 858       | 694       | 425       | 1,978     | 921        | 2,900      |  |
| 2024-25     | 657                          | 702       | 669       | 2,028     | 907        | 2,935      | 884       | 703       | 440       | 2,027     | 906        | 2,934      |  |
| 2025-26     | 635                          | 707       | 705       | 2,047     | 916        | 2,963      | 880       | 720       | 446       | 2,046     | 915        | 2,962      |  |
| 2026-27     | 681                          | 705       | 712       | 2,098     | 890        | 2,988      | 890       | 726       | 483       | 2,098     | 888        | 2,988      |  |
| 2027-28     | 741                          | 716       | 730       | 2,187     | 872        | 3,059      | 980       | 724       | 484       | 2,187     | 871        | 3,059      |  |
| 2028-29     | 780                          | 692       | 738       | 2,210     | 921        | 3,131      | 1,002     | 735       | 472       | 2,209     | 921        | 3,131      |  |
| 2029-30     | 798                          | 742       | 734       | 2,274     | 931        | 3,205      | 1,055     | 711       | 506       | 2,272     | 930        | 3,203      |  |
| 2030-31     | 773                          | 808       | 746       | 2,327     | 954        | 3,281      | 1,078     | 761       | 488       | 2,327     | 955        | 3,281      |  |
| 2031-32     | 784                          | 852       | 721       | 2,357     | 991        | 3,348      | 1,045     | 831       | 481       | 2,356     | 990        | 3,347      |  |
| 2032-33     | 781                          | 870       | 774       | 2,425     | 960        | 3,385      | 1,056     | 874       | 495       | 2,425     | 960        | 3,385      |  |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 12**  
**Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-2 |       |      | Grades 3-5 |       |      | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 640        |       |      | 677        |       |      | 671        |       |      | 1,988      |       |       | 910         |       |       | 2,894                 |       |        |
| 2023-24     | 582        | 647   | 712  | 617        | 685   | 754  | 582        | 647   | 712  | 1,781      | 1,979 | 2,178 | 876         | 922   | 968   | 2,657                 | 2,901 | 3,146  |
| 2024-25     | 591        | 657   | 723  | 632        | 702   | 772  | 602        | 669   | 736  | 1,825      | 2,028 | 2,231 | 862         | 907   | 952   | 2,687                 | 2,935 | 3,183  |
| 2025-26     | 572        | 635   | 699  | 636        | 707   | 778  | 635        | 705   | 776  | 1,843      | 2,047 | 2,253 | 870         | 916   | 962   | 2,713                 | 2,963 | 3,215  |
| 2026-27     | 613        | 681   | 749  | 635        | 705   | 776  | 641        | 712   | 783  | 1,889      | 2,098 | 2,308 | 846         | 890   | 935   | 2,735                 | 2,988 | 3,243  |
| 2027-28     | 667        | 741   | 815  | 644        | 716   | 788  | 657        | 730   | 803  | 1,968      | 2,187 | 2,406 | 828         | 872   | 916   | 2,796                 | 3,059 | 3,322  |
| 2028-29     | 702        | 780   | 858  | 623        | 692   | 761  | 664        | 738   | 812  | 1,989      | 2,210 | 2,431 | 875         | 921   | 967   | 2,864                 | 3,131 | 3,398  |
| 2029-30     | 718        | 798   | 878  | 668        | 742   | 816  | 661        | 734   | 807  | 2,047      | 2,274 | 2,501 | 884         | 931   | 978   | 2,931                 | 3,205 | 3,479  |
| 2030-31     | 696        | 773   | 850  | 727        | 808   | 889  | 671        | 746   | 821  | 2,094      | 2,327 | 2,560 | 906         | 954   | 1,002 | 3,000                 | 3,281 | 3,562  |
| 2031-32     | 706        | 784   | 862  | 767        | 852   | 937  | 649        | 721   | 793  | 2,122      | 2,357 | 2,592 | 941         | 991   | 1,041 | 3,063                 | 3,348 | 3,633  |
| 2032-33     | 703        | 781   | 859  | 783        | 870   | 957  | 697        | 774   | 851  | 2,183      | 2,425 | 2,667 | 912         | 960   | 1,008 | 3,095                 | 3,385 | 3,675  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-2 |       |     | Grades 3-5 |       |     | Grades 6-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 640        |       |     | 677        |       |     | 671        |       |     | 1,988      |       |       | 910         |       |       | 2,894                 |       |       |
| 2023-24     | 628        | 647   | 666 | 664        | 685   | 706 | 628        | 647   | 666 | 1,920      | 1,979 | 2,038 | 894         | 922   | 950   | 2,814                 | 2,901 | 2,988 |
| 2024-25     | 637        | 657   | 677 | 681        | 702   | 723 | 649        | 669   | 689 | 1,967      | 2,028 | 2,089 | 880         | 907   | 934   | 2,847                 | 2,935 | 3,023 |
| 2025-26     | 616        | 635   | 654 | 686        | 707   | 728 | 684        | 705   | 726 | 1,986      | 2,047 | 2,108 | 889         | 916   | 943   | 2,875                 | 2,963 | 3,051 |
| 2026-27     | 661        | 681   | 701 | 684        | 705   | 726 | 691        | 712   | 733 | 2,036      | 2,098 | 2,160 | 863         | 890   | 917   | 2,899                 | 2,988 | 3,077 |
| 2027-28     | 719        | 741   | 763 | 695        | 716   | 737 | 708        | 730   | 752 | 2,122      | 2,187 | 2,252 | 846         | 872   | 898   | 2,968                 | 3,059 | 3,150 |
| 2028-29     | 757        | 780   | 803 | 671        | 692   | 713 | 716        | 738   | 760 | 2,144      | 2,210 | 2,276 | 893         | 921   | 949   | 3,037                 | 3,131 | 3,225 |
| 2029-30     | 774        | 798   | 822 | 720        | 742   | 764 | 712        | 734   | 756 | 2,206      | 2,274 | 2,342 | 903         | 931   | 959   | 3,109                 | 3,205 | 3,301 |
| 2030-31     | 750        | 773   | 796 | 784        | 808   | 832 | 724        | 746   | 768 | 2,258      | 2,327 | 2,396 | 925         | 954   | 983   | 3,183                 | 3,281 | 3,379 |
| 2031-32     | 760        | 784   | 808 | 826        | 852   | 878 | 699        | 721   | 743 | 2,285      | 2,357 | 2,429 | 961         | 991   | 1,021 | 3,246                 | 3,348 | 3,450 |
| 2032-33     | 758        | 781   | 804 | 844        | 870   | 896 | 751        | 774   | 797 | 2,353      | 2,425 | 2,497 | 931         | 960   | 989   | 3,284                 | 3,385 | 3,486 |

**Notes:** Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 12 - Alternative Grade Groups**  
**Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Best Fit Model +COVID ADJUSTMENT**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |      | Grades 7-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|-------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10%  | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 879        |       |       | 660        |       |      | 449        |       |      | 1,988      |       |       | 910         |       |       | 2,894                 |       |        |
| 2023-24     | 773        | 858   | 944   | 625        | 694   | 764  | 383        | 425   | 468  | 1,781      | 1,978 | 2,176 | 876         | 922   | 968   | 2,657                 | 2,900 | 3,144  |
| 2024-25     | 796        | 884   | 973   | 633        | 703   | 773  | 396        | 440   | 484  | 1,825      | 2,027 | 2,230 | 862         | 907   | 952   | 2,687                 | 2,934 | 3,182  |
| 2025-26     | 792        | 880   | 968   | 648        | 720   | 792  | 402        | 446   | 491  | 1,842      | 2,046 | 2,251 | 870         | 916   | 962   | 2,712                 | 2,962 | 3,213  |
| 2026-27     | 801        | 890   | 979   | 653        | 726   | 798  | 434        | 483   | 531  | 1,888      | 2,098 | 2,308 | 846         | 890   | 935   | 2,734                 | 2,988 | 3,243  |
| 2027-28     | 882        | 980   | 1,078 | 651        | 724   | 796  | 435        | 484   | 532  | 1,968      | 2,187 | 2,406 | 828         | 872   | 916   | 2,796                 | 3,059 | 3,322  |
| 2028-29     | 902        | 1,002 | 1,102 | 662        | 735   | 809  | 425        | 472   | 519  | 1,989      | 2,209 | 2,430 | 875         | 921   | 967   | 2,864                 | 3,130 | 3,397  |
| 2029-30     | 949        | 1,055 | 1,160 | 640        | 711   | 782  | 456        | 506   | 557  | 2,045      | 2,272 | 2,499 | 884         | 931   | 978   | 2,929                 | 3,203 | 3,477  |
| 2030-31     | 970        | 1,078 | 1,186 | 685        | 761   | 837  | 439        | 488   | 536  | 2,094      | 2,327 | 2,559 | 906         | 954   | 1,002 | 3,000                 | 3,281 | 3,561  |
| 2031-32     | 940        | 1,045 | 1,149 | 748        | 831   | 914  | 433        | 481   | 529  | 2,121      | 2,356 | 2,592 | 941         | 991   | 1,041 | 3,062                 | 3,347 | 3,633  |
| 2032-33     | 950        | 1,056 | 1,162 | 787        | 874   | 961  | 446        | 495   | 545  | 2,183      | 2,425 | 2,668 | 912         | 960   | 1,008 | 3,095                 | 3,385 | 3,676  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |     | Grades 7-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-------|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3%   | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 879        |       |       | 660        |       |     | 449        |       |     | 1,988      |       |       | 910         |       |       | 2,894                 |       |       |
| 2023-24     | 833        | 858   | 884   | 673        | 694   | 715 | 412        | 425   | 438 | 1,918      | 1,978 | 2,037 | 894         | 922   | 950   | 2,812                 | 2,900 | 2,987 |
| 2024-25     | 858        | 884   | 911   | 682        | 703   | 724 | 426        | 440   | 453 | 1,966      | 2,027 | 2,088 | 880         | 907   | 934   | 2,846                 | 2,934 | 3,022 |
| 2025-26     | 853        | 880   | 906   | 699        | 720   | 742 | 433        | 446   | 460 | 1,985      | 2,046 | 2,108 | 889         | 916   | 943   | 2,874                 | 2,962 | 3,051 |
| 2026-27     | 863        | 890   | 916   | 704        | 726   | 748 | 468        | 483   | 497 | 2,035      | 2,098 | 2,161 | 863         | 890   | 917   | 2,898                 | 2,988 | 3,078 |
| 2027-28     | 950        | 980   | 1,009 | 702        | 724   | 746 | 469        | 484   | 498 | 2,121      | 2,187 | 2,253 | 846         | 872   | 898   | 2,967                 | 3,059 | 3,151 |
| 2028-29     | 972        | 1,002 | 1,032 | 713        | 735   | 758 | 458        | 472   | 486 | 2,143      | 2,209 | 2,276 | 893         | 921   | 949   | 3,036                 | 3,130 | 3,225 |
| 2029-30     | 1,023      | 1,055 | 1,086 | 690        | 711   | 733 | 491        | 506   | 522 | 2,204      | 2,272 | 2,341 | 903         | 931   | 959   | 3,107                 | 3,203 | 3,300 |
| 2030-31     | 1,046      | 1,078 | 1,110 | 738        | 761   | 784 | 473        | 488   | 502 | 2,257      | 2,327 | 2,396 | 925         | 954   | 983   | 3,182                 | 3,281 | 3,379 |
| 2031-32     | 1,014      | 1,045 | 1,076 | 806        | 831   | 856 | 466        | 481   | 495 | 2,286      | 2,356 | 2,427 | 961         | 991   | 1,021 | 3,247                 | 3,347 | 3,448 |
| 2032-33     | 1,024      | 1,056 | 1,088 | 848        | 874   | 900 | 480        | 495   | 510 | 2,352      | 2,425 | 2,498 | 931         | 960   | 989   | 3,283                 | 3,385 | 3,487 |

**Notes:** Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting



**Appendix Table 13**

**Entering Class to Births Ratio Worksheet - Scarborough Resident Students - 2022-23 Housing Impact Model**

| Oct 15-Oct 14 Births                                  | Number Births | KG Year   | KG Class Size | 1st Grade Year     | 1st Class Size | Ratio 1st/Birth  | Ratio 1st/K | Proj. 1st Grade | Net Preschool Migration |
|---|---------------|---|---------------|--------------------|----------------|------------------|-------------|-----------------|-------------------------|
| 2006-07   | 135           | 10/12   | 202           | 10/13              | 199            | 1.474            | 0.985       |                 | 64                      |
| 2007-08   | 142           | 10/13   | 204           | 10/14              | 212            | 1.493            | 1.039       |                 | 70                      |
| 2008-09   | 138           | 10/14   | 207           | 10/15              | 209            | 1.514            | 1.010       |                 | 71                      |
| 2009-10   | 129           | 10/15   | 156           | 10/16              | 173            | 1.341            | 1.109       |                 | 44                      |
| 2010-11   | 135           | 10/16   | 193           | 10/17              | 199            | 1.474            | 1.031       |                 | 64                      |
| 2011-12   | 129           | 10/17   | 186           | 10/18              | 187            | 1.450            | 1.005       |                 | 58                      |
| 2012-13   | 150           | 10/18   | 209           | 10/19              | 223            | 1.487            | 1.067       |                 | 73                      |
| 2013-14   | 167           | 10/19   | 238           | 10/20              | 221            | 1.323            | 0.929       |                 | 54                      |
| 2014-15   | 158           | 10/20   | 179           | 10/21              | 195            | 1.234            | 1.089       |                 | 37                      |
| 2015-16   | 157           | 10/21   | 199           | 10/22              | 213            | 1.357            | 1.070       |                 | 56                      |
| 2016-17   | 138           | 10/22   | 218           | 10/23              |                | 1.675            | 1.060       | 231             | 93                      |
| 2017-18   | 142           | 10/23   |               | 10/24              |                | 1.392            |             | 198             | 56                      |
| 2018-19   | 162           | 10/24   |               | 10/25              |                | 1.391            |             | 225             | 63                      |
| 2019-20   | 151           | 10/25   |               | 10/26              |                | 1.392            |             | 210             | 59                      |
| 2020-21   | 174           | 10/26   |               | 10/27              |                | 1.390            |             | 242             | 68                      |
| 2021-22*  | 207           | 10/27   |               | 10/28              |                | 1.389            |             | 287             | 80                      |
| 2022-23 est   | 177           | 10/28   |               | 10/29              |                | 1.390            |             | 247             | 69                      |
| 2023-24 est   | 186           | 10/29   |               | 10/30              |                | 1.390            |             | 259             | 73                      |
| 2024-25 est   | 190           | 10/30   |               | 10/31              |                | 1.389            |             | 264             | 74                      |
| 2025-26 est   | 185           | 10/31   |               | 10/32              |                | 1.390            |             | 256             | 72                      |
| 10yr Total (07-16)                                    | 1,440         | 10yr Total (12-21)  | 1,973         | 10yr Total (13-22) | 2,031          | 1.410            | 1.029       | Last 10yr       | 59.1                    |
| 10yr Avg (07-16)                                      | 144           | 10yr Avg (12-21)  | 197           | 10yr Avg (13-22)   | 203            | 1.415            | 1.029       | Last 5yr        | 55.6                    |
| 5yr Avg (18-22)                                       | 167           |   |               |                    |                |                  |             | Last 3yr        | 49.0                    |
| 5yr Max (18-22)                                       | 207           |   |               |                    |                |                  |             | Proj.           | 70.7                    |
| 5yr Min (18-22)                                       | 142           |   |               |                    |                |                  |             |                 |                         |
| 3 yr Avg (20-22)                                      | 177           |   |               |                    |                |                  |             |                 |                         |
| 2 yr Avg (21-22)                                      | 191           |   |               |                    |                |                  |             |                 |                         |
| <b>First Grade to Births Correlation Coefficients</b> |               | <b>First Grade to Kindergarten Correlation Coefficients</b> |               |                    |                |                  |             |                 |                         |
| 10 YEAR   | 0.676         | 10 YEAR   | 0.885         |                    |                |                  |             |                 |                         |
| 9 YEAR  | 0.677         | 9 YEAR  | 0.898         |                    |                |                  |             |                 |                         |
| 8 YEAR  | 0.708         | 8 YEAR  | 0.898         |                    |                |                  |             |                 |                         |
| 7 YEAR  | 0.764         | 7 YEAR  | 0.896         |                    |                |                  |             |                 |                         |
| 6 YEAR  | 0.668         | 6 YEAR  | 0.811         |                    |                |                  |             |                 |                         |
| 5 YEAR  | 0.648         | 5 YEAR  | 0.804         |                    |                |                  |             |                 |                         |
| 4 YEAR  | -0.030        | 4 YEAR  | 0.821         |                    |                |                  |             |                 |                         |
| 3 YEAR  | 0.673         | 3 YEAR  | 0.920         |                    |                |                  |             |                 |                         |
|   |               |   |               |                    |                | <b>Ratios</b>    |             |                 |                         |
|   |               |   |               |                    |                | <b>1st/Birth</b> |             | <b>1st/K</b>    |                         |
|   |               |   |               |                    |                | Avg last 10      | 1.415       | 1.033           |                         |
|   |               |   |               |                    |                | Avg last 9       | 1.408       | 1.039           |                         |
|   |               |   |               |                    |                | Avg last 8       | 1.398       | 1.039           |                         |
|   |               |   |               |                    |                | Avg last 7       | 1.381       | 1.043           |                         |
|   |               |   |               |                    |                | Avg last 6       | 1.388       | 1.032           |                         |
|   |               |   |               |                    |                | Avg last 5       | 1.370       | 1.032           |                         |
|   |               |   |               |                    |                | Avg last 4       | 1.350       | 1.039           |                         |
|   |               |   |               |                    |                | Avg last 3       | 1.305       | 1.029           |                         |
|   |               |   |               |                    |                | 10yr Weighted    | 1.384       | 1.038           |                         |
|   |               |   |               |                    |                | 5yr Weighted     | 1.341       | 1.042           |                         |
|   |               |   |               |                    |                | 3yr Weighted     | 1.310       | 1.053           |                         |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... \*2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year weighted ratio of first grade to Kindergarten.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 14**

**Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact Model**

| School Year       | K   | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----------|-----------|-----------|-----------|------------|------------|
| <b>Historical</b> |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2012-13           | 202 | 206 | 216 | 241 | 240 | 261 | 286 | 243 | 276 | 253 | 242  | 278  | 280  | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      |
| 2013-14           | 204 | 199 | 225 | 211 | 252 | 240 | 267 | 282 | 234 | 255 | 249  | 241  | 283  | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      |
| 2014-15           | 207 | 212 | 198 | 223 | 223 | 250 | 247 | 263 | 289 | 226 | 258  | 260  | 254  | 617       | 696       | 799       | 2,112     | 998        | 3,110      |
| 2015-16           | 156 | 209 | 216 | 199 | 222 | 218 | 240 | 244 | 262 | 263 | 228  | 259  | 271  | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      |
| 2016-17           | 193 | 173 | 219 | 238 | 206 | 226 | 224 | 247 | 244 | 249 | 261  | 227  | 257  | 585       | 670       | 715       | 1,970     | 994        | 2,964      |
| 2017-18           | 186 | 199 | 181 | 231 | 238 | 206 | 228 | 238 | 251 | 230 | 250  | 257  | 238  | 566       | 675       | 717       | 1,958     | 975        | 2,933      |
| 2018-19           | 209 | 187 | 212 | 188 | 237 | 235 | 209 | 228 | 236 | 247 | 238  | 250  | 266  | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      |
| 2019-20           | 238 | 223 | 188 | 218 | 203 | 242 | 252 | 213 | 229 | 237 | 251  | 243  | 256  | 649       | 663       | 694       | 2,006     | 987        | 2,993      |
| 2020-21           | 179 | 221 | 206 | 195 | 207 | 209 | 245 | 253 | 211 | 214 | 228  | 253  | 246  | 606       | 611       | 709       | 1,926     | 941        | 2,867      |
| 2021-22           | 199 | 195 | 235 | 204 | 210 | 213 | 210 | 246 | 245 | 207 | 222  | 227  | 254  | 629       | 627       | 701       | 1,957     | 910        | 2,867      |
| 2022-23           | 218 | 213 | 208 | 239 | 218 | 218 | 222 | 207 | 240 | 240 | 211  | 222  | 235  | 639       | 675       | 669       | 1,983     | 908        | 2,891      |
| <b>Projected</b>  |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2023-24           | 194 | 231 | 224 | 214 | 248 | 226 | 224 | 223 | 204 | 239 | 248  | 213  | 227  | 649       | 688       | 651       | 1,988     | 927        | 2,915      |
| 2024-25           | 221 | 198 | 243 | 231 | 222 | 257 | 232 | 225 | 219 | 203 | 247  | 250  | 218  | 662       | 710       | 676       | 2,048     | 918        | 2,966      |
| 2025-26           | 206 | 225 | 208 | 250 | 240 | 231 | 263 | 233 | 221 | 218 | 210  | 249  | 256  | 639       | 721       | 717       | 2,077     | 933        | 3,010      |
| 2026-27           | 237 | 210 | 237 | 214 | 260 | 248 | 236 | 264 | 229 | 220 | 226  | 212  | 254  | 684       | 722       | 729       | 2,135     | 912        | 3,047      |
| 2027-28           | 281 | 242 | 221 | 244 | 223 | 269 | 254 | 237 | 260 | 228 | 227  | 228  | 217  | 744       | 736       | 751       | 2,231     | 900        | 3,131      |
| 2028-29           | 241 | 287 | 254 | 228 | 253 | 231 | 275 | 255 | 234 | 258 | 235  | 229  | 233  | 782       | 712       | 764       | 2,258     | 955        | 3,213      |
| 2029-30           | 253 | 247 | 302 | 262 | 236 | 262 | 237 | 276 | 251 | 232 | 267  | 237  | 235  | 802       | 760       | 764       | 2,326     | 971        | 3,297      |
| 2030-31           | 258 | 259 | 259 | 310 | 271 | 245 | 269 | 238 | 271 | 249 | 240  | 269  | 243  | 776       | 826       | 778       | 2,380     | 1,001      | 3,381      |
| 2031-32           | 251 | 264 | 272 | 266 | 322 | 281 | 251 | 269 | 234 | 270 | 258  | 242  | 275  | 787       | 869       | 754       | 2,410     | 1,045      | 3,455      |
| 2032-33           | 251 | 256 | 278 | 279 | 276 | 333 | 288 | 252 | 265 | 232 | 279  | 260  | 248  | 785       | 888       | 805       | 2,478     | 1,019      | 3,497      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 14 - Alternative Grade Groups   |           |           |           |           |            |            |  |           |           |           |           |            |            |
|--|-----------|-----------|-----------|-----------|------------|------------|--|-----------|-----------|-----------|-----------|------------|------------|
| Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact Model |           |           |           |           |            |            |  |           |           |           |           |            |            |
| School Year  | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |  | Total K-3 | Total 4-6 | Total 7-8 | Total K-8 | Total 9-12 | Total K-12 |
| Historical   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2012-13  | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      |  | 865       | 787       | 519       | 2,171     | 1,053      | 3,224      |
| 2013-14  | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      |  | 839       | 759       | 516       | 2,114     | 1,028      | 3,142      |
| 2014-15  | 617       | 696       | 799       | 2,112     | 998        | 3,110      |  | 840       | 720       | 552       | 2,112     | 998        | 3,110      |
| 2015-16  | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      |  | 780       | 680       | 506       | 1,966     | 1,021      | 2,987      |
| 2016-17  | 585       | 670       | 715       | 1,970     | 994        | 2,964      |  | 823       | 656       | 491       | 1,970     | 994        | 2,964      |
| 2017-18  | 566       | 675       | 717       | 1,958     | 975        | 2,933      |  | 797       | 672       | 489       | 1,958     | 975        | 2,933      |
| 2018-19  | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      |  | 796       | 681       | 464       | 1,941     | 1,001      | 2,942      |
| 2019-20  | 649       | 663       | 694       | 2,006     | 987        | 2,993      |  | 867       | 697       | 442       | 2,006     | 987        | 2,993      |
| 2020-21  | 606       | 611       | 709       | 1,926     | 941        | 2,867      |  | 801       | 661       | 464       | 1,926     | 941        | 2,867      |
| 2021-22  | 629       | 627       | 701       | 1,957     | 910        | 2,867      |  | 833       | 633       | 491       | 1,957     | 910        | 2,867      |
| 2022-23  | 639       | 675       | 669       | 1,983     | 908        | 2,891      |  | 878       | 658       | 447       | 1,983     | 908        | 2,891      |
| Projected  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2023-24  | 649       | 688       | 650       | 1,988     | 927        | 2,915      |  | 863       | 698       | 427       | 1,988     | 927        | 2,915      |
| 2024-25  | 661       | 710       | 676       | 2,047     | 918        | 2,965      |  | 892       | 711       | 444       | 2,047     | 918        | 2,965      |
| 2025-26  | 639       | 720       | 717       | 2,077     | 933        | 3,009      |  | 889       | 733       | 454       | 2,077     | 933        | 3,009      |
| 2026-27  | 684       | 722       | 730       | 2,135     | 912        | 3,047      |  | 898       | 744       | 493       | 2,135     | 912        | 3,047      |
| 2027-28  | 744       | 735       | 751       | 2,231     | 900        | 3,130      |  | 988       | 746       | 497       | 2,231     | 900        | 3,130      |
| 2028-29  | 783       | 712       | 764       | 2,259     | 956        | 3,214      |  | 1,011     | 759       | 489       | 2,259     | 956        | 3,214      |
| 2029-30  | 801       | 760       | 764       | 2,325     | 971        | 3,296      |  | 1,063     | 735       | 527       | 2,325     | 971        | 3,296      |
| 2030-31  | 776       | 826       | 778       | 2,380     | 1,001      | 3,381      |  | 1,086     | 785       | 509       | 2,380     | 1,001      | 3,381      |
| 2031-32  | 787       | 869       | 754       | 2,410     | 1,044      | 3,454      |  | 1,053     | 854       | 503       | 2,410     | 1,044      | 3,454      |
| 2032-33  | 785       | 888       | 805       | 2,478     | 1,018      | 3,496      |  | 1,064     | 897       | 517       | 2,478     | 1,018      | 3,496      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 15**  
**Enrollment Trends & Projections - Scarborough Resident Enrollment - 2022-23 Housing Impact Model**

| School Year       | Resident Students Attending District Schools |           |           |           |            |            | Resident Students at NON-District Schools |           |           |           |            |            | Total ALL Scarborough Students |           |           |           |
|-------------------|--|-----------|-----------|-----------|------------|------------|---|-----------|-----------|-----------|------------|------------|--------------------------------|-----------|-----------|-----------|
|                   | Total K-2                                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                                 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                      | Total 3-5 | Total 6-8 | Total K-8 |
| <b>Historical</b> |  |           |           |           |            |            |   |           |           |           |            |            |                                |           |           |           |
| 2012-13           | 624  | 742       | 805       | 2,171     | 1,053      | 3,224      | 1   | 1         | 0         | 2         | 10         | 12         | 625                            | 743       | 805       | 2,173     |
| 2013-14           | 628  | 703       | 783       | 2,114     | 1,028      | 3,142      | 2   | 2         | 1         | 5         | 12         | 17         | 630                            | 705       | 784       | 2,119     |
| 2014-15           | 617  | 696       | 799       | 2,112     | 998        | 3,110      | 2   | 1         | 3         | 6         | 16         | 22         | 619                            | 697       | 802       | 2,118     |
| 2015-16           | 581  | 639       | 746       | 1,966     | 1,021      | 2,987      | 2   | 1         | 4         | 7         | 32         | 39         | 583                            | 640       | 750       | 1,973     |
| 2016-17           | 585  | 670       | 715       | 1,970     | 994        | 2,964      | 1   | 2         | 2         | 5         | 42         | 47         | 586                            | 672       | 717       | 1,975     |
| 2017-18           | 566  | 675       | 717       | 1,958     | 975        | 2,933      | 4   | 1         | 5         | 10        | 43         | 53         | 570                            | 676       | 722       | 1,968     |
| 2018-19           | 608  | 660       | 673       | 1,941     | 1,001      | 2,942      | 3   | 6         | 3         | 12        | 41         | 53         | 611                            | 666       | 676       | 1,953     |
| 2019-20           | 649  | 663       | 694       | 2,006     | 987        | 2,993      | 5   | 1         | 8         | 14        | 43         | 57         | 654                            | 664       | 702       | 2,020     |
| 2020-21           | 606  | 611       | 709       | 1,926     | 941        | 2,867      | 8   | 2         | 10        | 20        | 46         | 66         | 614                            | 613       | 719       | 1,946     |
| 2021-22           | 629  | 627       | 701       | 1,957     | 910        | 2,867      | 7   | 3         | 10        | 20        | 42         | 62         | 636                            | 630       | 711       | 1,977     |
| 2022-23           | 639  | 675       | 669       | 1,983     | 908        | 2,891      | 7   | 9         | 7         | 23        | 38         | 61         | 646                            | 684       | 676       | 2,006     |
| <b>Projected</b>  |  |           |           |           |            |            |   |           |           |           |            |            |                                |           |           |           |
| 2023-24           | 649  | 688       | 651       | 1,988     | 927        | 2,915      | 7   | 6         | 9         | 23        | 41         | 64         | 656                            | 694       | 660       | 2,011     |
| 2024-25           | 662  | 710       | 676       | 2,048     | 918        | 2,966      | 8   | 6         | 10        | 23        | 40         | 63         | 670                            | 716       | 686       | 2,071     |
| 2025-26           | 639  | 721       | 717       | 2,077     | 933        | 3,010      | 7   | 6         | 10        | 24        | 40         | 64         | 646                            | 727       | 727       | 2,101     |
| 2026-27           | 684  | 722       | 729       | 2,135     | 912        | 3,047      | 8   | 6         | 10        | 24        | 39         | 63         | 692                            | 728       | 739       | 2,159     |
| 2027-28           | 744  | 736       | 751       | 2,231     | 900        | 3,131      | 9   | 6         | 10        | 25        | 38         | 63         | 753                            | 742       | 761       | 2,256     |
| 2028-29           | 782  | 712       | 764       | 2,258     | 955        | 3,213      | 9   | 6         | 10        | 26        | 40         | 66         | 791                            | 718       | 774       | 2,284     |
| 2029-30           | 802  | 760       | 764       | 2,326     | 971        | 3,297      | 9   | 7         | 10        | 26        | 41         | 67         | 811                            | 767       | 774       | 2,352     |
| 2030-31           | 776  | 826       | 778       | 2,380     | 1,001      | 3,381      | 9   | 7         | 10        | 26        | 42         | 68         | 785                            | 833       | 788       | 2,406     |
| 2031-32           | 787  | 869       | 754       | 2,410     | 1,045      | 3,455      | 9   | 8         | 10        | 26        | 43         | 69         | 796                            | 877       | 764       | 2,436     |
| 2032-33           | 785  | 888       | 805       | 2,478     | 1,019      | 3,497      | 9   | 8         | 11        | 27        | 41         | 68         | 794                            | 896       | 816       | 2,505     |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 16**  
**All Scarborough Resident Students - 2022-23 Housing Impact Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-2 |       |      | Grades 3-5 |       |      | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 646        |       |      | 684        |       |      | 676        |       |      | 2,006      |       |       | 946         |       |       | 2,952                 |       |        |
| 2023-24     | 591        | 656   | 722  | 625        | 694   | 764  | 594        | 660   | 726  | 1,810      | 2,011 | 2,212 | 920         | 968   | 1,016 | 2,730                 | 2,979 | 3,228  |
| 2024-25     | 603        | 670   | 737  | 645        | 716   | 788  | 617        | 686   | 754  | 1,865      | 2,071 | 2,279 | 910         | 958   | 1,006 | 2,775                 | 3,029 | 3,285  |
| 2025-26     | 582        | 646   | 711  | 655        | 727   | 800  | 654        | 727   | 800  | 1,891      | 2,101 | 2,311 | 924         | 973   | 1,022 | 2,815                 | 3,074 | 3,333  |
| 2026-27     | 623        | 692   | 761  | 655        | 728   | 801  | 665        | 739   | 813  | 1,943      | 2,159 | 2,375 | 903         | 951   | 999   | 2,846                 | 3,110 | 3,374  |
| 2027-28     | 677        | 753   | 828  | 668        | 742   | 817  | 685        | 761   | 837  | 2,030      | 2,256 | 2,482 | 891         | 938   | 985   | 2,921                 | 3,194 | 3,467  |
| 2028-29     | 712        | 791   | 870  | 646        | 718   | 790  | 697        | 774   | 852  | 2,055      | 2,284 | 2,512 | 945         | 995   | 1,045 | 3,000                 | 3,279 | 3,557  |
| 2029-30     | 730        | 811   | 892  | 690        | 767   | 843  | 697        | 774   | 852  | 2,117      | 2,352 | 2,587 | 961         | 1,012 | 1,063 | 3,078                 | 3,364 | 3,650  |
| 2030-31     | 706        | 785   | 863  | 750        | 833   | 917  | 710        | 788   | 867  | 2,166      | 2,406 | 2,647 | 991         | 1,043 | 1,095 | 3,157                 | 3,449 | 3,742  |
| 2031-32     | 716        | 796   | 875  | 789        | 877   | 964  | 688        | 764   | 841  | 2,193      | 2,436 | 2,680 | 1,034       | 1,088 | 1,142 | 3,227                 | 3,524 | 3,822  |
| 2032-33     | 714        | 794   | 873  | 806        | 896   | 985  | 734        | 816   | 897  | 2,254      | 2,505 | 2,755 | 1,007       | 1,060 | 1,113 | 3,261                 | 3,565 | 3,868  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-2 |       |     | Grades 3-5 |       |     | Grades 6-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 646        |       |     | 684        |       |     | 676        |       |     | 2,006      |       |       | 946         |       |       | 2,952                 |       |       |
| 2023-24     | 637        | 656   | 676 | 673        | 694   | 715 | 640        | 660   | 680 | 1,950      | 2,011 | 2,071 | 939         | 968   | 997   | 2,889                 | 2,979 | 3,068 |
| 2024-25     | 649        | 670   | 690 | 695        | 716   | 738 | 665        | 686   | 706 | 2,009      | 2,071 | 2,134 | 929         | 958   | 987   | 2,938                 | 3,029 | 3,121 |
| 2025-26     | 627        | 646   | 666 | 705        | 727   | 749 | 705        | 727   | 749 | 2,037      | 2,101 | 2,164 | 944         | 973   | 1,002 | 2,981                 | 3,074 | 3,166 |
| 2026-27     | 671        | 692   | 713 | 706        | 728   | 750 | 717        | 739   | 761 | 2,094      | 2,159 | 2,224 | 922         | 951   | 980   | 3,016                 | 3,110 | 3,204 |
| 2027-28     | 730        | 753   | 775 | 720        | 742   | 765 | 738        | 761   | 784 | 2,188      | 2,256 | 2,324 | 910         | 938   | 966   | 3,098                 | 3,194 | 3,290 |
| 2028-29     | 767        | 791   | 815 | 697        | 718   | 740 | 751        | 774   | 798 | 2,215      | 2,284 | 2,353 | 965         | 995   | 1,025 | 3,180                 | 3,279 | 3,378 |
| 2029-30     | 787        | 811   | 835 | 744        | 767   | 790 | 751        | 774   | 797 | 2,282      | 2,352 | 2,422 | 982         | 1,012 | 1,042 | 3,264                 | 3,364 | 3,464 |
| 2030-31     | 761        | 785   | 808 | 808        | 833   | 858 | 765        | 788   | 812 | 2,334      | 2,406 | 2,478 | 1,012       | 1,043 | 1,074 | 3,346                 | 3,449 | 3,552 |
| 2031-32     | 772        | 796   | 820 | 850        | 877   | 903 | 741        | 764   | 787 | 2,363      | 2,436 | 2,510 | 1,055       | 1,088 | 1,121 | 3,418                 | 3,524 | 3,631 |
| 2032-33     | 770        | 794   | 817 | 869        | 896   | 923 | 791        | 816   | 840 | 2,430      | 2,505 | 2,580 | 1,028       | 1,060 | 1,092 | 3,458                 | 3,565 | 3,672 |

**Notes:** Enrollment data contains all resident students and excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 17**

**Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model**

| School Year | Resident Students Attending District Schools |           |           |           |            |            | NON-Resident Students at District Schools |           |           |           |            |            | Total ALL Attending Students |           |           |           |            |            |
|-------------|--|-----------|-----------|-----------|------------|------------|---|-----------|-----------|-----------|------------|------------|------------------------------|-----------|-----------|-----------|------------|------------|
|             | Total K-2                                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                                 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
| Historical  |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2012-13     | 624  | 742       | 805       | 2,171     | 1,053      | 3,224      | 0   | 1         | 0         | 1         | 0          | 0          | 624                          | 743       | 805       | 2,172     | 1,053      | 3,224      |
| 2013-14     | 628  | 703       | 783       | 2,114     | 1,028      | 3,142      | 0   | 0         | 1         | 1         | 1          | 1          | 628                          | 703       | 784       | 2,115     | 1,029      | 3,143      |
| 2014-15     | 617  | 696       | 799       | 2,112     | 998        | 3,110      | 0   | 1         | 0         | 1         | 0          | 0          | 617                          | 697       | 799       | 2,113     | 998        | 3,110      |
| 2015-16     | 581  | 639       | 746       | 1,966     | 1,021      | 2,987      | 0   | 0         | 1         | 1         | 1          | 1          | 581                          | 639       | 747       | 1,967     | 1,022      | 2,988      |
| 2016-17     | 585  | 670       | 715       | 1,970     | 994        | 2,964      | 0   | 0         | 1         | 1         | 1          | 1          | 585                          | 670       | 716       | 1,971     | 995        | 2,965      |
| 2017-18     | 566  | 675       | 717       | 1,958     | 975        | 2,933      | 1   | 0         | 0         | 1         | 4          | 5          | 567                          | 675       | 717       | 1,959     | 979        | 2,938      |
| 2018-19     | 608  | 660       | 673       | 1,941     | 1,001      | 2,942      | 1   | 1         | 2         | 4         | 2          | 3          | 609                          | 661       | 675       | 1,945     | 1,003      | 2,945      |
| 2019-20     | 649  | 663       | 694       | 2,006     | 987        | 2,993      | 2   | 1         | 2         | 5         | 1          | 3          | 651                          | 664       | 696       | 2,011     | 988        | 2,996      |
| 2020-21     | 606  | 611       | 709       | 1,926     | 941        | 2,867      | 0   | 3         | 2         | 5         | 2          | 2          | 606                          | 614       | 711       | 1,931     | 943        | 2,869      |
| 2021-22     | 629  | 627       | 701       | 1,957     | 910        | 2,867      | 2   | 2         | 1         | 5         | 2          | 4          | 631                          | 629       | 702       | 1,962     | 912        | 2,871      |
| 2022-23     | 639  | 675       | 669       | 1,983     | 908        | 2,891      | 1   | 2         | 2         | 5         | 2          | 3          | 640                          | 677       | 671       | 1,988     | 910        | 2,894      |
| Projected   |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2023-24     | 649  | 688       | 651       | 1,988     | 927        | 2,915      | 1   | 1         | 1         | 3         | 2          | 5          | 650                          | 689       | 652       | 1,991     | 929        | 2,920      |
| 2024-25     | 662  | 710       | 676       | 2,048     | 918        | 2,966      | 1   | 1         | 1         | 3         | 2          | 5          | 663                          | 711       | 677       | 2,051     | 920        | 2,971      |
| 2025-26     | 639  | 721       | 717       | 2,077     | 933        | 3,010      | 1   | 1         | 1         | 3         | 2          | 5          | 640                          | 722       | 718       | 2,080     | 935        | 3,015      |
| 2026-27     | 684  | 722       | 729       | 2,135     | 912        | 3,047      | 2   | 1         | 1         | 4         | 2          | 6          | 686                          | 723       | 730       | 2,139     | 914        | 3,053      |
| 2027-28     | 744  | 736       | 751       | 2,231     | 900        | 3,131      | 2   | 1         | 1         | 4         | 2          | 6          | 746                          | 737       | 752       | 2,235     | 902        | 3,137      |
| 2028-29     | 782  | 712       | 764       | 2,258     | 955        | 3,213      | 2   | 1         | 1         | 4         | 2          | 6          | 784                          | 713       | 765       | 2,262     | 957        | 3,219      |
| 2029-30     | 802  | 760       | 764       | 2,326     | 971        | 3,297      | 2   | 1         | 1         | 4         | 2          | 6          | 804                          | 761       | 765       | 2,330     | 973        | 3,303      |
| 2030-31     | 776  | 826       | 778       | 2,380     | 1,001      | 3,381      | 2   | 1         | 2         | 5         | 2          | 7          | 778                          | 827       | 780       | 2,385     | 1,003      | 3,388      |
| 2031-32     | 787  | 869       | 754       | 2,410     | 1,045      | 3,455      | 2   | 2         | 1         | 5         | 2          | 7          | 789                          | 871       | 755       | 2,415     | 1,047      | 3,462      |
| 2032-33     | 785  | 888       | 805       | 2,478     | 1,019      | 3,497      | 2   | 2         | 2         | 6         | 2          | 8          | 787                          | 890       | 807       | 2,484     | 1,021      | 3,505      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

## Appendix Table 17 - Alternative Grade Groups

### Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model

| School Year | Total ALL Attending Students |              |              |              |               |               |  |              |              |              |              |               |               |
|-------------|------------------------------|--------------|--------------|--------------|---------------|---------------|--|--------------|--------------|--------------|--------------|---------------|---------------|
|             | Total<br>K-2                 | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 |  | Total<br>K-3 | Total<br>4-6 | Total<br>7-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 |
| Historical  |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2012-13     | 624                          | 743          | 805          | 2,172        | 1,053         | 3,224         |  | 865          | 788          | 519          | 2,172        | 1,053         | 3,224         |
| 2013-14     | 628                          | 703          | 784          | 2,115        | 1,029         | 3,143         |  | 839          | 759          | 517          | 2,115        | 1,029         | 3,143         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2014-15     | 617                          | 697          | 799          | 2,113        | 998           | 3,110         |  | 840          | 721          | 552          | 2,113        | 998           | 3,110         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2015-16     | 581                          | 639          | 747          | 1,967        | 1,022         | 2,988         |  | 780          | 680          | 507          | 1,967        | 1,022         | 2,988         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2016-17     | 585                          | 670          | 716          | 1,971        | 995           | 2,965         |  | 823          | 656          | 492          | 1,971        | 995           | 2,965         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2017-18     | 567                          | 675          | 717          | 1,959        | 979           | 2,938         |  | 798          | 672          | 489          | 1,959        | 975           | 2,938         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2018-19     | 609                          | 661          | 675          | 1,945        | 1,003         | 2,945         |  | 797          | 682          | 466          | 1,945        | 1,003         | 2,945         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2019-20     | 651                          | 664          | 696          | 2,011        | 988           | 2,996         |  | 869          | 698          | 444          | 2,011        | 989           | 2,996         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2020-21     | 606                          | 614          | 711          | 1,931        | 943           | 2,869         |  | 801          | 664          | 466          | 1,931        | 943           | 2,869         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2021-22     | 631                          | 629          | 702          | 1,962        | 912           | 2,871         |  | 835          | 635          | 492          | 1,962        | 911           | 2,871         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2022-23     | 640                          | 677          | 671          | 1,988        | 910           | 2,894         |  | 879          | 660          | 449          | 1,988        | 910           | 2,894         |
| Projected   |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2023-24     | 650                          | 689          | 652          | 1,991        | 929           | 2,920         |  | 864          | 699          | 428          | 1,991        | 928           | 2,920         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2024-25     | 663                          | 711          | 677          | 2,051        | 920           | 2,971         |  | 893          | 712          | 445          | 2,050        | 919           | 2,970         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2025-26     | 640                          | 722          | 718          | 2,080        | 935           | 3,015         |  | 890          | 734          | 455          | 2,080        | 934           | 3,014         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2026-27     | 686                          | 723          | 730          | 2,139        | 914           | 3,053         |  | 900          | 745          | 494          | 2,139        | 913           | 3,053         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2027-28     | 746                          | 737          | 752          | 2,235        | 902           | 3,137         |  | 990          | 747          | 498          | 2,235        | 901           | 3,136         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2028-29     | 784                          | 713          | 765          | 2,262        | 957           | 3,219         |  | 1,013        | 760          | 490          | 2,263        | 957           | 3,220         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2029-30     | 804                          | 761          | 765          | 2,330        | 973           | 3,303         |  | 1,065        | 736          | 528          | 2,329        | 972           | 3,302         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2030-31     | 778                          | 827          | 780          | 2,385        | 1,003         | 3,388         |  | 1,088        | 786          | 511          | 2,385        | 1,003         | 3,388         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2031-32     | 789                          | 871          | 755          | 2,415        | 1,047         | 3,462         |  | 1,055        | 856          | 504          | 2,415        | 1,045         | 3,461         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2032-33     | 787                          | 890          | 807          | 2,484        | 1,021         | 3,505         |  | 1,066        | 899          | 519          | 2,484        | 1,020         | 3,504         |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 18**  
**Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-2 |       |      | Grades 3-5 |       |      | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    |            | 640   |      |            | 677   |      |            | 671   |      |            | 1,988 |       |             | 910   |       |                       | 2,894 |        |
| 2023-24     | 585        | 650   | 715  | 620        | 689   | 758  | 587        | 652   | 717  | 1,792      | 1,991 | 2,190 | 883         | 929   | 975   | 2,675                 | 2,920 | 3,165  |
| 2024-25     | 597        | 663   | 729  | 640        | 711   | 782  | 609        | 677   | 745  | 1,846      | 2,051 | 2,256 | 874         | 920   | 966   | 2,720                 | 2,971 | 3,222  |
| 2025-26     | 576        | 640   | 704  | 650        | 722   | 794  | 646        | 718   | 790  | 1,872      | 2,080 | 2,288 | 888         | 935   | 982   | 2,760                 | 3,015 | 3,270  |
| 2026-27     | 617        | 686   | 755  | 651        | 723   | 795  | 657        | 730   | 803  | 1,925      | 2,139 | 2,353 | 868         | 914   | 960   | 2,793                 | 3,053 | 3,313  |
| 2027-28     | 671        | 746   | 821  | 663        | 737   | 811  | 677        | 752   | 827  | 2,011      | 2,235 | 2,459 | 857         | 902   | 947   | 2,868                 | 3,137 | 3,406  |
| 2028-29     | 706        | 784   | 862  | 642        | 713   | 784  | 689        | 765   | 842  | 2,037      | 2,262 | 2,488 | 909         | 957   | 1,005 | 2,946                 | 3,219 | 3,493  |
| 2029-30     | 724        | 804   | 884  | 685        | 761   | 837  | 689        | 765   | 842  | 2,098      | 2,330 | 2,563 | 924         | 973   | 1,022 | 3,022                 | 3,303 | 3,585  |
| 2030-31     | 700        | 778   | 856  | 744        | 827   | 910  | 702        | 780   | 858  | 2,146      | 2,385 | 2,624 | 953         | 1,003 | 1,053 | 3,099                 | 3,388 | 3,677  |
| 2031-32     | 710        | 789   | 868  | 784        | 871   | 958  | 680        | 755   | 831  | 2,174      | 2,415 | 2,657 | 995         | 1,047 | 1,099 | 3,169                 | 3,462 | 3,756  |
| 2032-33     | 708        | 787   | 866  | 801        | 890   | 979  | 726        | 807   | 888  | 2,235      | 2,484 | 2,733 | 970         | 1,021 | 1,072 | 3,205                 | 3,505 | 3,805  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-2 |       |     | Grades 3-5 |       |     | Grades 6-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    |            | 640   |     |            | 677   |     |            | 671   |     |            | 1,988 |       |             | 910   |       |                       | 2,894 |       |
| 2023-24     | 631        | 650   | 670 | 668        | 689   | 710 | 632        | 652   | 672 | 1,931      | 1,991 | 2,052 | 901         | 929   | 957   | 2,832                 | 2,920 | 3,009 |
| 2024-25     | 643        | 663   | 683 | 690        | 711   | 732 | 657        | 677   | 697 | 1,990      | 2,051 | 2,112 | 892         | 920   | 948   | 2,882                 | 2,971 | 3,060 |
| 2025-26     | 621        | 640   | 659 | 700        | 722   | 744 | 696        | 718   | 740 | 2,017      | 2,080 | 2,143 | 907         | 935   | 963   | 2,924                 | 3,015 | 3,106 |
| 2026-27     | 665        | 686   | 707 | 701        | 723   | 745 | 708        | 730   | 752 | 2,074      | 2,139 | 2,204 | 887         | 914   | 941   | 2,961                 | 3,053 | 3,145 |
| 2027-28     | 724        | 746   | 768 | 715        | 737   | 759 | 729        | 752   | 775 | 2,168      | 2,235 | 2,302 | 875         | 902   | 929   | 3,043                 | 3,137 | 3,231 |
| 2028-29     | 760        | 784   | 808 | 692        | 713   | 734 | 742        | 765   | 788 | 2,194      | 2,262 | 2,330 | 928         | 957   | 986   | 3,122                 | 3,219 | 3,316 |
| 2029-30     | 780        | 804   | 828 | 738        | 761   | 784 | 742        | 765   | 788 | 2,260      | 2,330 | 2,400 | 944         | 973   | 1,002 | 3,204                 | 3,303 | 3,402 |
| 2030-31     | 755        | 778   | 801 | 802        | 827   | 852 | 757        | 780   | 803 | 2,314      | 2,385 | 2,456 | 973         | 1,003 | 1,033 | 3,287                 | 3,388 | 3,489 |
| 2031-32     | 765        | 789   | 813 | 845        | 871   | 897 | 732        | 755   | 778 | 2,342      | 2,415 | 2,488 | 1,016       | 1,047 | 1,078 | 3,358                 | 3,462 | 3,566 |
| 2032-33     | 763        | 787   | 811 | 863        | 890   | 917 | 783        | 807   | 831 | 2,409      | 2,484 | 2,559 | 990         | 1,021 | 1,052 | 3,399                 | 3,505 | 3,611 |

**Notes:** Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting



**Appendix Table 18 - Alternative Grade Groups**  
**Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |      | Grades 7-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|-------|------------|-------|------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10%  | -10%       | Proj. | +10% | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    |            | 879   |       |            | 660   |      |            | 449   |      |            | 1,988 |       |             | 910   |       |                       | 2,894 |        |
| 2023-24     | 778        | 864   | 951   | 629        | 699   | 769  | 385        | 428   | 471  | 1,792      | 1,991 | 2,191 | 883         | 929   | 975   | 2,675                 | 2,920 | 3,166  |
| 2024-25     | 804        | 893   | 982   | 641        | 712   | 783  | 400        | 445   | 489  | 1,845      | 2,050 | 2,254 | 874         | 920   | 966   | 2,719                 | 2,970 | 3,220  |
| 2025-26     | 801        | 890   | 979   | 661        | 734   | 808  | 409        | 455   | 500  | 1,871      | 2,080 | 2,287 | 888         | 935   | 982   | 2,759                 | 3,015 | 3,269  |
| 2026-27     | 810        | 900   | 990   | 671        | 745   | 820  | 445        | 494   | 544  | 1,926      | 2,139 | 2,354 | 868         | 914   | 960   | 2,794                 | 3,053 | 3,314  |
| 2027-28     | 891        | 990   | 1,089 | 672        | 747   | 821  | 448        | 498   | 548  | 2,011      | 2,235 | 2,458 | 857         | 902   | 947   | 2,868                 | 3,137 | 3,405  |
| 2028-29     | 911        | 1,013 | 1,114 | 684        | 760   | 836  | 441        | 490   | 539  | 2,036      | 2,263 | 2,489 | 909         | 957   | 1,005 | 2,945                 | 3,220 | 3,494  |
| 2029-30     | 958        | 1,065 | 1,171 | 663        | 736   | 810  | 475        | 528   | 581  | 2,096      | 2,329 | 2,562 | 924         | 973   | 1,022 | 3,020                 | 3,302 | 3,584  |
| 2030-31     | 979        | 1,088 | 1,197 | 707        | 786   | 864  | 460        | 511   | 562  | 2,146      | 2,385 | 2,623 | 953         | 1,003 | 1,053 | 3,099                 | 3,388 | 3,676  |
| 2031-32     | 950        | 1,055 | 1,161 | 770        | 856   | 941  | 454        | 504   | 555  | 2,174      | 2,415 | 2,657 | 995         | 1,047 | 1,099 | 3,169                 | 3,462 | 3,756  |
| 2032-33     | 960        | 1,066 | 1,173 | 809        | 899   | 989  | 467        | 519   | 571  | 2,236      | 2,484 | 2,733 | 970         | 1,021 | 1,072 | 3,206                 | 3,505 | 3,805  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |     | Grades 7-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-------|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3%   | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    |            | 879   |       |            | 660   |     |            | 449   |     |            | 1,988 |       |             | 910   |       |                       | 2,894 |       |
| 2023-24     | 838        | 864   | 890   | 678        | 699   | 720 | 415        | 428   | 441 | 1,931      | 1,991 | 2,051 | 901         | 929   | 957   | 2,832                 | 2,920 | 3,008 |
| 2024-25     | 866        | 893   | 920   | 691        | 712   | 734 | 432        | 445   | 458 | 1,989      | 2,050 | 2,112 | 892         | 920   | 948   | 2,881                 | 2,970 | 3,060 |
| 2025-26     | 864        | 890   | 917   | 712        | 734   | 756 | 441        | 455   | 468 | 2,017      | 2,080 | 2,141 | 907         | 935   | 963   | 2,924                 | 3,015 | 3,104 |
| 2026-27     | 873        | 900   | 927   | 723        | 745   | 767 | 479        | 494   | 509 | 2,075      | 2,139 | 2,203 | 887         | 914   | 941   | 2,962                 | 3,053 | 3,144 |
| 2027-28     | 960        | 990   | 1,020 | 724        | 747   | 769 | 483        | 498   | 513 | 2,167      | 2,235 | 2,302 | 875         | 902   | 929   | 3,042                 | 3,137 | 3,231 |
| 2028-29     | 982        | 1,013 | 1,043 | 737        | 760   | 783 | 475        | 490   | 504 | 2,194      | 2,263 | 2,330 | 928         | 957   | 986   | 3,122                 | 3,220 | 3,316 |
| 2029-30     | 1,033      | 1,065 | 1,097 | 714        | 736   | 758 | 512        | 528   | 544 | 2,259      | 2,329 | 2,399 | 944         | 973   | 1,002 | 3,203                 | 3,302 | 3,401 |
| 2030-31     | 1,056      | 1,088 | 1,121 | 762        | 786   | 809 | 496        | 511   | 526 | 2,314      | 2,385 | 2,456 | 973         | 1,003 | 1,033 | 3,287                 | 3,388 | 3,489 |
| 2031-32     | 1,024      | 1,055 | 1,087 | 830        | 856   | 881 | 489        | 504   | 519 | 2,343      | 2,415 | 2,487 | 1,016       | 1,047 | 1,078 | 3,359                 | 3,462 | 3,565 |
| 2032-33     | 1,034      | 1,066 | 1,098 | 872        | 899   | 926 | 503        | 519   | 534 | 2,409      | 2,484 | 2,558 | 990         | 1,021 | 1,052 | 3,399                 | 3,505 | 3,610 |

**Notes:** Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

### Appendix Table 19

#### Entering Class to Births Ratio Worksheet - Scarborough Resident Students - 2022-23 Housing Impact HIGH Model

| Oct 15-Oct 14 Births                           | Number Births | KG Year  | KG Class Size | 1st Grade Year     | 1st Class Size | Ratio 1st/Birth | Ratio 1st/K | Proj. 1st Grade | Net Preschool Migration |
|--|---------------|--|---------------|--------------------|----------------|-----------------|-------------|-----------------|-------------------------|
| 2006-07  | 135           | 10/12  | 202           | 10/13              | 199            | 1.474           | 0.985       |                 | 64                      |
| 2007-08  | 142           | 10/13  | 204           | 10/14              | 212            | 1.493           | 1.039       |                 | 70                      |
| 2008-09  | 138           | 10/14  | 207           | 10/15              | 209            | 1.514           | 1.010       |                 | 71                      |
| 2009-10  | 129           | 10/15  | 156           | 10/16              | 173            | 1.341           | 1.109       |                 | 44                      |
| 2010-11  | 135           | 10/16  | 193           | 10/17              | 199            | 1.474           | 1.031       |                 | 64                      |
| 2011-12  | 129           | 10/17  | 186           | 10/18              | 187            | 1.450           | 1.005       |                 | 58                      |
| 2012-13  | 150           | 10/18  | 209           | 10/19              | 223            | 1.487           | 1.067       |                 | 73                      |
| 2013-14  | 167           | 10/19  | 238           | 10/20              | 221            | 1.323           | 0.929       |                 | 54                      |
| 2014-15  | 158           | 10/20  | 179           | 10/21              | 195            | 1.234           | 1.089       |                 | 37                      |
| 2015-16  | 157           | 10/21  | 199           | 10/22              | 213            | 1.357           | 1.070       |                 | 56                      |
| 2016-17  | 138           | 10/22  | 218           | 10/23              |                | 1.704           | 1.079       | 235             | 97                      |
| 2017-18  | 142           | 10/23  |               | 10/24              |                | 1.428           |             | 203             | 61                      |
| 2018-19  | 162           | 10/24  |               | 10/25              |                | 1.428           |             | 231             | 69                      |
| 2019-20  | 151           | 10/25  |               | 10/26              |                | 1.438           |             | 217             | 66                      |
| 2020-21  | 174           | 10/26  |               | 10/27              |                | 1.431           |             | 249             | 75                      |
| 2021-22*                                       | 207           | 10/27  |               | 10/28              |                | 1.423           |             | 295             | 88                      |
| 2022-23 est                                    | 177           | 10/28  |               | 10/29              |                | 1.424           |             | 253             | 75                      |
| 2023-24 est                                    | 186           | 10/29  |               | 10/30              |                | 1.417           |             | 264             | 78                      |
| 2024-25 est                                    | 190           | 10/30  |               | 10/31              |                | 1.411           |             | 268             | 78                      |
| 2025-26 est                                    | 185           | 10/31  |               | 10/32              |                | 1.406           |             | 259             | 75                      |
| 10yr Total (07-16)                             | 1,440         | 10yr Total (12-21)                                   | 1,973         | 10yr Total (13-22) | 2,031          | 1.410           | 1.029       | Last 10yr       | 59.1                    |
| 10yr Avg (07-16)                               | 144           | 10yr Avg (12-21)                                     | 197           | 10yr Avg (13-22)   | 203            | 1.415           | 1.029       | Last 5yr        | 55.6                    |
| 5yr Avg (18-22)                                | 167           |  |               |                    |                |                 |             | Last 3yr        | 49.0                    |
| 5yr Max (18-22)                                | 207           |  |               |                    |                |                 |             | Proj.           | 76.2                    |
| 5yr Min (18-22)                                | 142           |  |               |                    |                |                 |             |                 |                         |
| 3 yr Avg (20-22)                               | 177           |  |               |                    |                |                 |             |                 |                         |
| 2 yr Avg (21-22)                               | 191           |  |               |                    |                |                 |             |                 |                         |
| First Grade to Births Correlation Coefficients |               | First Grade to Kindergarten Correlation Coefficients |               |                    |                |                 |             |                 |                         |
| 10 YEAR  | 0.676         | 10 YEAR  | 0.885         |                    |                |                 |             |                 |                         |
| 9 YEAR   | 0.677         | 9 YEAR   | 0.898         |                    |                |                 |             |                 |                         |
| 8 YEAR   | 0.708         | 8 YEAR   | 0.898         |                    |                |                 |             |                 |                         |
| 7 YEAR   | 0.764         | 7 YEAR   | 0.896         |                    |                |                 |             |                 |                         |
| 6 YEAR   | 0.668         | 6 YEAR   | 0.811         |                    |                |                 |             |                 |                         |
| 5 YEAR   | 0.648         | 5 YEAR   | 0.804         |                    |                |                 |             |                 |                         |
| 4 YEAR   | -0.030        | 4 YEAR   | 0.821         |                    |                |                 |             |                 |                         |
| 3 YEAR   | 0.673         | 3 YEAR   | 0.920         |                    |                |                 |             |                 |                         |
|  |               |  |               | Ratios             |                | 1st/Birth       | 1st/K       |                 |                         |
|  |               |  |               | Avg last 10        |                | 1.415           | 1.033       |                 |                         |
|  |               |  |               | Avg last 9         |                | 1.408           | 1.039       |                 |                         |
|  |               |  |               | Avg last 8         |                | 1.398           | 1.039       |                 |                         |
|  |               |  |               | Avg last 7         |                | 1.381           | 1.043       |                 |                         |
|  |               |  |               | Avg last 6         |                | 1.388           | 1.032       |                 |                         |
|  |               |  |               | Avg last 5         |                | 1.370           | 1.032       |                 |                         |
|  |               |  |               | Avg last 4         |                | 1.350           | 1.039       |                 |                         |
|  |               |  |               | Avg last 3         |                | 1.305           | 1.029       |                 |                         |
|  |               |  |               | 10yr Weighted      |                | 1.384           | 1.038       |                 |                         |
|  |               |  |               | 5yr Weighted       |                | 1.341           | 1.042       |                 |                         |
|  |               |  |               | 3yr Weighted       |                | 1.310           | 1.053       |                 |                         |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools, excludes 100% homeschooled students. Enrollment data supplied by Scarborough Schools. Future births between 2022-23 and 2025-26 are based on the 3-year rolling average of births (2019-20 to 2021-22) then 2020-21 to 2022-23, then 2021-22 to 2023-24 etc... \*2022 birth data is preliminary and provisional from the Maine Department of Health and Human Services, Office of Data, Research, and Vital Statistics. The first grade from 2024-25 to 2032-33 was projected using the 7-year ratio of first grade to births, the 2023-24 first grade class sizes was based on the 2022-23 Kindergarten enrollment and the 3-year weighted ratio of first grade to Kindergarten.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

## Appendix Table 20

### Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact HIGH Model

| School Year       | K   | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----------|-----------|-----------|-----------|------------|------------|
| <b>Historical</b> |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2012-13           | 202 | 206 | 216 | 241 | 240 | 261 | 286 | 243 | 276 | 253 | 242  | 278  | 280  | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      |
| 2013-14           | 204 | 199 | 225 | 211 | 252 | 240 | 267 | 282 | 234 | 255 | 249  | 241  | 283  | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      |
| 2014-15           | 207 | 212 | 198 | 223 | 223 | 250 | 247 | 263 | 289 | 226 | 258  | 260  | 254  | 617       | 696       | 799       | 2,112     | 998        | 3,110      |
| 2015-16           | 156 | 209 | 216 | 199 | 222 | 218 | 240 | 244 | 262 | 263 | 228  | 259  | 271  | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      |
| 2016-17           | 193 | 173 | 219 | 238 | 206 | 226 | 224 | 247 | 244 | 249 | 261  | 227  | 257  | 585       | 670       | 715       | 1,970     | 994        | 2,964      |
| 2017-18           | 186 | 199 | 181 | 231 | 238 | 206 | 228 | 238 | 251 | 230 | 250  | 257  | 238  | 566       | 675       | 717       | 1,958     | 975        | 2,933      |
| 2018-19           | 209 | 187 | 212 | 188 | 237 | 235 | 209 | 228 | 236 | 247 | 238  | 250  | 266  | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      |
| 2019-20           | 238 | 223 | 188 | 218 | 203 | 242 | 252 | 213 | 229 | 237 | 251  | 243  | 256  | 649       | 663       | 694       | 2,006     | 987        | 2,993      |
| 2020-21           | 179 | 221 | 206 | 195 | 207 | 209 | 245 | 253 | 211 | 214 | 228  | 253  | 246  | 606       | 611       | 709       | 1,926     | 941        | 2,867      |
| 2021-22           | 199 | 195 | 235 | 204 | 210 | 213 | 210 | 246 | 245 | 207 | 222  | 227  | 254  | 629       | 627       | 701       | 1,957     | 910        | 2,867      |
| 2022-23           | 218 | 213 | 208 | 239 | 218 | 218 | 222 | 207 | 240 | 240 | 211  | 222  | 235  | 639       | 675       | 669       | 1,983     | 908        | 2,891      |
| <b>Projected</b>  |     |     |     |     |     |     |     |     |     |     |      |      |      |           |           |           |           |            |            |
| 2023-24           | 199 | 235 | 225 | 215 | 249 | 226 | 224 | 223 | 204 | 239 | 249  | 213  | 228  | 659       | 690       | 651       | 2,000     | 929        | 2,929      |
| 2024-25           | 228 | 203 | 249 | 233 | 224 | 259 | 234 | 226 | 221 | 205 | 249  | 252  | 220  | 680       | 716       | 681       | 2,077     | 926        | 3,003      |
| 2025-26           | 215 | 231 | 216 | 258 | 244 | 235 | 267 | 237 | 225 | 222 | 214  | 253  | 261  | 662       | 737       | 729       | 2,128     | 950        | 3,078      |
| 2026-27           | 247 | 217 | 247 | 226 | 271 | 256 | 244 | 271 | 236 | 227 | 234  | 220  | 263  | 711       | 753       | 751       | 2,215     | 944        | 3,159      |
| 2027-28           | 291 | 249 | 232 | 257 | 238 | 284 | 265 | 248 | 270 | 238 | 239  | 239  | 229  | 772       | 779       | 783       | 2,334     | 945        | 3,279      |
| 2028-29           | 250 | 295 | 265 | 242 | 270 | 250 | 294 | 269 | 247 | 272 | 250  | 244  | 249  | 810       | 762       | 810       | 2,382     | 1,015      | 3,397      |
| 2029-30           | 260 | 253 | 312 | 275 | 254 | 282 | 258 | 297 | 267 | 248 | 283  | 254  | 253  | 825       | 811       | 822       | 2,458     | 1,038      | 3,496      |
| 2030-31           | 264 | 264 | 267 | 322 | 287 | 264 | 290 | 260 | 293 | 267 | 258  | 287  | 262  | 795       | 873       | 843       | 2,511     | 1,074      | 3,585      |
| 2031-32           | 254 | 268 | 277 | 275 | 334 | 297 | 271 | 292 | 256 | 292 | 276  | 260  | 294  | 799       | 906       | 819       | 2,524     | 1,122      | 3,646      |
| 2032-33           | 254 | 259 | 281 | 285 | 284 | 345 | 304 | 271 | 286 | 254 | 301  | 277  | 266  | 794       | 914       | 861       | 2,569     | 1,098      | 3,667      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 20 - Alternative Grade Groups  |           |           |           |           |            |            |  |           |           |           |           |            |            |
|---|-----------|-----------|-----------|-----------|------------|------------|--|-----------|-----------|-----------|-----------|------------|------------|
| Enrollment Trends & Projections - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact HIGH Model |           |           |           |           |            |            |  |           |           |           |           |            |            |
| School Year   | Total K-2 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |  | Total K-3 | Total 4-6 | Total 7-8 | Total K-8 | Total 9-12 | Total K-12 |
| Historical  |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2012-13   | 624       | 742       | 805       | 2,171     | 1,053      | 3,224      |  | 865       | 787       | 519       | 2,171     | 1,053      | 3,224      |
| 2013-14   | 628       | 703       | 783       | 2,114     | 1,028      | 3,142      |  | 839       | 759       | 516       | 2,114     | 1,028      | 3,142      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2014-15   | 617       | 696       | 799       | 2,112     | 998        | 3,110      |  | 840       | 720       | 552       | 2,112     | 998        | 3,110      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2015-16   | 581       | 639       | 746       | 1,966     | 1,021      | 2,987      |  | 780       | 680       | 506       | 1,966     | 1,021      | 2,987      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2016-17   | 585       | 670       | 715       | 1,970     | 994        | 2,964      |  | 823       | 656       | 491       | 1,970     | 994        | 2,964      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2017-18   | 566       | 675       | 717       | 1,958     | 975        | 2,933      |  | 797       | 672       | 489       | 1,958     | 975        | 2,933      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2018-19   | 608       | 660       | 673       | 1,941     | 1,001      | 2,942      |  | 796       | 681       | 464       | 1,941     | 1,001      | 2,942      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2019-20   | 649       | 663       | 694       | 2,006     | 987        | 2,993      |  | 867       | 697       | 442       | 2,006     | 987        | 2,993      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2020-21   | 606       | 611       | 709       | 1,926     | 941        | 2,867      |  | 801       | 661       | 464       | 1,926     | 941        | 2,867      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2021-22   | 629       | 627       | 701       | 1,957     | 910        | 2,867      |  | 833       | 633       | 491       | 1,957     | 910        | 2,867      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2022-23   | 639       | 675       | 669       | 1,983     | 908        | 2,891      |  | 878       | 658       | 447       | 1,983     | 908        | 2,891      |
| Projected   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2023-24   | 659       | 690       | 652       | 2,000     | 929        | 2,929      |  | 873       | 699       | 428       | 2,000     | 929        | 2,929      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2024-25   | 679       | 716       | 681       | 2,076     | 926        | 3,001      |  | 912       | 717       | 447       | 2,076     | 926        | 3,001      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2025-26   | 662       | 737       | 729       | 2,128     | 951        | 3,079      |  | 920       | 746       | 462       | 2,128     | 951        | 3,079      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2026-27   | 711       | 753       | 751       | 2,215     | 944        | 3,158      |  | 936       | 771       | 507       | 2,215     | 944        | 3,158      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2027-28   | 772       | 779       | 783       | 2,334     | 945        | 3,279      |  | 1,029     | 787       | 518       | 2,334     | 945        | 3,279      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2028-29   | 810       | 762       | 811       | 2,382     | 1,014      | 3,396      |  | 1,052     | 814       | 516       | 2,382     | 1,014      | 3,396      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2029-30   | 824       | 811       | 822       | 2,457     | 1,038      | 3,495      |  | 1,099     | 794       | 564       | 2,457     | 1,038      | 3,495      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2030-31   | 794       | 872       | 844       | 2,510     | 1,073      | 3,583      |  | 1,116     | 841       | 554       | 2,510     | 1,073      | 3,583      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2031-32   | 800       | 906       | 819       | 2,524     | 1,122      | 3,646      |  | 1,075     | 902       | 548       | 2,524     | 1,122      | 3,646      |
|   |           |           |           |           |            |            |  |           |           |           |           |            |            |
| 2032-33   | 795       | 914       | 861       | 2,570     | 1,098      | 3,668      |  | 1,079     | 933       | 557       | 2,570     | 1,098      | 3,668      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools. Adjustment to the "best fit" model grade-to-grade ratios between grades K-1, 2-3 and 3-4 were made as an alternative scenario to potentially account for the impact of COVID-19 on enrollment, no change to preschool migration was needed.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

Appendix Table 21

## Enrollment Trends &amp; Projections - Scarborough Resident Enrollment - 2022-23 Housing Impact HIGH Model

| School Year | Resident Students Attending District Schools |           |           |           |            |            | Resident Students at NON-District Schools |           |           |           |            |            | Total ALL Scarborough Students |           |           |           |
|-------------|--|-----------|-----------|-----------|------------|------------|---|-----------|-----------|-----------|------------|------------|--------------------------------|-----------|-----------|-----------|
|             | Total K-2                                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                                 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                      | Total 3-5 | Total 6-8 | Total K-8 |
| Historical  |  |           |           |           |            |            |   |           |           |           |            |            |                                |           |           |           |
| 2012-13     | 624  | 742       | 805       | 2,171     | 1,053      | 3,224      | 1   | 1         | 0         | 2         | 10         | 12         | 625                            | 743       | 805       | 2,173     |
| 2013-14     | 628  | 703       | 783       | 2,114     | 1,028      | 3,142      | 2   | 2         | 1         | 5         | 12         | 17         | 630                            | 705       | 784       | 2,119     |
| 2014-15     | 617  | 696       | 799       | 2,112     | 998        | 3,110      | 2   | 1         | 3         | 6         | 16         | 22         | 619                            | 697       | 802       | 2,118     |
| 2015-16     | 581  | 639       | 746       | 1,966     | 1,021      | 2,987      | 2   | 1         | 4         | 7         | 32         | 39         | 583                            | 640       | 750       | 1,973     |
| 2016-17     | 585  | 670       | 715       | 1,970     | 994        | 2,964      | 1   | 2         | 2         | 5         | 42         | 47         | 586                            | 672       | 717       | 1,975     |
| 2017-18     | 566  | 675       | 717       | 1,958     | 975        | 2,933      | 4   | 1         | 5         | 10        | 43         | 53         | 570                            | 676       | 722       | 1,968     |
| 2018-19     | 608  | 660       | 673       | 1,941     | 1,001      | 2,942      | 3   | 6         | 3         | 12        | 41         | 53         | 611                            | 666       | 676       | 1,953     |
| 2019-20     | 649  | 663       | 694       | 2,006     | 987        | 2,993      | 5   | 1         | 8         | 14        | 43         | 57         | 654                            | 664       | 702       | 2,020     |
| 2020-21     | 606  | 611       | 709       | 1,926     | 941        | 2,867      | 8   | 2         | 10        | 20        | 46         | 66         | 614                            | 613       | 719       | 1,946     |
| 2021-22     | 629  | 627       | 701       | 1,957     | 910        | 2,867      | 7   | 3         | 10        | 20        | 42         | 62         | 636                            | 630       | 711       | 1,977     |
| 2022-23     | 639  | 675       | 669       | 1,983     | 908        | 2,891      | 7   | 9         | 7         | 23        | 38         | 61         | 646                            | 684       | 676       | 2,006     |
| Projected   |  |           |           |           |            |            |   |           |           |           |            |            |                                |           |           |           |
| 2023-24     | 659  | 690       | 651       | 2,000     | 929        | 2,929      | 7   | 6         | 9         | 23        | 41         | 64         | 666                            | 696       | 660       | 2,023     |
| 2024-25     | 680  | 716       | 681       | 2,077     | 926        | 3,003      | 8   | 6         | 10        | 23        | 40         | 63         | 688                            | 722       | 691       | 2,100     |
| 2025-26     | 662  | 737       | 729       | 2,128     | 950        | 3,078      | 7   | 6         | 10        | 24        | 40         | 64         | 669                            | 743       | 739       | 2,152     |
| 2026-27     | 711  | 753       | 751       | 2,215     | 944        | 3,159      | 8   | 6         | 10        | 24        | 39         | 63         | 719                            | 759       | 761       | 2,239     |
| 2027-28     | 772  | 779       | 783       | 2,334     | 945        | 3,279      | 9   | 6         | 10        | 25        | 38         | 63         | 781                            | 785       | 793       | 2,359     |
| 2028-29     | 810  | 762       | 810       | 2,382     | 1,015      | 3,397      | 9   | 6         | 10        | 26        | 40         | 66         | 819                            | 768       | 820       | 2,408     |
| 2029-30     | 825  | 811       | 822       | 2,458     | 1,038      | 3,496      | 9   | 7         | 10        | 26        | 41         | 67         | 834                            | 818       | 832       | 2,484     |
| 2030-31     | 795  | 873       | 843       | 2,511     | 1,074      | 3,585      | 9   | 7         | 10        | 26        | 42         | 68         | 804                            | 880       | 853       | 2,537     |
| 2031-32     | 799  | 906       | 819       | 2,524     | 1,122      | 3,646      | 9   | 8         | 10        | 26        | 43         | 69         | 808                            | 914       | 829       | 2,550     |
| 2032-33     | 794  | 914       | 861       | 2,569     | 1,098      | 3,667      | 9   | 8         | 11        | 27        | 41         | 68         | 803                            | 922       | 872       | 2,596     |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 22**  
**All Scarborough Resident Students - 2022-23 Housing Impact HIGH Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-2 |       |      | Grades 3-5 |       |       | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|------|------------|-------|-------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 646        |       |      | 684        |       |       | 676        |       |      | 2,006      |       |       | 946         |       |       | 2,952                 |       |        |
| 2023-24     | 600        | 666   | 733  | 627        | 696   | 766   | 594        | 660   | 726  | 1,821      | 2,023 | 2,225 | 922         | 970   | 1,019 | 2,743                 | 2,993 | 3,244  |
| 2024-25     | 619        | 688   | 756  | 650        | 722   | 795   | 621        | 691   | 760  | 1,890      | 2,100 | 2,311 | 918         | 966   | 1,014 | 2,808                 | 3,066 | 3,325  |
| 2025-26     | 602        | 669   | 736  | 669        | 743   | 818   | 665        | 739   | 813  | 1,936      | 2,152 | 2,367 | 941         | 990   | 1,040 | 2,877                 | 3,142 | 3,407  |
| 2026-27     | 647        | 719   | 791  | 683        | 759   | 835   | 685        | 761   | 837  | 2,015      | 2,239 | 2,463 | 934         | 983   | 1,032 | 2,949                 | 3,222 | 3,495  |
| 2027-28     | 703        | 781   | 859  | 707        | 785   | 864   | 714        | 793   | 873  | 2,124      | 2,359 | 2,596 | 934         | 983   | 1,032 | 3,058                 | 3,342 | 3,628  |
| 2028-29     | 737        | 819   | 901  | 691        | 768   | 845   | 738        | 820   | 902  | 2,166      | 2,408 | 2,648 | 1,002       | 1,055 | 1,108 | 3,168                 | 3,463 | 3,756  |
| 2029-30     | 751        | 834   | 918  | 736        | 818   | 899   | 749        | 832   | 915  | 2,236      | 2,484 | 2,732 | 1,025       | 1,079 | 1,133 | 3,261                 | 3,563 | 3,865  |
| 2030-31     | 723        | 804   | 884  | 792        | 880   | 968   | 768        | 853   | 939  | 2,283      | 2,537 | 2,791 | 1,060       | 1,116 | 1,172 | 3,343                 | 3,653 | 3,963  |
| 2031-32     | 727        | 808   | 888  | 822        | 914   | 1,005 | 746        | 829   | 912  | 2,295      | 2,550 | 2,805 | 1,107       | 1,165 | 1,223 | 3,402                 | 3,715 | 4,028  |
| 2032-33     | 722        | 803   | 883  | 829        | 922   | 1,014 | 785        | 872   | 959  | 2,336      | 2,596 | 2,856 | 1,082       | 1,139 | 1,196 | 3,418                 | 3,735 | 4,052  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-2 |       |     | Grades 3-5 |       |     | Grades 6-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 646        |       |     | 684        |       |     | 676        |       |     | 2,006      |       |       | 946         |       |       | 2,952                 |       |       |
| 2023-24     | 646        | 666   | 686 | 675        | 696   | 717 | 640        | 660   | 680 | 1,961      | 2,023 | 2,083 | 941         | 970   | 999   | 2,902                 | 2,993 | 3,082 |
| 2024-25     | 667        | 688   | 708 | 701        | 722   | 744 | 670        | 691   | 711 | 2,038      | 2,100 | 2,163 | 937         | 966   | 995   | 2,975                 | 3,066 | 3,158 |
| 2025-26     | 649        | 669   | 689 | 721        | 743   | 766 | 717        | 739   | 761 | 2,087      | 2,152 | 2,216 | 960         | 990   | 1,020 | 3,047                 | 3,142 | 3,236 |
| 2026-27     | 697        | 719   | 740 | 736        | 759   | 782 | 738        | 761   | 784 | 2,171      | 2,239 | 2,306 | 954         | 983   | 1,012 | 3,125                 | 3,222 | 3,318 |
| 2027-28     | 757        | 781   | 804 | 762        | 785   | 809 | 770        | 793   | 817 | 2,289      | 2,359 | 2,430 | 954         | 983   | 1,012 | 3,243                 | 3,342 | 3,442 |
| 2028-29     | 794        | 819   | 844 | 745        | 768   | 791 | 796        | 820   | 845 | 2,335      | 2,408 | 2,480 | 1,023       | 1,055 | 1,087 | 3,358                 | 3,463 | 3,567 |
| 2029-30     | 809        | 834   | 859 | 793        | 818   | 842 | 807        | 832   | 857 | 2,409      | 2,484 | 2,558 | 1,047       | 1,079 | 1,111 | 3,456                 | 3,563 | 3,669 |
| 2030-31     | 780        | 804   | 828 | 854        | 880   | 907 | 828        | 853   | 879 | 2,462      | 2,537 | 2,614 | 1,083       | 1,116 | 1,149 | 3,545                 | 3,653 | 3,763 |
| 2031-32     | 783        | 808   | 832 | 886        | 914   | 941 | 804        | 829   | 854 | 2,473      | 2,550 | 2,627 | 1,130       | 1,165 | 1,200 | 3,603                 | 3,715 | 3,827 |
| 2032-33     | 779        | 803   | 827 | 894        | 922   | 949 | 846        | 872   | 898 | 2,519      | 2,596 | 2,674 | 1,105       | 1,139 | 1,173 | 3,624                 | 3,735 | 3,847 |

**Notes:** Enrollment data contains all resident students and excludes 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 23**

**Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model**

| School Year | Resident Students Attending District Schools |           |           |           |            |            | NON-Resident Students at District Schools |           |           |           |            |            | Total ALL Attending Students |           |           |           |            |            |
|-------------|--|-----------|-----------|-----------|------------|------------|---|-----------|-----------|-----------|------------|------------|------------------------------|-----------|-----------|-----------|------------|------------|
|             | Total K-2                                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                                 | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 | Total K-2                    | Total 3-5 | Total 6-8 | Total K-8 | Total 9-12 | Total K-12 |
| Historical  |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2012-13     | 624  | 742       | 805       | 2,171     | 1,053      | 3,224      | 0   | 1         | 0         | 1         | 0          | 0          | 624                          | 743       | 805       | 2,172     | 1,053      | 3,224      |
| 2013-14     | 628  | 703       | 783       | 2,114     | 1,028      | 3,142      | 0   | 0         | 1         | 1         | 1          | 1          | 628                          | 703       | 784       | 2,115     | 1,029      | 3,143      |
| 2014-15     | 617  | 696       | 799       | 2,112     | 998        | 3,110      | 0   | 1         | 0         | 1         | 0          | 0          | 617                          | 697       | 799       | 2,113     | 998        | 3,110      |
| 2015-16     | 581  | 639       | 746       | 1,966     | 1,021      | 2,987      | 0   | 0         | 1         | 1         | 1          | 1          | 581                          | 639       | 747       | 1,967     | 1,022      | 2,988      |
| 2016-17     | 585  | 670       | 715       | 1,970     | 994        | 2,964      | 0   | 0         | 1         | 1         | 1          | 1          | 585                          | 670       | 716       | 1,971     | 995        | 2,965      |
| 2017-18     | 566  | 675       | 717       | 1,958     | 975        | 2,933      | 1   | 0         | 0         | 1         | 4          | 5          | 567                          | 675       | 717       | 1,959     | 979        | 2,938      |
| 2018-19     | 608  | 660       | 673       | 1,941     | 1,001      | 2,942      | 1   | 1         | 2         | 4         | 2          | 3          | 609                          | 661       | 675       | 1,945     | 1,003      | 2,945      |
| 2019-20     | 649  | 663       | 694       | 2,006     | 987        | 2,993      | 2   | 1         | 2         | 5         | 1          | 3          | 651                          | 664       | 696       | 2,011     | 988        | 2,996      |
| 2020-21     | 606  | 611       | 709       | 1,926     | 941        | 2,867      | 0   | 3         | 2         | 5         | 2          | 2          | 606                          | 614       | 711       | 1,931     | 943        | 2,869      |
| 2021-22     | 629  | 627       | 701       | 1,957     | 910        | 2,867      | 2   | 2         | 1         | 5         | 2          | 4          | 631                          | 629       | 702       | 1,962     | 912        | 2,871      |
| 2022-23     | 639  | 675       | 669       | 1,983     | 908        | 2,891      | 1   | 2         | 2         | 5         | 2          | 3          | 640                          | 677       | 671       | 1,988     | 910        | 2,894      |
| Projected   |  |           |           |           |            |            |   |           |           |           |            |            |                              |           |           |           |            |            |
| 2023-24     | 659  | 690       | 651       | 2,000     | 929        | 2,929      | 1   | 1         | 1         | 3         | 2          | 5          | 660                          | 691       | 652       | 2,003     | 931        | 2,934      |
| 2024-25     | 680  | 716       | 681       | 2,077     | 926        | 3,003      | 1   | 1         | 1         | 3         | 2          | 5          | 681                          | 717       | 682       | 2,080     | 928        | 3,008      |
| 2025-26     | 662  | 737       | 729       | 2,128     | 950        | 3,078      | 1   | 1         | 1         | 3         | 2          | 5          | 663                          | 738       | 730       | 2,131     | 952        | 3,083      |
| 2026-27     | 711  | 753       | 751       | 2,215     | 944        | 3,159      | 2   | 1         | 1         | 4         | 2          | 6          | 713                          | 754       | 752       | 2,219     | 946        | 3,165      |
| 2027-28     | 772  | 779       | 783       | 2,334     | 945        | 3,279      | 2   | 1         | 1         | 4         | 2          | 6          | 774                          | 780       | 784       | 2,338     | 947        | 3,285      |
| 2028-29     | 810  | 762       | 810       | 2,382     | 1,015      | 3,397      | 2   | 1         | 1         | 4         | 2          | 6          | 812                          | 763       | 811       | 2,386     | 1,017      | 3,403      |
| 2029-30     | 825  | 811       | 822       | 2,458     | 1,038      | 3,496      | 2   | 1         | 1         | 4         | 2          | 6          | 827                          | 812       | 823       | 2,462     | 1,040      | 3,502      |
| 2030-31     | 795  | 873       | 843       | 2,511     | 1,074      | 3,585      | 2   | 1         | 2         | 5         | 2          | 7          | 797                          | 874       | 845       | 2,516     | 1,076      | 3,592      |
| 2031-32     | 799  | 906       | 819       | 2,524     | 1,122      | 3,646      | 2   | 2         | 1         | 5         | 2          | 7          | 801                          | 908       | 820       | 2,529     | 1,124      | 3,653      |
| 2032-33     | 794  | 914       | 861       | 2,569     | 1,098      | 3,667      | 2   | 2         | 2         | 6         | 2          | 8          | 796                          | 916       | 863       | 2,575     | 1,100      | 3,675      |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools except 100% homeschooled students and includes any non-resident students attending district schools.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

### Appendix Table 23 - Alternative Grade Groups

#### Enrollment Trends & Projections - Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model

| School Year | Total ALL Attending Students |              |              |              |               |               |  |              |              |              |              |               |               |
|-------------|------------------------------|--------------|--------------|--------------|---------------|---------------|--|--------------|--------------|--------------|--------------|---------------|---------------|
|             | Total<br>K-2                 | Total<br>3-5 | Total<br>6-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 |  | Total<br>K-3 | Total<br>4-6 | Total<br>7-8 | Total<br>K-8 | Total<br>9-12 | Total<br>K-12 |
| Historical  |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2012-13     | 624                          | 743          | 805          | 2,172        | 1,053         | 3,224         |  | 865          | 788          | 519          | 2,172        | 1,053         | 3,224         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2013-14     | 628                          | 703          | 784          | 2,115        | 1,029         | 3,143         |  | 839          | 759          | 517          | 2,115        | 1,029         | 3,143         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2014-15     | 617                          | 697          | 799          | 2,113        | 998           | 3,110         |  | 840          | 721          | 552          | 2,113        | 998           | 3,110         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2015-16     | 581                          | 639          | 747          | 1,967        | 1,022         | 2,988         |  | 780          | 680          | 507          | 1,967        | 1,022         | 2,988         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2016-17     | 585                          | 670          | 716          | 1,971        | 995           | 2,965         |  | 823          | 656          | 492          | 1,971        | 995           | 2,965         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2017-18     | 567                          | 675          | 717          | 1,959        | 979           | 2,938         |  | 798          | 672          | 489          | 1,959        | 975           | 2,938         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2018-19     | 609                          | 661          | 675          | 1,945        | 1,003         | 2,945         |  | 797          | 682          | 466          | 1,945        | 1,003         | 2,945         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2019-20     | 651                          | 664          | 696          | 2,011        | 988           | 2,996         |  | 869          | 698          | 444          | 2,011        | 989           | 2,996         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2020-21     | 606                          | 614          | 711          | 1,931        | 943           | 2,869         |  | 801          | 664          | 466          | 1,931        | 943           | 2,869         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2021-22     | 631                          | 629          | 702          | 1,962        | 912           | 2,871         |  | 835          | 635          | 492          | 1,962        | 911           | 2,871         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2022-23     | 640                          | 677          | 671          | 1,988        | 910           | 2,894         |  | 879          | 660          | 449          | 1,988        | 910           | 2,894         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| Projected   |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2023-24     | 660                          | 691          | 652          | 2,003        | 931           | 2,934         |  | 874          | 700          | 429          | 2,003        | 930           | 2,934         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2024-25     | 681                          | 717          | 682          | 2,080        | 928           | 3,008         |  | 913          | 718          | 448          | 2,079        | 927           | 3,006         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2025-26     | 663                          | 738          | 730          | 2,131        | 952           | 3,083         |  | 921          | 747          | 463          | 2,131        | 952           | 3,084         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2026-27     | 713                          | 754          | 752          | 2,219        | 946           | 3,165         |  | 938          | 772          | 508          | 2,219        | 945           | 3,164         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2027-28     | 774                          | 780          | 784          | 2,338        | 947           | 3,285         |  | 1,031        | 788          | 519          | 2,338        | 946           | 3,285         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2028-29     | 812                          | 763          | 811          | 2,386        | 1,017         | 3,403         |  | 1,054        | 815          | 517          | 2,386        | 1,015         | 3,402         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2029-30     | 827                          | 812          | 823          | 2,462        | 1,040         | 3,502         |  | 1,101        | 795          | 565          | 2,461        | 1,039         | 3,501         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2030-31     | 797                          | 874          | 845          | 2,516        | 1,076         | 3,592         |  | 1,118        | 842          | 556          | 2,515        | 1,075         | 3,590         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2031-32     | 801                          | 908          | 820          | 2,529        | 1,124         | 3,653         |  | 1,077        | 904          | 549          | 2,529        | 1,123         | 3,653         |
|             |                              |              |              |              |               |               |  |              |              |              |              |               |               |
| 2032-33     | 796                          | 916          | 863          | 2,575        | 1,100         | 3,675         |  | 1,081        | 935          | 559          | 2,576        | 1,100         | 3,676         |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting



**Appendix Table 24**  
**Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-2 |       |      | Grades 3-5 |       |       | Grades 6-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|------|------------|-------|-------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 640        |       |      | 677        |       |       | 671        |       |      | 1,988      |       |       | 910         |       |       | 2,894                 |       |        |
| 2023-24     | 594        | 660   | 726  | 622        | 691   | 760   | 587        | 652   | 717  | 1,803      | 2,003 | 2,203 | 884         | 931   | 978   | 2,687                 | 2,934 | 3,181  |
| 2024-25     | 613        | 681   | 749  | 645        | 717   | 789   | 614        | 682   | 750  | 1,872      | 2,080 | 2,288 | 882         | 928   | 974   | 2,754                 | 3,008 | 3,262  |
| 2025-26     | 597        | 663   | 729  | 664        | 738   | 812   | 657        | 730   | 803  | 1,918      | 2,131 | 2,344 | 904         | 952   | 1,000 | 2,822                 | 3,083 | 3,344  |
| 2026-27     | 642        | 713   | 784  | 679        | 754   | 829   | 677        | 752   | 827  | 1,998      | 2,219 | 2,440 | 899         | 946   | 993   | 2,897                 | 3,165 | 3,433  |
| 2027-28     | 697        | 774   | 851  | 702        | 780   | 858   | 706        | 784   | 862  | 2,105      | 2,338 | 2,571 | 900         | 947   | 994   | 3,005                 | 3,285 | 3,565  |
| 2028-29     | 731        | 812   | 893  | 687        | 763   | 839   | 730        | 811   | 892  | 2,148      | 2,386 | 2,624 | 966         | 1,017 | 1,068 | 3,114                 | 3,403 | 3,692  |
| 2029-30     | 744        | 827   | 910  | 731        | 812   | 893   | 741        | 823   | 905  | 2,216      | 2,462 | 2,708 | 988         | 1,040 | 1,092 | 3,204                 | 3,502 | 3,800  |
| 2030-31     | 717        | 797   | 877  | 787        | 874   | 961   | 761        | 845   | 930  | 2,265      | 2,516 | 2,768 | 1,022       | 1,076 | 1,130 | 3,287                 | 3,592 | 3,898  |
| 2031-32     | 721        | 801   | 881  | 817        | 908   | 999   | 738        | 820   | 902  | 2,276      | 2,529 | 2,782 | 1,068       | 1,124 | 1,180 | 3,344                 | 3,653 | 3,962  |
| 2032-33     | 716        | 796   | 876  | 824        | 916   | 1,008 | 777        | 863   | 949  | 2,317      | 2,575 | 2,833 | 1,045       | 1,100 | 1,155 | 3,362                 | 3,675 | 3,988  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-2 |       |     | Grades 3-5 |       |     | Grades 6-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 640        |       |     | 677        |       |     | 671        |       |     | 1,988      |       |       | 910         |       |       | 2,894                 |       |       |
| 2023-24     | 640        | 660   | 680 | 670        | 691   | 712 | 632        | 652   | 672 | 1,942      | 2,003 | 2,064 | 903         | 931   | 959   | 2,845                 | 2,934 | 3,023 |
| 2024-25     | 661        | 681   | 701 | 695        | 717   | 739 | 662        | 682   | 702 | 2,018      | 2,080 | 2,142 | 900         | 928   | 956   | 2,918                 | 3,008 | 3,098 |
| 2025-26     | 643        | 663   | 683 | 716        | 738   | 760 | 708        | 730   | 752 | 2,067      | 2,131 | 2,195 | 923         | 952   | 981   | 2,990                 | 3,083 | 3,176 |
| 2026-27     | 692        | 713   | 734 | 731        | 754   | 777 | 729        | 752   | 775 | 2,152      | 2,219 | 2,286 | 918         | 946   | 974   | 3,070                 | 3,165 | 3,260 |
| 2027-28     | 751        | 774   | 797 | 757        | 780   | 803 | 760        | 784   | 808 | 2,268      | 2,338 | 2,408 | 919         | 947   | 975   | 3,187                 | 3,285 | 3,383 |
| 2028-29     | 788        | 812   | 836 | 740        | 763   | 786 | 787        | 811   | 835 | 2,315      | 2,386 | 2,457 | 986         | 1,017 | 1,048 | 3,301                 | 3,403 | 3,505 |
| 2029-30     | 802        | 827   | 852 | 788        | 812   | 836 | 798        | 823   | 848 | 2,388      | 2,462 | 2,536 | 1,009       | 1,040 | 1,071 | 3,397                 | 3,502 | 3,607 |
| 2030-31     | 773        | 797   | 821 | 848        | 874   | 900 | 820        | 845   | 870 | 2,441      | 2,516 | 2,591 | 1,044       | 1,076 | 1,108 | 3,485                 | 3,592 | 3,699 |
| 2031-32     | 777        | 801   | 825 | 881        | 908   | 935 | 795        | 820   | 845 | 2,453      | 2,529 | 2,605 | 1,090       | 1,124 | 1,158 | 3,543                 | 3,653 | 3,763 |
| 2032-33     | 772        | 796   | 820 | 889        | 916   | 943 | 837        | 863   | 889 | 2,498      | 2,575 | 2,652 | 1,067       | 1,100 | 1,133 | 3,565                 | 3,675 | 3,785 |

**Notes:** Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 24 - Alternative Grade Groups**  
**Scarborough Attending Enrollment (Resident & Non-Resident) - 2022-23 Housing Impact HIGH Model**

**Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |       | Grades 7-8 |       |      | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |        |
|-------------|------------|-------|-------|------------|-------|-------|------------|-------|------|------------|-------|-------|-------------|-------|-------|-----------------------|-------|--------|
|             | -10%       | Proj. | +10%  | -10%       | Proj. | +10%  | -10%       | Proj. | +10% | -10%       | Proj. | +10%  | -5%         | Proj. | +5%   | -Range                | Proj. | +Range |
| 2022-23*    | 879        |       |       | 660        |       |       | 449        |       |      | 1,988      |       |       | 910         |       |       | 2,894                 |       |        |
| 2023-24     | 787        | 874   | 962   | 630        | 700   | 770   | 386        | 429   | 471  | 1,803      | 2,003 | 2,203 | 884         | 931   | 978   | 2,687                 | 2,934 | 3,181  |
| 2024-25     | 821        | 913   | 1,004 | 646        | 718   | 789   | 404        | 448   | 493  | 1,871      | 2,079 | 2,286 | 882         | 928   | 974   | 2,753                 | 3,007 | 3,260  |
| 2025-26     | 829        | 921   | 1,014 | 672        | 747   | 822   | 416        | 463   | 509  | 1,917      | 2,131 | 2,345 | 904         | 952   | 1,000 | 2,821                 | 3,083 | 3,345  |
| 2026-27     | 844        | 938   | 1,032 | 695        | 772   | 849   | 457        | 508   | 559  | 1,996      | 2,219 | 2,440 | 899         | 946   | 993   | 2,895                 | 3,165 | 3,433  |
| 2027-28     | 928        | 1,031 | 1,134 | 709        | 788   | 867   | 467        | 519   | 571  | 2,104      | 2,338 | 2,572 | 900         | 947   | 994   | 3,004                 | 3,285 | 3,566  |
| 2028-29     | 948        | 1,054 | 1,159 | 734        | 815   | 897   | 466        | 517   | 569  | 2,148      | 2,386 | 2,625 | 966         | 1,017 | 1,068 | 3,114                 | 3,403 | 3,693  |
| 2029-30     | 991        | 1,101 | 1,211 | 715        | 795   | 874   | 509        | 565   | 622  | 2,215      | 2,461 | 2,707 | 988         | 1,040 | 1,092 | 3,203                 | 3,501 | 3,799  |
| 2030-31     | 1,006      | 1,118 | 1,229 | 758        | 842   | 926   | 500        | 556   | 611  | 2,264      | 2,515 | 2,766 | 1,022       | 1,076 | 1,130 | 3,286                 | 3,591 | 3,896  |
| 2031-32     | 969        | 1,077 | 1,184 | 813        | 904   | 994   | 494        | 549   | 604  | 2,276      | 2,529 | 2,782 | 1,068       | 1,124 | 1,180 | 3,344                 | 3,653 | 3,962  |
| 2032-33     | 973        | 1,081 | 1,190 | 841        | 935   | 1,028 | 503        | 559   | 615  | 2,317      | 2,576 | 2,833 | 1,045       | 1,100 | 1,155 | 3,362                 | 3,676 | 3,988  |

**Enrollment Projection Ranges (+/-3%) - October 1st Enrollment**

| School Year | Grades K-3 |       |       | Grades 4-6 |       |     | Grades 7-8 |       |     | Grades K-8 |       |       | Grades 9-12 |       |       | Total All Grades K-12 |       |       |
|-------------|------------|-------|-------|------------|-------|-----|------------|-------|-----|------------|-------|-------|-------------|-------|-------|-----------------------|-------|-------|
|             | -3%        | Proj. | +3%   | -3%        | Proj. | +3% | -3%        | Proj. | +3% | -3%        | Proj. | +3%   | -3%         | Proj. | +3%   | -3%                   | Proj. | 3%    |
| 2022-23*    | 879        |       |       | 660        |       |     | 449        |       |     | 1,988      |       |       | 910         |       |       | 2,894                 |       |       |
| 2023-24     | 848        | 874   | 901   | 679        | 700   | 721 | 416        | 429   | 441 | 1,943      | 2,003 | 2,063 | 903         | 931   | 959   | 2,846                 | 2,934 | 3,022 |
| 2024-25     | 885        | 913   | 940   | 696        | 718   | 739 | 435        | 448   | 462 | 2,016      | 2,079 | 2,141 | 900         | 928   | 956   | 2,916                 | 3,007 | 3,097 |
| 2025-26     | 894        | 921   | 949   | 725        | 747   | 770 | 449        | 463   | 476 | 2,068      | 2,131 | 2,195 | 923         | 952   | 981   | 2,991                 | 3,083 | 3,176 |
| 2026-27     | 910        | 938   | 966   | 749        | 772   | 795 | 493        | 508   | 523 | 2,152      | 2,219 | 2,284 | 918         | 946   | 974   | 3,070                 | 3,165 | 3,258 |
| 2027-28     | 1,000      | 1,031 | 1,062 | 765        | 788   | 812 | 503        | 519   | 534 | 2,268      | 2,338 | 2,408 | 919         | 947   | 975   | 3,187                 | 3,285 | 3,383 |
| 2028-29     | 1,022      | 1,054 | 1,085 | 791        | 815   | 840 | 502        | 517   | 533 | 2,315      | 2,386 | 2,458 | 986         | 1,017 | 1,048 | 3,301                 | 3,403 | 3,506 |
| 2029-30     | 1,068      | 1,101 | 1,134 | 771        | 795   | 819 | 548        | 565   | 582 | 2,387      | 2,461 | 2,535 | 1,009       | 1,040 | 1,071 | 3,396                 | 3,501 | 3,606 |
| 2030-31     | 1,084      | 1,118 | 1,151 | 817        | 842   | 867 | 539        | 556   | 572 | 2,440      | 2,515 | 2,590 | 1,044       | 1,076 | 1,108 | 3,484                 | 3,591 | 3,698 |
| 2031-32     | 1,044      | 1,077 | 1,109 | 877        | 904   | 931 | 532        | 549   | 565 | 2,453      | 2,529 | 2,605 | 1,090       | 1,124 | 1,158 | 3,543                 | 3,653 | 3,763 |
| 2032-33     | 1,049      | 1,081 | 1,114 | 907        | 935   | 963 | 543        | 559   | 576 | 2,499      | 2,576 | 2,653 | 1,067       | 1,100 | 1,133 | 3,566                 | 3,676 | 3,786 |

**Notes:** Enrollment data contains all resident and non-resident students attending district schools except 100% homeschooled students.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 25**

**Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Models**

| School<br>Year | Pleasant Hill |                         |                   |                           | Blue Point |                         |                   |                           | Eight Corners |                         |                   |                           | Total K-2 |                         |                   |                           |
|----------------|---------------|-------------------------|-------------------|---------------------------|------------|-------------------------|-------------------|---------------------------|---------------|-------------------------|-------------------|---------------------------|-----------|-------------------------|-------------------|---------------------------|
|                | Best Fit      | Best Fit +<br>Covid Adj | Housing<br>Impact | Housing<br>Impact<br>HIGH | Best Fit   | Best Fit +<br>Covid Adj | Housing<br>Impact | Housing<br>Impact<br>HIGH | Best Fit      | Best Fit +<br>Covid Adj | Housing<br>Impact | Housing<br>Impact<br>HIGH | Best Fit  | Best Fit +<br>Covid Adj | Housing<br>Impact | Housing<br>Impact<br>HIGH |
| Historical     |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2022-23        | 197           |                         |                   |                           | 215        |                         |                   |                           | 227           |                         |                   |                           | 639       |                         |                   |                           |
| Projected      |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2023-24        | 195           | 197                     | 197               | 198                       | 212        | 219                     | 220               | 226                       | 226           | 230                     | 232               | 237                       | 633       | 646                     | 649               | 661                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2024-25        | 203           | 207                     | 207               | 209                       | 205        | 211                     | 214               | 221                       | 236           | 238                     | 241               | 250                       | 644       | 656                     | 662               | 680                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2025-26        | 194           | 194                     | 194               | 197                       | 209        | 213                     | 215               | 227                       | 226           | 227                     | 230               | 241                       | 629       | 634                     | 639               | 665                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2026-27        | 205           | 208                     | 208               | 212                       | 224        | 228                     | 230               | 243                       | 243           | 243                     | 246               | 258                       | 672       | 679                     | 684               | 713                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2027-28        | 225           | 227                     | 227               | 232                       | 244        | 248                     | 250               | 263                       | 264           | 264                     | 267               | 280                       | 733       | 739                     | 744               | 775                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2028-29        | 236           | 238                     | 238               | 243                       | 258        | 263                     | 264               | 277                       | 277           | 277                     | 280               | 292                       | 771       | 778                     | 782               | 812                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2029-30        | 239           | 244                     | 244               | 247                       | 259        | 269                     | 271               | 282                       | 279           | 283                     | 287               | 297                       | 777       | 796                     | 802               | 826                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2030-31        | 227           | 237                     | 237               | 239                       | 246        | 261                     | 262               | 271                       | 262           | 273                     | 277               | 286                       | 735       | 771                     | 776               | 796                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2031-32        | 227           | 241                     | 241               | 242                       | 246        | 264                     | 266               | 273                       | 262           | 277                     | 280               | 287                       | 735       | 782                     | 787               | 802                       |
|                |               |                         |                   |                           |            |                         |                   |                           |               |                         |                   |                           |           |                         |                   |                           |
| 2032-33        | 227           | 240                     | 240               | 241                       | 246        | 262                     | 265               | 270                       | 262           | 277                     | 280               | 286                       | 735       | 779                     | 785               | 797                       |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 26**

**Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model**

| School Year       | Pleasant Hill |     |     |           | Blue Point |     |     |           | Eight Corners |     |     |           | Total |     |     |           |
|-------------------|---------------|-----|-----|-----------|------------|-----|-----|-----------|---------------|-----|-----|-----------|-------|-----|-----|-----------|
|                   | K             | 1st | 2nd | Total K-2 | K          | 1st | 2nd | Total K-2 | K             | 1st | 2nd | Total K-2 | K     | 1st | 2nd | Total K-2 |
| <b>Historical</b> |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2012-13           | 42            | 55  | 57  | 154       | 81         | 73  | 70  | 224       | 79            | 78  | 89  | 246       | 202   | 206 | 216 | 624       |
| 2013-14           | 59            | 48  | 58  | 165       | 68         | 81  | 81  | 230       | 77            | 70  | 86  | 233       | 204   | 199 | 225 | 628       |
| 2014-15           | 61            | 61  | 51  | 173       | 79         | 66  | 78  | 223       | 67            | 85  | 69  | 221       | 207   | 212 | 198 | 617       |
| 2015-16           | 51            | 60  | 62  | 173       | 42         | 78  | 70  | 190       | 63            | 71  | 84  | 218       | 156   | 209 | 216 | 581       |
| 2016-17           | 60            | 52  | 60  | 172       | 63         | 49  | 78  | 190       | 70            | 72  | 81  | 223       | 193   | 173 | 219 | 585       |
| 2017-18           | 56            | 60  | 55  | 171       | 60         | 63  | 49  | 172       | 70            | 76  | 77  | 223       | 186   | 199 | 181 | 566       |
| 2018-19           | 70            | 53  | 65  | 188       | 62         | 66  | 69  | 197       | 77            | 68  | 78  | 223       | 209   | 187 | 212 | 608       |
| 2019-20           | 76            | 73  | 56  | 205       | 72         | 70  | 59  | 201       | 90            | 80  | 73  | 243       | 238   | 223 | 188 | 649       |
| 2020-21           | 48            | 71  | 65  | 184       | 65         | 74  | 59  | 198       | 66            | 76  | 82  | 224       | 179   | 221 | 206 | 606       |
| 2021-22           | 58            | 60  | 74  | 192       | 73         | 62  | 72  | 207       | 68            | 73  | 89  | 230       | 199   | 195 | 235 | 629       |
| 2022-23           | 71            | 60  | 66  | 197       | 63         | 83  | 69  | 215       | 84            | 70  | 73  | 227       | 218   | 213 | 208 | 639       |
| <b>Projected</b>  |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2023-24           | 58            | 74  | 63  | 195       | 63         | 67  | 82  | 212       | 69            | 83  | 74  | 226       | 190   | 224 | 219 | 633       |
| 2024-25           | 66            | 60  | 77  | 203       | 72         | 67  | 66  | 205       | 79            | 69  | 88  | 236       | 217   | 196 | 231 | 644       |
| 2025-26           | 63            | 68  | 63  | 194       | 66         | 77  | 66  | 209       | 74            | 79  | 73  | 226       | 203   | 224 | 202 | 629       |
| 2026-27           | 71            | 64  | 70  | 205       | 77         | 71  | 76  | 224       | 85            | 74  | 84  | 243       | 233   | 209 | 230 | 672       |
| 2027-28           | 85            | 73  | 67  | 225       | 92         | 82  | 70  | 244       | 101           | 85  | 78  | 264       | 278   | 240 | 215 | 733       |
| 2028-29           | 73            | 87  | 76  | 236       | 79         | 98  | 81  | 258       | 86            | 101 | 90  | 277       | 238   | 286 | 247 | 771       |
| 2029-30           | 73            | 75  | 91  | 239       | 79         | 84  | 96  | 259       | 86            | 86  | 107 | 279       | 238   | 245 | 294 | 777       |
| 2030-31           | 73            | 75  | 79  | 227       | 79         | 84  | 83  | 246       | 86            | 86  | 90  | 262       | 238   | 245 | 252 | 735       |
| 2031-32           | 73            | 75  | 79  | 227       | 79         | 84  | 83  | 246       | 86            | 86  | 90  | 262       | 238   | 245 | 252 | 735       |
| 2032-33           | 73            | 75  | 79  | 227       | 79         | 84  | 83  | 246       | 86            | 86  | 90  | 262       | 238   | 245 | 252 | 735       |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 27  |               |       |      |            |       |      |               |       |      |                      |       |        |
|--|---------------|-------|------|------------|-------|------|---------------|-------|------|----------------------|-------|--------|
| All Scarborough Resident Students - 2022-23 Best Fit Model               |               |       |      |            |       |      |               |       |      |                      |       |        |
| Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -10%          | Proj. | +10% | -10%       | Proj. | +10% | -10%          | Proj. | +10% | -Range               | Proj. | +Range |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 176           | 195   | 215  | 191        | 212   | 233  | 203           | 226   | 249  | 570                  | 633   | 697    |
| 2024-25  | 183           | 203   | 223  | 185        | 205   | 226  | 212           | 236   | 260  | 580                  | 644   | 709    |
| 2025-26  | 175           | 194   | 213  | 188        | 209   | 230  | 203           | 226   | 249  | 566                  | 629   | 692    |
| 2026-27  | 185           | 205   | 226  | 202        | 224   | 246  | 219           | 243   | 267  | 606                  | 672   | 739    |
| 2027-28  | 203           | 225   | 248  | 220        | 244   | 268  | 238           | 264   | 290  | 661                  | 733   | 806    |
| 2028-29  | 212           | 236   | 260  | 232        | 258   | 284  | 249           | 277   | 305  | 693                  | 771   | 849    |
| 2029-30  | 215           | 239   | 263  | 233        | 259   | 285  | 251           | 279   | 307  | 699                  | 777   | 855    |
| 2030-31  | 204           | 227   | 250  | 221        | 246   | 271  | 236           | 262   | 288  | 661                  | 735   | 809    |
| 2031-32  | 204           | 227   | 250  | 221        | 246   | 271  | 236           | 262   | 288  | 661                  | 735   | 809    |
| 2032-33  | 204           | 227   | 250  | 221        | 246   | 271  | 236           | 262   | 288  | 661                  | 735   | 809    |
| Enrollment Projection Ranges (+/-3%) - October 1st Enrollment            |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -3%           | Proj. | +3%  | -3%        | Proj. | +3%  | -3%           | Proj. | +3%  | -3%                  | Proj. | 3%     |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 189           | 195   | 201  | 206        | 212   | 218  | 219           | 226   | 233  | 614                  | 633   | 652    |
| 2024-25  | 197           | 203   | 209  | 199        | 205   | 211  | 229           | 236   | 243  | 625                  | 644   | 663    |
| 2025-26  | 188           | 194   | 200  | 203        | 209   | 215  | 219           | 226   | 233  | 610                  | 629   | 648    |
| 2026-27  | 199           | 205   | 211  | 217        | 224   | 231  | 236           | 243   | 250  | 652                  | 672   | 692    |
| 2027-28  | 218           | 225   | 232  | 237        | 244   | 251  | 256           | 264   | 272  | 711                  | 733   | 755    |
| 2028-29  | 229           | 236   | 243  | 250        | 258   | 266  | 269           | 277   | 285  | 748                  | 771   | 794    |
| 2029-30  | 232           | 239   | 246  | 251        | 259   | 267  | 271           | 279   | 287  | 754                  | 777   | 800    |
| 2030-31  | 220           | 227   | 234  | 239        | 246   | 253  | 254           | 262   | 270  | 713                  | 735   | 757    |
| 2031-32  | 220           | 227   | 234  | 239        | 246   | 253  | 254           | 262   | 270  | 713                  | 735   | 757    |
| 2032-33  | 220           | 227   | 234  | 239        | 246   | 253  | 254           | 262   | 270  | 713                  | 735   | 757    |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 28**

**Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Best Fit Model + COVID ADJUSTMENT**

| School Year       | Pleasant Hill |     |     |           | Blue Point |     |     |           | Eight Corners |     |     |           | Total |     |     |           |
|-------------------|---------------|-----|-----|-----------|------------|-----|-----|-----------|---------------|-----|-----|-----------|-------|-----|-----|-----------|
|                   | K             | 1st | 2nd | Total K-2 | K          | 1st | 2nd | Total K-2 | K             | 1st | 2nd | Total K-2 | K     | 1st | 2nd | Total K-2 |
| <b>Historical</b> |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2012-13           | 42            | 55  | 57  | 154       | 81         | 73  | 70  | 224       | 79            | 78  | 89  | 246       | 202   | 206 | 216 | 625       |
| 2013-14           | 59            | 48  | 58  | 165       | 68         | 81  | 81  | 230       | 77            | 70  | 86  | 233       | 204   | 199 | 225 | 629       |
| 2014-15           | 61            | 61  | 51  | 173       | 79         | 66  | 78  | 223       | 67            | 85  | 69  | 221       | 207   | 212 | 198 | 618       |
| 2015-16           | 51            | 60  | 62  | 173       | 42         | 78  | 70  | 190       | 63            | 71  | 84  | 218       | 156   | 209 | 216 | 582       |
| 2016-17           | 60            | 52  | 60  | 172       | 63         | 49  | 78  | 190       | 70            | 72  | 81  | 223       | 193   | 173 | 219 | 586       |
| 2017-18           | 56            | 60  | 55  | 171       | 60         | 63  | 49  | 172       | 70            | 76  | 77  | 223       | 186   | 199 | 181 | 567       |
| 2018-19           | 70            | 53  | 65  | 188       | 62         | 66  | 69  | 197       | 77            | 68  | 78  | 223       | 209   | 187 | 212 | 609       |
| 2019-20           | 76            | 73  | 56  | 205       | 72         | 70  | 59  | 201       | 90            | 80  | 73  | 243       | 238   | 223 | 188 | 650       |
| 2020-21           | 48            | 71  | 65  | 184       | 65         | 74  | 59  | 198       | 66            | 76  | 82  | 224       | 179   | 221 | 206 | 607       |
| 2021-22           | 58            | 60  | 74  | 192       | 73         | 62  | 72  | 207       | 68            | 73  | 89  | 230       | 199   | 195 | 235 | 630       |
| 2022-23           | 71            | 60  | 66  | 197       | 63         | 83  | 69  | 215       | 84            | 70  | 73  | 227       | 218   | 213 | 208 | 640       |
| <b>Projected</b>  |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2023-24           | 57            | 76  | 64  | 197       | 65         | 69  | 85  | 219       | 71            | 85  | 74  | 230       | 193   | 230 | 223 | 646       |
| 2024-25           | 66            | 60  | 81  | 207       | 74         | 67  | 70  | 211       | 80            | 69  | 89  | 238       | 220   | 196 | 240 | 656       |
| 2025-26           | 62            | 68  | 64  | 194       | 68         | 77  | 68  | 213       | 75            | 79  | 73  | 227       | 205   | 224 | 205 | 634       |
| 2026-27           | 71            | 64  | 73  | 208       | 79         | 71  | 78  | 228       | 86            | 74  | 83  | 243       | 236   | 209 | 234 | 679       |
| 2027-28           | 85            | 73  | 69  | 227       | 94         | 82  | 72  | 248       | 102           | 85  | 77  | 264       | 281   | 240 | 218 | 739       |
| 2028-29           | 73            | 87  | 78  | 238       | 81         | 98  | 84  | 263       | 87            | 101 | 89  | 277       | 241   | 286 | 251 | 778       |
| 2029-30           | 76            | 75  | 93  | 244       | 85         | 84  | 100 | 269       | 91            | 86  | 106 | 283       | 252   | 245 | 299 | 796       |
| 2030-31           | 78            | 79  | 80  | 237       | 87         | 88  | 86  | 261       | 93            | 90  | 90  | 273       | 258   | 257 | 256 | 771       |
| 2031-32           | 75            | 81  | 85  | 241       | 84         | 90  | 90  | 264       | 91            | 92  | 94  | 277       | 250   | 263 | 269 | 782       |
| 2032-33           | 75            | 78  | 87  | 240       | 84         | 87  | 91  | 262       | 91            | 90  | 96  | 277       | 250   | 255 | 274 | 779       |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 29  |               |       |      |            |       |      |               |       |      |                      |       |        |
|--|---------------|-------|------|------------|-------|------|---------------|-------|------|----------------------|-------|--------|
| All Scarborough Resident Students - 2022-23 Best Fit Model +COVID ADJUSTMENT |               |       |      |            |       |      |               |       |      |                      |       |        |
| Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment     |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -10%          | Proj. | +10% | -10%       | Proj. | +10% | -10%          | Proj. | +10% | -Range               | Proj. | +Range |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 177           | 197   | 217  | 197        | 219   | 241  | 207           | 230   | 253  | 581                  | 646   | 711    |
| 2024-25  | 186           | 207   | 228  | 190        | 211   | 232  | 214           | 238   | 262  | 590                  | 656   | 722    |
| 2025-26  | 175           | 194   | 213  | 192        | 213   | 234  | 204           | 227   | 250  | 571                  | 634   | 697    |
| 2026-27  | 187           | 208   | 229  | 205        | 228   | 251  | 219           | 243   | 267  | 611                  | 679   | 747    |
| 2027-28  | 204           | 227   | 250  | 223        | 248   | 273  | 238           | 264   | 290  | 665                  | 739   | 813    |
| 2028-29  | 214           | 238   | 262  | 237        | 263   | 289  | 249           | 277   | 305  | 700                  | 778   | 856    |
| 2029-30  | 220           | 244   | 268  | 242        | 269   | 296  | 255           | 283   | 311  | 717                  | 796   | 875    |
| 2030-31  | 213           | 237   | 261  | 235        | 261   | 287  | 246           | 273   | 300  | 694                  | 771   | 848    |
| 2031-32  | 217           | 241   | 265  | 238        | 264   | 290  | 249           | 277   | 305  | 704                  | 782   | 860    |
| 2032-33  | 216           | 240   | 264  | 236        | 262   | 288  | 249           | 277   | 305  | 701                  | 779   | 857    |
| Enrollment Projection Ranges (+/-3%) - October 1st Enrollment                |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -3%           | Proj. | +3%  | -3%        | Proj. | +3%  | -3%           | Proj. | +3%  | -3%                  | Proj. | 3%     |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 191           | 197   | 203  | 212        | 219   | 226  | 223           | 230   | 237  | 626                  | 646   | 666    |
| 2024-25  | 201           | 207   | 213  | 205        | 211   | 217  | 231           | 238   | 245  | 637                  | 656   | 675    |
| 2025-26  | 188           | 194   | 200  | 207        | 213   | 219  | 220           | 227   | 234  | 615                  | 634   | 653    |
| 2026-27  | 202           | 208   | 214  | 221        | 228   | 235  | 236           | 243   | 250  | 659                  | 679   | 699    |
| 2027-28  | 220           | 227   | 234  | 241        | 248   | 255  | 256           | 264   | 272  | 717                  | 739   | 761    |
| 2028-29  | 231           | 238   | 245  | 255        | 263   | 271  | 269           | 277   | 285  | 755                  | 778   | 801    |
| 2029-30  | 237           | 244   | 251  | 261        | 269   | 277  | 275           | 283   | 291  | 773                  | 796   | 819    |
| 2030-31  | 230           | 237   | 244  | 253        | 261   | 269  | 265           | 273   | 281  | 748                  | 771   | 794    |
| 2031-32  | 234           | 241   | 248  | 256        | 264   | 272  | 269           | 277   | 285  | 759                  | 782   | 805    |
| 2032-33  | 233           | 240   | 247  | 254        | 262   | 270  | 269           | 277   | 285  | 756                  | 779   | 802    |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 30**

**Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact Model**

| School Year       | Pleasant Hill |     |     |           | Blue Point |     |     |           | Eight Corners |     |     |           | Total |     |     |           |
|-------------------|---------------|-----|-----|-----------|------------|-----|-----|-----------|---------------|-----|-----|-----------|-------|-----|-----|-----------|
|                   | K             | 1st | 2nd | Total K-2 | K          | 1st | 2nd | Total K-2 | K             | 1st | 2nd | Total K-2 | K     | 1st | 2nd | Total K-2 |
| <b>Historical</b> |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2012-13           | 42            | 55  | 57  | 154       | 81         | 73  | 70  | 224       | 79            | 78  | 89  | 246       | 202   | 206 | 216 | 625       |
| 2013-14           | 59            | 48  | 58  | 165       | 68         | 81  | 81  | 230       | 77            | 70  | 86  | 233       | 204   | 199 | 225 | 629       |
| 2014-15           | 61            | 61  | 51  | 173       | 79         | 66  | 78  | 223       | 67            | 85  | 69  | 221       | 207   | 212 | 198 | 618       |
| 2015-16           | 51            | 60  | 62  | 173       | 42         | 78  | 70  | 190       | 63            | 71  | 84  | 218       | 156   | 209 | 216 | 582       |
| 2016-17           | 60            | 52  | 60  | 172       | 63         | 49  | 78  | 190       | 70            | 72  | 81  | 223       | 193   | 173 | 219 | 586       |
| 2017-18           | 56            | 60  | 55  | 171       | 60         | 63  | 49  | 172       | 70            | 76  | 77  | 223       | 186   | 199 | 181 | 567       |
| 2018-19           | 70            | 53  | 65  | 188       | 62         | 66  | 69  | 197       | 77            | 68  | 78  | 223       | 209   | 187 | 212 | 609       |
| 2019-20           | 76            | 73  | 56  | 205       | 72         | 70  | 59  | 201       | 90            | 80  | 73  | 243       | 238   | 223 | 188 | 650       |
| 2020-21           | 48            | 71  | 65  | 184       | 65         | 74  | 59  | 198       | 66            | 76  | 82  | 224       | 179   | 221 | 206 | 607       |
| 2021-22           | 58            | 60  | 74  | 192       | 73         | 62  | 72  | 207       | 68            | 73  | 89  | 230       | 199   | 195 | 235 | 630       |
| 2022-23           | 71            | 60  | 66  | 197       | 63         | 83  | 69  | 215       | 84            | 70  | 73  | 227       | 218   | 213 | 208 | 640       |
| <b>Projected</b>  |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2023-24           | 57            | 76  | 64  | 197       | 66         | 69  | 85  | 220       | 71            | 86  | 75  | 232       | 194   | 231 | 224 | 649       |
| 2024-25           | 66            | 60  | 81  | 207       | 75         | 68  | 71  | 214       | 80            | 70  | 91  | 241       | 221   | 198 | 243 | 662       |
| 2025-26           | 62            | 68  | 64  | 194       | 69         | 77  | 69  | 215       | 75            | 80  | 75  | 230       | 206   | 225 | 208 | 639       |
| 2026-27           | 71            | 64  | 73  | 208       | 80         | 71  | 79  | 230       | 86            | 75  | 85  | 246       | 237   | 210 | 237 | 684       |
| 2027-28           | 85            | 73  | 69  | 227       | 94         | 83  | 73  | 250       | 102           | 86  | 79  | 267       | 281   | 242 | 221 | 744       |
| 2028-29           | 73            | 87  | 78  | 238       | 81         | 98  | 85  | 264       | 87            | 102 | 91  | 280       | 241   | 287 | 254 | 782       |
| 2029-30           | 76            | 75  | 93  | 244       | 86         | 84  | 101 | 271       | 91            | 88  | 108 | 287       | 253   | 247 | 302 | 802       |
| 2030-31           | 78            | 79  | 80  | 237       | 87         | 88  | 87  | 262       | 93            | 92  | 92  | 277       | 258   | 259 | 259 | 776       |
| 2031-32           | 75            | 81  | 85  | 241       | 85         | 90  | 91  | 266       | 91            | 93  | 96  | 280       | 251   | 264 | 272 | 787       |
| 2032-33           | 75            | 78  | 87  | 240       | 85         | 87  | 93  | 265       | 91            | 91  | 98  | 280       | 251   | 256 | 278 | 785       |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting



| Appendix Table 31  |               |       |      |            |       |      |               |       |      |                      |       |        |
|--|---------------|-------|------|------------|-------|------|---------------|-------|------|----------------------|-------|--------|
| All Scarborough Resident Students - 2022-23 Housing Impact Model         |               |       |      |            |       |      |               |       |      |                      |       |        |
| Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -10%          | Proj. | +10% | -10%       | Proj. | +10% | -10%          | Proj. | +10% | -Range               | Proj. | +Range |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 177           | 197   | 217  | 198        | 220   | 242  | 209           | 232   | 255  | 584                  | 649   | 714    |
| 2024-25  | 186           | 207   | 228  | 193        | 214   | 235  | 217           | 241   | 265  | 596                  | 662   | 728    |
| 2025-26  | 175           | 194   | 213  | 194        | 215   | 237  | 207           | 230   | 253  | 576                  | 639   | 703    |
| 2026-27  | 187           | 208   | 229  | 207        | 230   | 253  | 221           | 246   | 271  | 615                  | 684   | 753    |
| 2027-28  | 204           | 227   | 250  | 225        | 250   | 275  | 240           | 267   | 294  | 669                  | 744   | 819    |
| 2028-29  | 214           | 238   | 262  | 238        | 264   | 290  | 252           | 280   | 308  | 704                  | 782   | 860    |
| 2029-30  | 220           | 244   | 268  | 244        | 271   | 298  | 258           | 287   | 316  | 722                  | 802   | 882    |
| 2030-31  | 213           | 237   | 261  | 236        | 262   | 288  | 249           | 277   | 305  | 698                  | 776   | 854    |
| 2031-32  | 217           | 241   | 265  | 239        | 266   | 293  | 252           | 280   | 308  | 708                  | 787   | 866    |
| 2032-33  | 216           | 240   | 264  | 239        | 265   | 292  | 252           | 280   | 308  | 707                  | 785   | 864    |
| Enrollment Projection Ranges (+/-3%) - October 1st Enrollment            |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -3%           | Proj. | +3%  | -3%        | Proj. | +3%  | -3%           | Proj. | +3%  | -3%                  | Proj. | 3%     |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 191           | 197   | 203  | 213        | 220   | 227  | 225           | 232   | 239  | 629                  | 649   | 669    |
| 2024-25  | 201           | 207   | 213  | 208        | 214   | 220  | 234           | 241   | 248  | 643                  | 662   | 681    |
| 2025-26  | 188           | 194   | 200  | 209        | 215   | 221  | 223           | 230   | 237  | 620                  | 639   | 658    |
| 2026-27  | 202           | 208   | 214  | 223        | 230   | 237  | 239           | 246   | 253  | 664                  | 684   | 704    |
| 2027-28  | 220           | 227   | 234  | 243        | 250   | 258  | 259           | 267   | 275  | 722                  | 744   | 767    |
| 2028-29  | 231           | 238   | 245  | 256        | 264   | 272  | 272           | 280   | 288  | 759                  | 782   | 805    |
| 2029-30  | 237           | 244   | 251  | 263        | 271   | 279  | 278           | 287   | 296  | 778                  | 802   | 826    |
| 2030-31  | 230           | 237   | 244  | 254        | 262   | 270  | 269           | 277   | 285  | 753                  | 776   | 799    |
| 2031-32  | 234           | 241   | 248  | 258        | 266   | 274  | 272           | 280   | 288  | 764                  | 787   | 810    |
| 2032-33  | 233           | 240   | 247  | 257        | 265   | 273  | 272           | 280   | 288  | 762                  | 785   | 808    |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

**Appendix Table 32**

**Enrollment Trends & Projections - By Primary School - Scarborough Attending Resident Enrollment - 2022-23 Housing Impact HIGH Model**

| School Year       | Pleasant Hill |     |     |           | Blue Point |     |     |           | Eight Corners |     |     |           | Total |     |     |           |
|-------------------|---------------|-----|-----|-----------|------------|-----|-----|-----------|---------------|-----|-----|-----------|-------|-----|-----|-----------|
|                   | K             | 1st | 2nd | Total K-2 | K          | 1st | 2nd | Total K-2 | K             | 1st | 2nd | Total K-2 | K     | 1st | 2nd | Total K-2 |
| <b>Historical</b> |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2012-13           | 42            | 55  | 57  | 154       | 81         | 73  | 70  | 224       | 79            | 78  | 89  | 246       | 202   | 206 | 216 | 625       |
| 2013-14           | 59            | 48  | 58  | 165       | 68         | 81  | 81  | 230       | 77            | 70  | 86  | 233       | 204   | 199 | 225 | 629       |
| 2014-15           | 61            | 61  | 51  | 173       | 79         | 66  | 78  | 223       | 67            | 85  | 69  | 221       | 207   | 212 | 198 | 618       |
| 2015-16           | 51            | 60  | 62  | 173       | 42         | 78  | 70  | 190       | 63            | 71  | 84  | 218       | 156   | 209 | 216 | 582       |
| 2016-17           | 60            | 52  | 60  | 172       | 63         | 49  | 78  | 190       | 70            | 72  | 81  | 223       | 193   | 173 | 219 | 586       |
| 2017-18           | 56            | 60  | 55  | 171       | 60         | 63  | 49  | 172       | 70            | 76  | 77  | 223       | 186   | 199 | 181 | 567       |
| 2018-19           | 70            | 53  | 65  | 188       | 62         | 66  | 69  | 197       | 77            | 68  | 78  | 223       | 209   | 187 | 212 | 609       |
| 2019-20           | 76            | 73  | 56  | 205       | 72         | 70  | 59  | 201       | 90            | 80  | 73  | 243       | 238   | 223 | 188 | 650       |
| 2020-21           | 48            | 71  | 65  | 184       | 65         | 74  | 59  | 198       | 66            | 76  | 82  | 224       | 179   | 221 | 206 | 607       |
| 2021-22           | 58            | 60  | 74  | 192       | 73         | 62  | 72  | 207       | 68            | 73  | 89  | 230       | 199   | 195 | 235 | 630       |
| 2022-23           | 71            | 60  | 66  | 197       | 63         | 83  | 69  | 215       | 84            | 70  | 73  | 227       | 218   | 213 | 208 | 640       |
| <b>Projected</b>  |               |     |     |           |            |     |     |           |               |     |     |           |       |     |     |           |
| 2023-24           | 58            | 76  | 64  | 198       | 69         | 71  | 86  | 226       | 73            | 89  | 75  | 237       | 200   | 236 | 225 | 661       |
| 2024-25           | 67            | 61  | 81  | 209       | 78         | 69  | 74  | 221       | 83            | 73  | 94  | 250       | 228   | 203 | 249 | 680       |
| 2025-26           | 63            | 69  | 65  | 197       | 74         | 80  | 73  | 227       | 79            | 83  | 79  | 241       | 216   | 232 | 217 | 665       |
| 2026-27           | 73            | 65  | 74  | 212       | 85         | 74  | 84  | 243       | 90            | 79  | 89  | 258       | 248   | 218 | 247 | 713       |
| 2027-28           | 87            | 74  | 71  | 232       | 99         | 86  | 78  | 263       | 106           | 90  | 84  | 280       | 292   | 250 | 233 | 775       |
| 2028-29           | 75            | 88  | 80  | 243       | 86         | 101 | 90  | 277       | 90            | 106 | 96  | 292       | 251   | 295 | 266 | 812       |
| 2029-30           | 77            | 76  | 94  | 247       | 90         | 86  | 106 | 282       | 94            | 91  | 112 | 297       | 261   | 253 | 312 | 826       |
| 2030-31           | 79            | 79  | 81  | 239       | 90         | 90  | 91  | 271       | 95            | 95  | 96  | 286       | 264   | 264 | 268 | 796       |
| 2031-32           | 76            | 81  | 85  | 242       | 87         | 92  | 94  | 273       | 92            | 96  | 99  | 287       | 255   | 269 | 278 | 802       |
| 2032-33           | 76            | 78  | 87  | 241       | 87         | 88  | 95  | 270       | 92            | 94  | 100 | 286       | 255   | 260 | 282 | 797       |

**Notes:** Based on October 1st Enrollment. Enrollment data contains all attending resident students. Excludes any resident students attending school outside of district schools, and excludes any non-resident students attending district schools

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

| Appendix Table 33  |               |       |      |            |       |      |               |       |      |                      |       |        |
|--|---------------|-------|------|------------|-------|------|---------------|-------|------|----------------------|-------|--------|
| All Scarborough Resident Students - 2022-23 Housing Impact HIGH Model    |               |       |      |            |       |      |               |       |      |                      |       |        |
| Enrollment Projection Ranges (+/-5% and +/-10%) - October 1st Enrollment |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -10%          | Proj. | +10% | -10%       | Proj. | +10% | -10%          | Proj. | +10% | -Range               | Proj. | +Range |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 178           | 198   | 218  | 203        | 226   | 249  | 213           | 237   | 261  | 594                  | 661   | 728    |
| 2024-25  | 188           | 209   | 230  | 199        | 221   | 243  | 225           | 250   | 275  | 612                  | 680   | 748    |
| 2025-26  | 177           | 197   | 217  | 204        | 227   | 250  | 217           | 241   | 265  | 598                  | 665   | 732    |
| 2026-27  | 191           | 212   | 233  | 219        | 243   | 267  | 232           | 258   | 284  | 642                  | 713   | 784    |
| 2027-28  | 209           | 232   | 255  | 237        | 263   | 289  | 252           | 280   | 308  | 698                  | 775   | 852    |
| 2028-29  | 219           | 243   | 267  | 249        | 277   | 305  | 263           | 292   | 321  | 731                  | 812   | 893    |
| 2029-30  | 222           | 247   | 272  | 254        | 282   | 310  | 267           | 297   | 327  | 743                  | 826   | 909    |
| 2030-31  | 215           | 239   | 263  | 244        | 271   | 298  | 257           | 286   | 315  | 716                  | 796   | 876    |
| 2031-32  | 218           | 242   | 266  | 246        | 273   | 300  | 258           | 287   | 316  | 722                  | 802   | 882    |
| 2032-33  | 217           | 241   | 265  | 243        | 270   | 297  | 257           | 286   | 315  | 717                  | 797   | 877    |
| Enrollment Projection Ranges (+/-3%) - October 1st Enrollment            |               |       |      |            |       |      |               |       |      |                      |       |        |
| School Year  | Pleasant Hill |       |      | Blue Point |       |      | Eight Corners |       |      | Total All Grades K-2 |       |        |
|  | -3%           | Proj. | +3%  | -3%        | Proj. | +3%  | -3%           | Proj. | +3%  | -3%                  | Proj. | 3%     |
| 2022-23*   | 197           |       |      | 215        |       |      | 227           |       |      | 640                  |       |        |
| 2023-24  | 192           | 198   | 204  | 219        | 226   | 233  | 230           | 237   | 244  | 641                  | 661   | 681    |
| 2024-25  | 203           | 209   | 215  | 214        | 221   | 228  | 243           | 250   | 258  | 660                  | 680   | 701    |
| 2025-26  | 191           | 197   | 203  | 220        | 227   | 234  | 234           | 241   | 248  | 645                  | 665   | 685    |
| 2026-27  | 206           | 212   | 218  | 236        | 243   | 250  | 250           | 258   | 266  | 692                  | 713   | 734    |
| 2027-28  | 225           | 232   | 239  | 255        | 263   | 271  | 272           | 280   | 288  | 752                  | 775   | 798    |
| 2028-29  | 236           | 243   | 250  | 269        | 277   | 285  | 283           | 292   | 301  | 788                  | 812   | 836    |
| 2029-30  | 240           | 247   | 254  | 274        | 282   | 290  | 288           | 297   | 306  | 802                  | 826   | 850    |
| 2030-31  | 232           | 239   | 246  | 263        | 271   | 279  | 277           | 286   | 295  | 772                  | 796   | 820    |
| 2031-32  | 235           | 242   | 249  | 265        | 273   | 281  | 278           | 287   | 296  | 778                  | 802   | 826    |
| 2032-33  | 234           | 241   | 248  | 262        | 270   | 278  | 277           | 286   | 295  | 773                  | 797   | 821    |

**Notes:** October 1st Enrollment data. Enrollment data contains all resident students but excludes 100% homeschooled students and students at private schools with the exception of Thornton Academy.

2022-23 Best Fit Model Enrollment Projections for Scarborough, Completed March 2023

Data produced by Wandell Consulting

## **APPENDIX B**

# **INFORMATION ON ENROLLMENT DATA & METHODOLOGIES USED FOR PROJECTION STUDIES**

# Enrollment Data and Methodologies Used for Projection Studies

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## Enrollment Data Used for the Projection Study:

- The enrollment data used for these projections is based on the October 1<sup>st</sup> resident enrollment count by school year. Historical enrollment data is obtained directly from the Maine Department of Education. If a study is completed in October to December of a school year the data may need to be obtained directly from the school district. Sometimes data supplied by the school district is different from what MDOE will show because of reporting differences, inconsistencies or errors adjusted over time. Although it does not happen often, it is important to understand it can happen and is often the source of differences in enrollment count between studies.
- It is also important to understand the resident enrollment and attending enrollment figures will not necessarily correlate with EPS funding counts of students. Specifics on what is included in the different types of enrollment counts, please visit the MDOE data center: <https://www.maine.gov/doe/data-reporting/reporting/warehouse>

## Types of Enrollment Data:

1. **Total Resident Enrollment:** the count of all students living in the district's town(s) regardless of where they attend school.
2. **Attending Resident Enrollment:** the count of resident students attending a district's school(s).
3. **Enrollment of Resident Students Attending Out of District Schools:** the count of resident students attending other district schools either as tuition students, choice tuition students, superintendent agreements, or other such similar situations.
4. **Non-Resident Attending Enrollment:** is the count of students from other districts attending the resident district's schools.
5. **Private School Enrollment:** is the count of students attending private schools. Enrollment of students attending private schools is often excluded from the study because private schools do not always submit their enrollment counts, or MDOE did not always include the data in the resident enrollment count. For example, the enrollment for one year will show 10 students attending private school X, the following year

there are zero students attending private school X, then in the next school year private school X suddenly has an enrollment of 15 students. These variations in enrollment count only serve to distort the migration trends used to make the projections.

However, private school student enrollment will remain if the district in question pays for students to attend the private school. An example of this is Saco students attending Thornton Academy. In these cases the private school enrollment count is consistently reported and there are no issues with consistency of historical data.

6. **Home Schooled Students:** is the count of students educated at home. Historical enrollment data of home-schooled students is inconsistent. Some districts do a good job of tracking home schooled students by grade, others only have grade group data, some have the information for several school years while others may only have information readily available on the most recent couple of school years. MDOE also has historical home-schooled enrollment, but the counts are not as readily available. Therefore, home schooled enrollment is generally not projected unless a district can provide consistent data.

**PAST Projections verse CURRENT Projections:** When comparing past enrollment studies to future studies, it is important to understand the differences in enrollment data. With the older enrollment studies a detailed breakdown of enrollment was often not readily available. In other cases the data supplied by a district for the past study was adjusted by the district and/or MDOE following the completion of the projections. When comparing past studies to current studies, be sure to compare data that shows the same type of enrollment count. In some districts there is very little difference between resident attending enrollment and total resident enrollment, while in other districts there is a significant difference in the enrollment count. **Methodology Notes:**

- **Resident Births:**

When making projections, the calendar year birth figures are not used to determine the number of resident births in a year. To project future entering first grade class sizes the "birth year" is based on when a student is eligible to enroll, or from October 15th of one year to October 14th of the next. Because the data supplied by the office of Data, Research, and Vital Statistics, Division of Public Health Systems, Maine Centers for Disease Control and Prevention at the Maine Department of Health and Human Services for October is based on October 1st to the 31st, the October births are split in half so that one half is put into one year and the other half is put into the following year's birth figures. This allows the cohort survival model to more accurately project entering first grade class sizes.

Birth data from calendar year 2022 is preliminary and provisional, however, historically this data has been very accurate.

- **First Grade Class Sizes:**

The size of the first grade class is influenced by two factors: the number of births to residents of a community during the year that is six years prior to the enrollment year; and, net migration of preschool aged children (number of preschool aged children moving into the community minus the number of preschool aged children moving out of the community) during the first grade enrollment year and the year that was six years prior. The level of preschool migration can be measured by the ratio of enrollment for the entering first grade class to the number of births to residents in the year that was six years prior.

- **Net Migration Ratios:**

In making grade-to-grade projections, the historical average grade-to-grade survival ratios over the last three to ten years are analyzed. The average that displays the “strongest” statistical relationship to existing class sizes are used to project future enrollment.

When net migration ratios are discussed throughout the study, a ratio higher than 1.000 indicates a net in-migration of children occurred, and a ratio less than 1.000 indicates a net out-migration of children occurred.