

# Elementary School Approaches to Address Space Deficits at Walter Johnson Cluster Elementary Schools

## April 6, 2016

| Approach 1: | Open a New | Elementary School |
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- Approach 1: Open New Elementary School; Remove Ashburton Elementary School Addition
- Approach 2: Reorganize Schools for Grades K–4 in Conjunction with Secondary School Approach #4
- Approach 3: Expand Some of the Elementary Schools for a Capacity of 850-890 Students
- Approach 4: Open and Early Childhood Center
- Approach 5: Open a New Elementary School and Pair it With Ashburton Elementary School

Elementary School Approaches to Address Space Deficits at Walter Johnson Cluster Elementary Schools April 6, 2016

#### **Approach 1: Open a New Elementary School**

- •Reopen a closed school or open a new school the cluster with a capacity of 740 students by 2035
- •Boundary changes would be required to create the service area for the new school
- •Maintain current addition project for Ashburton Elementary School of 881 students
- •Maintain planned capacity for Luxmanor Elementary School revitalization/expansion project of 740 students

#### Program Considerations

•Ashburton Elementary School is built to a capacity above MCPS preferred range of enrollment

|                              |         |                   | P                   | ROJECT  | ED ENR  | OLLME | NT * |          |      | ı       |
|------------------------------|---------|-------------------|---------------------|---------|---------|-------|------|----------|------|---------|
| SCHOOLS                      | 2017–18 | 2018–19           | 2019–20             | 2020-21 | 2021–22 | 2025  | 2030 | 2035     | 2040 | 2045 ** |
| Ashburton                    |         |                   |                     |         |         |       |      |          |      | 1       |
| Program Capacity             | 652     | 652               | 881                 | 881     | 881     |       |      |          |      |         |
| Enrollment                   | 926     | 917               | 895                 | 890     | 886     |       |      |          |      |         |
| space available              | -274    | -265              | -14                 | -9      | -5      |       |      |          |      |         |
|                              |         |                   | Addition            |         |         |       |      |          |      |         |
| Farmland                     |         |                   | opens               |         |         |       |      |          |      |         |
| **                           | 729     | 720               | 720                 | 729     | 729     |       |      |          |      |         |
| Program Capacity  Enrollment | 762     | 729<br><b>755</b> | 729<br><b>744</b>   | 747     | 745     |       |      |          |      |         |
| space available              | -33     | -26               | -15                 | -18     | -16     |       |      |          |      |         |
| Garrett Park                 | -33     | -20               | -13                 | -10     | -10     |       |      |          |      |         |
| Program Capacity             | 752     | 752               | 752                 | 752     | 752     |       |      |          |      |         |
| Enrollment                   | 874     | 902               | 904                 | 902     | 880     |       |      |          |      |         |
| space available              | -122    | -150              | -152                | -150    | -128    |       |      |          |      |         |
| Kensington-Parkwood          | -122    | -130              | -132                | -130    | -120    |       |      |          |      |         |
| Program Capacity             | 472     | 746               | 746                 | 746     | 746     |       |      |          |      |         |
| Enrollment                   | 672     | 685               | 688                 | 706     | 715     |       |      |          |      |         |
| space available              | -200    | 61                | 58                  | 40      | 31      |       |      |          |      |         |
| space available              | -200    | Addition          | 50                  | 70      | 31      |       |      |          |      |         |
|                              |         | opens             |                     |         |         |       |      |          |      |         |
| Luxmanor                     |         |                   |                     |         |         |       |      |          |      |         |
| Program Capacity             | 429     | 429               | 745                 | 745     | 745     |       |      |          |      |         |
| Enrollment                   | 457     | 472               | 500                 | 512     | 542     |       |      |          |      |         |
| space available              | -28     | -43               | 245                 | 233     | 203     |       |      |          |      |         |
| •                            |         |                   | Rev/Ex              |         |         |       |      |          |      |         |
| ì                            |         |                   | Comp. Jan.          |         |         |       |      |          |      |         |
|                              |         |                   | 2020                |         |         |       |      |          |      |         |
| Wyngate                      |         |                   |                     |         |         |       |      |          |      |         |
| Program Capacity             | 778     | 778               | 778                 | 778     | 778     |       |      |          |      |         |
| Enrollment                   | 733     | 740               | 726                 | 726     | 745     |       |      |          |      |         |
| space available              | 45      | 38                | 52                  | 52      | 33      |       |      |          | 1    | 1       |
| New Elementary School        |         |                   |                     |         |         |       |      |          |      |         |
| Program Capacity             |         |                   |                     |         |         |       |      | 740      | 740  | 740     |
| Enrollment                   |         |                   |                     |         |         |       |      |          |      |         |
| space available              |         |                   |                     |         |         |       |      | 740      | 740  | 740     |
|                              |         |                   |                     |         |         |       |      | Proposed |      |         |
|                              |         |                   |                     |         |         |       |      | Opening  |      |         |
| Total Elementary Schools     |         |                   |                     |         |         |       |      |          |      |         |
| Program Capacity             | 3812    | 4086              | 4631                | 4631    | 4631    | 4631  | 4631 | 5371     | 5371 | 5371    |
| Enrollment                   | 4424    | 4080<br>4471      | 4031<br><b>4457</b> | 4483    | 4513    | 4800  | 4800 | 5100     | 5300 | 5500    |
| space available              | -612    | -385              | 174                 | 148     | 118     | -169  | -169 | 271      | 71   | -129    |

<sup>\*</sup> Projections from 2035 to 2045 assume complete build-out of White Flint and Kensington sector plans and proposed housing not associated with these sector plans. Total build-out includes 115 single-family detached units, 115 townhouse units, 350 multi-family mid-rise units, and 14,334 multi-family high-rise units. Market conditions and the pace of redevelopment of existing properties could change the number of units built and the timing of full build-out. Most master plans never reach full build-out.

<sup>\*\*</sup>The projection for 2045 considered peak enrollment. However, the projection for 2045 does not include White Flint II and Rock Spring sector plans, because housing unit counts for these plans are not known at this time. The longer the forecast period, the more error is possible. It is considered equally likely for enrollment to come in below the numbers as it is for enrollment to exceed them.

Elementary School Approaches to Address Space Deficits at Walter Johnson Cluster Elementary Schools April 6, 2016

#### Approach 1a: Open a New Elementary School; Remove Ashburton Elementary School Addition

- •Reopen a closed school or open a new school the cluster with a capacity of 740 students by 2035
- •Boundary changes would be required to create the service area for the new school
- •Remove Ashburton Elementary School addition for current Capital Improvements Program and continue to use relocatable classrooms until new school opens
- •Maintain planned capacity for Luxmanor Elementary School revitalization/expansion project of 740 students

#### **Program Considerations**

•All schools fall within MCPS preferred range of enrollment

|                                       |         |          |           | PROJEC  | CTED EN | ROLLME   | ENT * |          | 1    |         |
|---------------------------------------|---------|----------|-----------|---------|---------|----------|-------|----------|------|---------|
| SCHOOLS                               | 2017_18 | 2018–19  | 2019–20   | 2020–21 | 2021_22 | 2025     | 2030  | 2035     | 2040 | 2045 ** |
| Ashburton                             | 2017-10 | 2010-17  | 2017-20   | 2020-21 | 2021-22 | 2023     | 2030  | 2033     | 2040 | 2045    |
| Program Capacity                      | 652     | 652      | 652       | 652     | 652     |          |       |          |      |         |
| Enrollment                            | 926     | 917      | 895       | 890     | 886     |          |       |          |      |         |
| space available                       | -274    | -265     | -243      | -238    | -234    |          |       |          |      |         |
| Farmland                              |         |          |           |         |         |          |       |          |      |         |
| Program Capacity                      | 729     | 729      | 729       | 729     | 729     |          |       |          |      |         |
| Enrollment                            | 762     | 755      | 744       | 747     | 745     |          |       |          |      |         |
| space available                       | -33     | -26      | -15       | -18     | -16     |          |       |          |      |         |
| Garrett Park                          |         |          |           |         |         |          |       |          |      |         |
| Program Capacity                      | 752     | 752      | 752       | 752     | 752     |          |       |          |      |         |
| Enrollment                            | 874     | 902      | 904       | 902     |         |          |       |          |      |         |
| space available                       | -122    | -150     | -152      | -150    | -128    |          |       |          |      |         |
| Kensington-Parkwood                   |         |          |           |         |         |          |       |          |      |         |
| Program Capacity                      | 472     | 746      | 746       | 746     | 746     |          |       |          |      |         |
| Enrollment                            | 672     | 685      | 688       | 706     |         |          |       |          |      |         |
| space available                       | -200    | 61       | 58        | 40      | 31      |          |       |          |      |         |
| , , , , , , , , , , , , , , , , , , , |         | Addition |           |         |         |          |       |          |      |         |
|                                       |         | opens    |           |         |         |          |       |          |      |         |
| Luxmanor                              |         |          |           |         |         |          |       |          |      |         |
| Program Capacity                      | 429     | 429      | 745       | 745     | 745     |          |       |          |      |         |
| Enrollment                            | 457     | 472      | 500       | 512     | 542     |          |       |          |      |         |
| space available                       | -28     | -43      | 245       | 233     | 203     |          |       |          |      |         |
| 1                                     |         |          | Rev/Ex    |         |         |          |       |          |      |         |
|                                       |         |          | Comp.     |         |         |          |       |          |      |         |
|                                       |         |          | Jan. 2020 |         |         |          |       |          |      |         |
| Wyngate                               |         |          |           |         |         |          |       |          |      |         |
| Program Capacity                      | 778     | 778      | 778       | 778     | 778     |          |       |          |      |         |
| Enrollment                            | 733     | 740      | 726       | 726     | 745     |          |       |          |      |         |
| space available                       | 45      | 38       | 52        | 52      | 33      |          |       |          |      |         |
| New Elementary School                 |         |          |           |         |         |          |       |          |      |         |
| Program Capacity                      |         |          |           |         |         | 550      | 550   | 740      | 740  | 740     |
| Enrollment                            |         |          |           |         |         |          |       |          |      |         |
| space available                       |         |          | <u></u>   |         |         | 550      | 550   | 740      | 740  | 740     |
|                                       |         |          |           |         |         |          |       |          |      |         |
|                                       |         |          |           |         |         | Proposed |       | Proposed |      |         |
|                                       |         |          |           |         |         | Opening  |       | Addition |      |         |
| Total Elementary Schools              |         |          |           |         |         |          |       |          |      |         |
| Program Capacity                      | 3812    | 4086     | 4402      | 4402    | 4402    | 4952     | 4952  |          | 5142 | 5142    |
| Enrollment                            | 4424    | 4471     | 4457      | 4483    | 4513    | 4800     | 4800  | 5100     | 5300 | 5500    |
| space available                       | -612    | -385     | -55       | -81     | -111    | 152      | 152   | 42       | -158 | -358    |

<sup>\*</sup> Projections from 2035 to 2045 assume complete build-out of White Flint and Kensington sector plans and proposed housing not associated with these sector plans. Total build-out includes 115 single-family detached units, 115 townhouse units, 350 multi-family mid-rise units, and 14,334 multi-family high-rise units. Market conditions and the pace of redevelopment of existing properties could change the number of units built and the timing of full build-out. Most master plans never reach full build-out.

<sup>\*\*</sup>The projection for 2045 considered peak enrollment. However, the projection for 2045 does not include White Flint II and Rock Spring sector plans, because housing unit counts for these plans are not known at this time. The longer the forecast period, the more error is possible. It is considered equally likely for enrollment to come in below the numbers as it is for enrollment to exceed them.

Elementary School Approaches to Address Space Deficits at Walter Johnson Cluster Elementary Schools April 6, 2016, Revised April 14, 2016

# <u>Approach 2: Reorganize Schools for Grades K-4 Elementary Schools in Conjunction with Secondary School</u> <u>Approach #4</u>

- •Reorganize elementary schools for Grades K-4 and middle schools for Grades 5-7, reopen Woodward as a Grades 8-9 school, and reorganize Walter Johnson High School for Grades 10-12 beginning in 2021-2022 school year.
- •Reduce size of Ashburton Elementary School addition from 881 to 740 students.
- •Build addition at North Bethesda Middle School with a capacity for 1229 students and master plan for 1350 students
- •Design capacity of Tilden Middle School revitalization/expansion project for 1200 students with a master planned capacity for 1500 students

#### **Program Considerations**

- •All elementary schools are built to MCPS preferred range of enrollment
- •Grade reorganization impacts current elementary, middle, and high school instructional models and staffing allocations
- •Core instruction for Grade 5 students would continue as elementary school

|                          |  | I        |                    | PROJI   | ECTED E         | NROLL | MENT * |      | ı    | 1       |
|--------------------------|--|----------|--------------------|---------|-----------------|-------|--------|------|------|---------|
| SCHOOLS                  | 2017_18  | 2018_19  | 2019–20            | 2020_21 | 2021_22         | 2025  | 2030   | 2035 | 2040 | 2045 ** |
| Ashburton                | 2017 10  | 2010 15  | 2017 20            | 2020 21 | 2021 22         | 2022  | 2000   | 2000 | 2010 | 20.2    |
| Program Capacity         | 652  | 652      | 740                | 740     | 740             |       |        |      |      |         |
| Enrollment               |  | 917      | 895                | 890     | 741             |       |        |      |      |         |
| space available          | -274   | -265     | -155               | -150    | -1              |       |        |      |      |         |
| 7                        |  |          | Addition           |         | Reor-           |       |        |      |      |         |
|                          |  |          | opens              |         | ganize          |       |        |      |      |         |
| Farmland                 |  |          |                    |         |                 |       |        |      |      |         |
| Program Capacity         | 729  | 729      | 729                | 729     | 729             |       |        |      |      |         |
| Enrollment               | 762  | 755      | 744                | 747     | 615             |       |        |      |      |         |
| space available          | -33  | -26      | -15                | -18     | 114             |       |        |      |      |         |
|                          |  |          |                    |         | Reor-           |       |        |      |      |         |
|                          |  |          |                    |         | ganize          |       |        |      |      |         |
| Garrett Park             |  |          |                    |         |                 |       |        |      |      |         |
| Program Capacity         | 752  | 752      | 752                | 752     | 752             |       |        |      |      |         |
| Enrollment               | 874  | 902      | 904                | 902     | 720             |       |        |      |      |         |
| space available          | -122   | -150     | -152               | -150    | 32              |       |        |      |      |         |
|                          |  |          |                    |         | Reor-<br>ganize |       |        |      |      |         |
| Kensington-Parkwood      |  |          |                    |         | 0               |       |        |      |      |         |
| Program Capacity         | 472  | 746      | 746                | 746     | 746             |       |        |      |      |         |
| Enrollment               |  | 685      | 688                | 706     | 595             |       |        |      |      |         |
| space available          | -200   | 61       | 58                 | 40      | 151             |       |        |      |      |         |
|                          |  | Addition |                    |         | Reor-           |       |        |      |      |         |
|                          |  | opens    |                    |         | ganize          |       |        |      |      |         |
| Luxmanor                 |  |          |                    |         |                 |       |        |      |      |         |
| Program Capacity         | 429  | 429      | 745                | 745     | 745             |       |        |      |      |         |
| Enrollment               | 457  | 472      | 500                | 512     | 455             |       |        |      |      |         |
| space available          | -28  | -43      | 245                | 233     | 290             |       |        |      |      |         |
|                          |  |          | Rev/Ex             |         | D               |       |        |      |      |         |
|                          |  |          | Comp.<br>Jan. 2020 |         | Reor-<br>ganize |       |        |      |      |         |
| Wyngate                  | <del>                                     </del> |          | Jun. 2020          |         | Sunce           |       |        |      |      |         |
| Program Capacity         | 778  | 778      | 778                | 778     | 778             |       |        |      |      |         |
| Enrollment               |  | 740      | 776<br>726         |         | 620             |       |        |      |      |         |
| space available          | 45   | 38       | 52                 | 52      | 158             |       |        |      |      |         |
| Space aranabic           | ,,,  | 20       | 52                 | 32      | Reor-           |       |        |      |      |         |
|                          |  |          |                    |         | ganize          |       |        |      |      |         |
| Total Elementary Schools |  |          |                    |         |                 |       |        |      |      |         |
| Program Capacity         | 3812   | 4086     | 4490               | 4490    | 4490            | 4490  |        |      |      |         |
| Enrollment               |  |          |                    |         | 3746            |       | 4000   |      |      |         |
| space available          | -612   | -385     | 33                 | -83     | 744             | 490   | 490    | 240  | 70   | -95     |

|                   |         |                   |         | PROJI           | ECTED E         | NROLL          | MENT * |                      |                      | 1                    |
|-------------------|---------|-------------------|---------|-----------------|-----------------|----------------|--------|----------------------|----------------------|----------------------|
| SCHOOLS           | 2017–18 | 2018–19           | 2019–20 | 2020–21         | 2021–22         | 2025           | 2030   | 2035                 | 2040                 | 2045 **              |
| North Bethesda MS |         |                   |         |                 |                 |                |        |                      |                      |                      |
| Program Capacity  | 864     | 1229              | 1229    | 1229            | 1229            | 1229           | 1229   | 1229                 | 1350                 | 1350                 |
| Enrollment        | 1183    | 1200              | 1206    | 1194            | 1154            | 1270           | 1300   | 1255                 | 1310                 | 1325                 |
| space available   | -319    | 29                | 23      | 35              | 75              | -41            | -71    | -26                  | 40                   | 25                   |
|                   |         | Addition<br>opens |         |                 | Reor-<br>ganize |                |        |                      | Proposed<br>Addition |                      |
| Tilden MS         |         |                   |         |                 |                 |                |        |                      |                      |                      |
| Program Capacity  | 939     | 939               | 939     | 1200            | 1200            | 1200           | 1200   | 1500                 | 1500                 | 1500                 |
| Enrollment        | 959     | 992               | 1024    | 1094            | 1152            | 1270           | 1270   | 1325                 | 1375                 | 1430                 |
| space available   | -20     | -53               | -85     | 106             | 48              | -70            | -70    | 175                  | 125                  | 70                   |
|                   |         |                   |         | Rev/Ex<br>Comp. | Reor-<br>ganize |                |        | Proposed<br>Addition |                      |                      |
| Walter Johnson HS |         |                   |         |                 |                 |                |        |                      |                      |                      |
| Program Capacity  | 2335    | 2335              | 2335    | 2335            | 2335            | 2335           | 2335   | 2335                 | 2335                 | 2700                 |
| Enrollment        | 2356    | 2466              | 2649    | 2763            | 2865            | 2250           | 2325   | 2400                 | 2510                 | 2625                 |
| space available   | -21     | -131              | -314    | -428            | -530            | 85             | 10     | -65                  | -175                 | 75                   |
|                   |         |                   |         |                 | Reor-<br>ganize |                |        |                      |                      | Proposed<br>Addition |
| Woodward HS       |         |                   |         |                 |                 |                |        |                      |                      |                      |
| Program Capacity  |         |                   |         |                 |                 | 1850           | 1850   | 1850                 | 1850                 | 1850                 |
| Enrollment        | Ī       |                   |         |                 |                 | 1610           | 1505   | 1670                 | 1735                 | 1785                 |
| space available   |         |                   |         |                 |                 | 240            | 345    | 180                  | 115                  | 65                   |
|                   |         |                   |         |                 |                 | Reopen<br>2022 |        |                      |                      |                      |

<sup>\*</sup>Projections from 2035 to 2045 assume complete build-out of White Flint and Kensington sector plans and proposed housing not associated with these sector plans. Total build-out includes 115 single-family detached units, 115 townhouse units, 350 multi-family mid-rise units, and 14,334 multi-family high-rise units. Market conditions and the pace of redevelopment of existing properties could change the number of units built and the timing of full build-out. Most master plans never reach full build-out.

<sup>\*\*</sup>The projection for 2045 considered peak enrollment. However, the projection for 2045 does not include White Flint II and Rock Spring sector plans, because housing unit counts for these plans are not known at this time. The longer the forecast period, the more error is possible. It is considered equally likely for enrollment to come in below the numbers as it is for enrollment to exceed them.

Elementary School Approaches to Address Space Deficits at Walter Johnson Cluster Elementary Schools April 6, 2016, Revised April 14, 2016

#### Approach 3: Expand Some of the Elementary Schools for a Capacity of 850-890 Students

- •Expand Kensington-Parkwood and Luxmanor Elementary School for a capacity of 850-890 students and consider boundary changes in the future
- •Consider opening a new school in 2045; future boundary changes would be required to create the service area for the school

#### Program Considerations

- •Ashburton, Kensington-Parkwood, and Luxmanor elementary schools are built to a capacity above MCPS preferred range of enrollment
- •Possible site constraints at some schools may limit expansions; feasibility studies would be needed to confirm if all schools could be expanded

| Luxmanor Program Capacity 429 Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733  | 752<br>902<br>755<br>-26<br>752<br>902<br>-150<br>746<br>685<br>61<br>Addition<br>100 Opens         | 881<br>895<br>-14<br>Addition<br>opens<br>729<br>744<br>-15<br>752<br>904<br>-152<br>746<br>688<br>58 | 2020-21 881 890 -9 729 747 -18 752 902 -150 746 706 40      | 2021–22<br>881<br>886<br>-5<br>729<br>745<br>-16<br>752<br>880<br>-128<br>878<br>715<br>163<br>Additio | 2025                | 2030                | 2035                | 2040 | 2045 **             |
|--|---|---|---|--|---------------------|---------------------|---------------------|------|---------------------|
| Ashburton Program Capacity Enrollment space available  Farmland Program Capacity Enrollment space available  Farmland Program Capacity Farce available  Garrett Park Program Capacity Enrollment space available  Farmland Program Capacity Farce available  Farmland Program Capacity Farce available  Farmland Program Capacity Farce available  Frogram Capacity Farce available  778 Farce available  778 Farce available  778 Farce available 778 Farce available 778 Farce available 778 Farce available 778 Farce available  | 652<br>917<br>-265<br>729<br>755<br>-26<br>752<br>902<br>-150<br>746<br>685<br>61<br>Addition Opens | 881<br>895<br>-14<br>Addition<br>opens<br>729<br>744<br>-15<br>752<br>904<br>-152<br>746<br>688<br>58 | 881<br>890<br>-9<br>729<br>747<br>-18<br>752<br>902<br>-150 | 881<br>886<br>-5<br>729<br>745<br>-16<br>752<br>880<br>-128<br>878<br>715<br>163<br>Additio            | 2025                | 2030                | 2035                | 2040 | 2045 **             |
| Program Capacity Enrollment space available  Farmland Program Capacity Enrollment space available  Garrett Park Program Capacity Enrollment space available  Farmland Program Capacity Farwland Program Capacity Farnollment space available  Farnollment Space available  Frogram Capacity Farnollment Space available  Farnollment Space available  Farnollment Space available  Farnollment Space available  Farnollment Frogram Capacity Farnollment Space available  Farnollment Farnollmen | 729<br>755<br>-26<br>752<br>902<br>-150<br>746<br>685<br>61<br>Addition Opens                       | 895<br>-14<br>Addition<br>opens<br>729<br>744<br>-15<br>752<br>904<br>-152<br>746<br>688<br>58        | 729<br>747<br>-18<br>752<br>902<br>-150                     | 729<br>745<br>-16<br>752<br>880<br>-128<br>878<br>715<br>163<br>Additio                                |                     |                     |                     |      |                     |
| Enrollment space available  Farmland Program Capacity Enrollment space available  Garrett Park Program Capacity Enrollment space available  Farmland Program Capacity Forgram Ca | 729<br>755<br>-26<br>752<br>902<br>-150<br>746<br>685<br>61<br>Addition Opens                       | 895<br>-14<br>Addition<br>opens<br>729<br>744<br>-15<br>752<br>904<br>-152<br>746<br>688<br>58        | 729<br>747<br>-18<br>752<br>902<br>-150                     | 729<br>745<br>-16<br>752<br>880<br>-128<br>878<br>715<br>163<br>Additio                                |                     |                     |                     |      |                     |
| Farmland Program Capacity Enrollment space available  Garrett Park Program Capacity Enrollment space available  Farmland  Program Capacity Frogram Capacity Frogram Capacity Forgram Capacity For | 729 755 -26  752 902 -150  746 685 61 Addition Opens  | -14 Addition opens 729 744 -15 752 904 -152 746 688 58  | 729<br><b>747</b><br>-18<br>752<br><b>902</b><br>-150       | 729<br><b>745</b><br>-16<br>752<br><b>880</b><br>-128<br>878<br><b>715</b><br>163<br>Additio           |                     |                     |                     |      |                     |
| Farmland Program Capacity Enrollment space available  Garrett Park Program Capacity Enrollment space available  Kensington-Parkwood Program Capacity Enrollment space available  Capacity Forgam Capacity Forgam Capacity Forgam Capacity Space available  Luxmanor Program Capacity Forgam Capacity   | 729<br><b>755</b><br>-26<br>752<br><b>902</b><br>-150<br>746<br><b>685</b><br>61<br>Addition Opens  | 729 744 -15  752 904 -152   | 729<br>747<br>-18<br>752<br>902<br>-150                     | 729<br><b>745</b><br>-16<br>752<br><b>880</b><br>-128<br>878<br><b>715</b><br>163<br>Additio           |                     |                     |                     |      |                     |
| Program Capacity   729   Enrollment   762   space available   -33  | 755<br>-26<br>752<br>902<br>-150<br>746<br>685<br>61<br>Addition Opens                              | 729 744 -15  752 904 -152  746 688 58   | 747<br>-18<br>752<br>902<br>-150                            | 745<br>-16<br>752<br>880<br>-128<br>878<br>715<br>163<br>Additio                                       |                     |                     |                     |      |                     |
| Program Capacity   729   Enrollment   762   33   | 755<br>-26<br>752<br>902<br>-150<br>746<br>685<br>61<br>Addition Opens                              | 729<br>744<br>-15<br>752<br>904<br>-152<br>746<br>688<br>58   | 747<br>-18<br>752<br>902<br>-150                            | 745<br>-16<br>752<br>880<br>-128<br>878<br>715<br>163<br>Additio                                       |                     |                     |                     |      |                     |
| Enrollment   762   -33   | 755<br>-26<br>752<br>902<br>-150<br>746<br>685<br>61<br>Addition Opens                              | 744<br>-15<br>752<br>904<br>-152<br>746<br>688<br>58  | 747<br>-18<br>752<br>902<br>-150                            | 745<br>-16<br>752<br>880<br>-128<br>878<br>715<br>163<br>Additio                                       |                     |                     |                     |      |                     |
| Garrett Park Program Capacity 752 Enrollment 874 space available -122  Kensington-Parkwood Program Capacity 472 Enrollment 672 space available -200  Luxmanor Program Capacity 429 Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733   | -26 752 902 -150 746 685 61 Addition Opens  | 752<br>904<br>-152<br>746<br>688<br>58  | 752<br>902<br>-150  | -16<br>752<br><b>880</b><br>-128<br>878<br><b>715</b><br>163<br>Additio                                |                     |                     |                     |      |                     |
| Garrett Park Program Capacity Enrollment space available Program Capacity Enrollment space available Program Capacity Enrollment space available Luxmanor Program Capacity Enrollment space available Program Capacity Farollment space available Program Capacity Farollment Space available Program Capacity Farollment Type Space available Type Space Application Space Applicat | 752<br><b>902</b><br>-150<br>746<br><b>685</b><br>61<br>Addition Opens                              | 752<br>904<br>-152<br>746<br>688<br>58  | 752<br><b>902</b><br>-150<br>746<br><b>706</b>              | 752<br><b>880</b><br>-128<br>878<br><b>715</b><br>163<br>Additio                                       |                     |                     |                     |      |                     |
| Program Capacity Enrollment space available -122  Kensington-Parkwood Program Capacity Enrollment space available -200  Luxmanor Program Capacity Enrollment space available -28  Wyngate Program Capacity T78 Enrollment Space available -778 Forgram Capacity T78 Forgram Capacity Forgram Capacity T78 Forgram Capacity Forgram Capacity Forgram Capacity T78 Forgram Capacity   | 902<br>-150<br>746<br>685<br>61<br>Additio<br>n Opens   | 904<br>-152<br>746<br>688<br>58   | 746<br><b>706</b>   | 880<br>-128<br>878<br>715<br>163<br>Additio  |                     |                     |                     |      |                     |
| Program Capacity Enrollment space available -122  Kensington-Parkwood Program Capacity Enrollment space available -200  Luxmanor Program Capacity Enrollment space available -28  Wyngate Program Capacity T78 Enrollment Space available -778 Forgram Capacity T78 Forgram Capacity Forgram Capacity T78 Forgram Capacity Forgram Capacity Forgram Capacity T78 Forgram Capacity   | 902<br>-150<br>746<br>685<br>61<br>Additio<br>n Opens   | 904<br>-152<br>746<br>688<br>58   | 746<br><b>706</b>   | 880<br>-128<br>878<br>715<br>163<br>Additio  |                     |                     |                     |      |                     |
| Enrollment space available -122  Kensington-Parkwood Program Capacity Enrollment space available -200  Luxmanor Program Capacity Enrollment space available -28  Wyngate Program Capacity T78 Enrollment Space available -778 Forgram Capacity T78  | 902<br>-150<br>746<br>685<br>61<br>Additio<br>n Opens   | 904<br>-152<br>746<br>688<br>58   | 746<br><b>706</b>   | 880<br>-128<br>878<br>715<br>163<br>Additio  |                     |                     |                     |      |                     |
| Kensington-Parkwood Program Capacity Space available  Luxmanor Program Capacity Enrollment Space available  429 Enrollment Space available  -28  Wyngate Program Capacity Fnogram Capacity T78 Fnrollment T78 Fnrollment T78 Fnrollment T78 Fnrollment T78   | 746<br>685<br>61<br>Addition Opens  | 746<br><b>688</b><br>58   | -150<br>746<br><b>706</b>                                   | -128<br>878<br><b>715</b><br>163<br>Additio  |                     |                     |                     |      |                     |
| Kensington-Parkwood  Program Capacity 472 Enrollment 672 space available -200  Luxmanor Program Capacity 429 Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733   | 746<br><b>685</b><br>61<br>Additio<br>n Opens   | 746<br><b>688</b><br>58   | 746<br><b>706</b>   | 878<br><b>715</b><br><i>163</i><br><i>Additio</i>  |                     |                     |                     |      |                     |
| Program Capacity   | 685<br>61<br>Additio<br>n Opens   | <b>688</b><br>58  | 706   | 715<br>163<br>Additio  |                     |                     |                     |      |                     |
| Program Capacity   | 685<br>61<br>Additio<br>n Opens   | <b>688</b><br>58  | 706   | 715<br>163<br>Additio  |                     |                     |                     |      |                     |
| Enrollment space available -200  Luxmanor Program Capacity 429 Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733   | 685<br>61<br>Additio<br>n Opens   | <b>688</b><br>58  | 706   | 715<br>163<br>Additio  |                     |                     |                     |      |                     |
| space available -200  Luxmanor Program Capacity 429 Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733  | 61<br>Additio<br>n Opens  | 58  |   | 163<br>Additio   |                     |                     |                     |      |                     |
| Luxmanor  Program Capacity 429 Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733   | Additio<br>n Opens  |   | 40  | Additio  |                     |                     |                     |      |                     |
| Luxmanor  Program Capacity 429 Enrollment 457 space available -28  Wyngate  Program Capacity 778 Enrollment 733  | n Opens   |   |   |  |                     |                     |                     |      |                     |
| Luxmanor  Program Capacity 429  Enrollment 457  space available -28  Wyngate  Program Capacity 778  Enrollment 733   |   |   |   | n opens  |                     |                     |                     |      |                     |
| Program Capacity 429 Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733   | 420   |   |   | n opens  |                     |                     |                     |      |                     |
| Enrollment 457 space available -28  Wyngate Program Capacity 778 Enrollment 733  |   | 877   | 877   | 877  |                     |                     |                     |      |                     |
| wyngate Program Capacity T78 Enrollment 733  | 472   |   | 512   | 542  |                     |                     |                     |      |                     |
| Wyngate  Program Capacity 778 Enrollment 733   | -43   | 377   | 365   | 335  |                     |                     |                     |      |                     |
| Program Capacity 778 Enrollment 733  | -43   | Rev/Ex  | 303   | 333  |                     |                     |                     |      |                     |
| Program Capacity 778 Enrollment 733  |   | Comp.<br>Jan. 2020  |   |  |                     |                     |                     |      |                     |
| Program Capacity 778 Enrollment 733  |   |   |   |  |                     |                     |                     |      |                     |
|  | 778   | 778   | 778   | 778  |                     |                     |                     |      |                     |
|  | 740   | 726   | 726   | 745  |                     |                     |                     |      |                     |
| space available 45   | 38  | 52  | 52  | 33   |                     |                     |                     |      |                     |
|  |   |   |   |  |                     |                     |                     |      |                     |
| New Elementary School  |   |   |   |  |                     |                     |                     |      |                     |
| Program Capacity   |   |   |   |  |                     |                     |                     |      | 740                 |
| Enrollment   |   |   |   |  |                     |                     |                     |      |                     |
| space available  |   |   |   |  |                     |                     |                     |      | 740                 |
|  |   |   |   |  |                     |                     |                     |      | Proposed<br>Opening |
| Total Elementary Schools   |   |   |   |  |                     |                     |                     |      | Spening             |
| Program Capacity 3812  |   |   |   |  |                     |                     | l                   | 4895 | 5635                |
| Enrollment 4424  | 4086  | 1763  | 1763  | 4805   | 4805                | 4805                | 4805                |      | 20.1.1              |
| space available -612   | 4086<br><b>4471</b>   | 4763<br><b>4457</b>   | 4763<br><b>4483</b>   | 4895<br><b>4513</b>  | 4895<br><b>4800</b> | 4895<br><b>4800</b> | 4895<br><b>5100</b> | 5300 | 5500                |

<sup>\*</sup> Projections from 2035 to 2045 assume complete build-out of White Flint and Kensington sector plans and proposed housing not associated with these sector plans. Total build-out includes 115 single-family detached units, 115 townhouse units, 350 multi-family mid-rise units, and 14,334 multi-family high-rise units. Market conditions and the pace of redevelopment of existing properties could change the number of units built and the timing of full build-out. Most master plans never reach full build-out.

<sup>\*\*</sup>The projection for 2045 considered peak enrollment. However, the projection for 2045 does not include White Flint II and Rock Spring sector plans, because housing unit counts for these plans are not known at this time. The longer the forecast period, the more error is possible. It is considered equally likely for enrollment to come in below the numbers as it is for enrollment to exceed them.

Elementary School Approaches to Address Space Deficits at Walter Johnson Cluster Elementary Schools April 6, 2016, Revised April 14, 2016

#### Approach 4: Open an Early Childhood Center

- •Open an early childhood center for Grades prekindergarten and kindergarten students and special education PEP students in the 2021–2022 school year
- $\bullet Reassign\ prekindergarten\ and\ kindergarten\ students\ from\ Ashburton, Garrett\ Park,\ and\ Luxmanor\ elementary\ schools\ to$
- •Future boundary changes would be considered
- •Consider opening a new school in 2045; future boundary changes would be required to create the service area for the

#### Program Considerations

- •Ashburton Elementary School is built to a capacity above MCPS preferred range of enrollment
- •Impact of reassigning kindergarten students to an early childhood center

|                                |         |                   | PR        | OJECTE  | D ENROLI            | LMEN | T *  |      |      |                 |
|--------------------------------|---------|-------------------|-----------|---------|---------------------|------|--|------|------|-----------------|
|                                |         |                   |           |         |                     |      |  |      |      |                 |
| SCHOOLS                        | 2017–18 | 2018–19           | 2019–20   | 2020-21 | 2021–22             | 2025 | 2030   | 2035 | 2040 | 2045 **         |
| Ashburton                      |         |                   |           |         |                     |      |  |      |      |                 |
| Program Capacity               | 652     | 652               | 881       | 881     | 881                 |      |  |      |      |                 |
| Enrollment                     | 926     | 917               | 895       | 890     | 685                 |      |  |      |      |                 |
| space available                | -274    | -265              | -14       | -9      | 196<br>Reassign     |      |  |      |      |                 |
|                                |         |                   | Addition  |         | pre-K               |      |  |      |      |                 |
|                                |         |                   | opens     |         | and Kind.           |      |  |      |      |                 |
| Farmland                       |         |                   | 1         |         |                     |      |  |      |      |                 |
| Program Capacity               | 729     | 729               | 729       | 729     | 729                 |      |  |      |      |                 |
| Enrollment                     | 762     | 755               | 744       | 747     | 745                 |      |  |      |      |                 |
| space available                | -33     | -26               | -15       | -18     | -16                 |      |  |      |      |                 |
| Garrett Park                   |         |                   |           |         |                     |      |  |      |      |                 |
| Program Capacity               | 752     | 752               | 752       | 752     | 752                 |      |  |      |      |                 |
| Enrollment                     | 874     | 902               | 904       | 902     | 740                 |      |  |      |      |                 |
| space available                | -122    | -150              | -152      | -150    | 12                  |      |  |      |      |                 |
|                                |         |                   |           |         | Reassign            |      |  |      |      |                 |
|                                |         |                   |           |         | pre-K               |      |  |      |      |                 |
|                                |         |                   |           |         | and Kind.           |      |  |      |      |                 |
| Kensington-Parkwood            |         |                   |           |         |                     |      |  |      |      |                 |
| Program Capacity               | 472     | 746               | 746       | 746     | 746                 |      |  |      |      |                 |
| Enrollment                     | 672     | 685               | 688       | 706     | 715                 |      |  |      |      |                 |
| space available                | -200    | 61                | 58        | 40      | 31                  |      |  |      |      |                 |
|                                |         | Addition<br>opens |           |         |                     |      |  |      |      |                 |
| Luxmanor                       |         | opens             |           |         |                     |      |  |      |      |                 |
| Program Capacity               | 429     | 429               | 745       | 745     | 745                 |      |  |      |      |                 |
| Enrollment                     | 457     | 472               | 500       | 512     | 435                 |      |  |      |      |                 |
| space available                | -28     | -43               | 245       | 233     | 310                 |      |  |      |      |                 |
| space available                | 20      | 15                | Rev/Ex    | 255     | Reassign            |      |  |      |      |                 |
|                                |         |                   | Comp.     |         | pre-K               |      |  |      |      |                 |
|                                |         |                   | Jan. 2020 |         | and Kind.           |      |  |      |      |                 |
| Wyngate                        |         |                   |           |         |                     |      |  |      |      |                 |
| Program Capacity               | 778     | 778               | 778       | 778     | 778                 |      |  |      |      |                 |
| Enrollment                     | 733     | 740               | 726       |         | 745                 |      |  |      |      |                 |
| space available                | 45      | 38                | 52        | 52      | 33                  |      |  |      |      |                 |
| Early Childhood Center         |         |                   |           |         |                     |      |  |      |      |                 |
| Program Capacity               |         |                   |           |         | 350                 |      |  |      |      |                 |
| Enrollment                     |         |                   |           |         | 313                 |      |  |      |      |                 |
| space available                |         |                   |           |         | 37                  |      |  |      |      |                 |
|                                |         |                   |           |         | Proposed<br>Opening |      |  |      |      |                 |
| Now Flowentow Col:1            |         |                   |           |         | Opening             |      |  |      |      |                 |
| New Elementary School          |         |                   |           |         |                     |      |  |      |      | 740             |
| Program Capacity<br>Enrollment |         |                   |           |         |                     |      |  |      |      | /40             |
| space available                |         |                   |           |         |                     |      |  |      |      | 740             |
| <i>space avanable</i>          |         |                   |           |         |                     |      | <del>                                     </del> |      |      | 740<br>Proposed |
|                                |         |                   |           |         |                     |      |  |      |      | Opening         |
| Total Elementary Schools       |         |                   |           |         |                     |      |  |      |      |                 |
| Program Capacity               | 3812    | 4086              | 4631      | 4631    | 4981                | 4981 | 4981   | 4981 | 4981 | 5721            |
| Enrollment                     | 4424    | 4471              | 4457      | 4483    | 4826                | 4800 | 4800   | 5100 | 5300 | 5500            |
| space available                | -612    | -385              | 174       | 148     | 155                 | 181  | 181  | -119 | -319 | 221             |

housing not associated with these sector plans. Total build-out includes 115 single-family detached units, 115 townhouse units, 350 multi-family mid-rise units, and 14,334 multi-family high-rise units. Market conditions and the pace of redevelopment of existing properties could change the number of units built and the timing of full build-out.

The projection for 2035 to 2045 assume complete build-out of white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 1 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projection for 2045 does not metade white 2 high projecti

palas never reach full build-out.

and Rock Spring sector plans, because housing unit counts for these plans are not known at this time. The longer the forecast period, the more error is possible. It is considered equally likely for enrollment to come in below the numbers as it is for enrollment to exceed them.

Elementary School Approaches to Address Space Deficits at Walter Johnson Cluster Elementary Schools April 6, 2016

#### Approach 5: Open a New Elementary School and Pair It With Ashburton Elementary School

- •Reopen a closed school or open a new school in the cluster and pair it with Ashburton Elementary School
- •New school would serve Grades pre-K-2 and Ashburton Elementary School would serve Grades 3-5
- •Remove Ashburton Elementary School addition from Capital Improvements Program because current facility could accommodate Grades 3–5 program
- •Reassign students from Garrett Park Elementary School to the paired schools

#### Program Considerations

•Creates a set of paired schools with a primary school and upper grade school

| •Transportation consideration        | ons with a         | parred ser         |                    | OJECTE             | D ENROI              | LMEN | T *      |      |          |         |
|--------------------------------------|--------------------|--------------------|--------------------|--------------------|----------------------|------|----------|------|----------|---------|
|                                      |                    |                    |                    |                    |                      |      |          |      |          |         |
| SCHOOLS                              | 2017-18            | 2018-19            | 2019–20            | 2020-21            | 2021-22              | 2025 | 2030     | 2035 | 2040     | 2045 ** |
| Ashburton                            |                    |                    |                    |                    |                      |      |          |      |          |         |
| Program Capacity                     | 652                | 652                | 652                | 652                | 713                  |      |          |      |          |         |
| Enrollment                           | 926                | 917                | 895                | 890                | 640                  |      |          |      |          |         |
| space available                      | -274               | -265               | -243               | -238               | 73                   |      |          |      |          |         |
|                                      |                    |                    |                    |                    | Reor-                |      |          |      |          |         |
|                                      |                    |                    |                    |                    | ganize               |      |          |      |          |         |
| New School                           |                    |                    |                    |                    |                      |      |          |      |          |         |
| Program Capacity                     |                    |                    |                    |                    | 736                  |      |          |      |          |         |
| Enrollment                           |                    |                    |                    |                    | 684                  |      |          |      |          |         |
| space available                      |                    |                    |                    |                    | 52                   |      |          |      |          |         |
|                                      |                    |                    |                    |                    | Reor-                |      |          |      |          |         |
|                                      |                    |                    |                    |                    | ganize               |      |          |      |          |         |
| Farmland                             | 720                | 520                | 720                | 500                | 720                  |      |          |      |          |         |
| Program Capacity                     | 729                | 729                | 729                | 729                | 729                  |      |          |      |          |         |
| Enrollment                           |                    | 755                | 744                | 747                | 745                  |      |          |      |          |         |
| space available                      | -33                | -26                | -15                | -18                | -16                  |      |          |      |          |         |
| Garrett Park                         | 752                | 750                | 750                | 750                | 750                  |      |          |      |          |         |
| Program Capacity                     | 752                | 752                | 752                | 752                | 752<br><b>442</b>    |      |          |      |          |         |
| <b>Enrollment</b><br>space available | <b>874</b><br>-122 | <b>902</b><br>-150 | <b>904</b><br>-152 | <b>902</b><br>-150 | 310                  |      |          |      |          |         |
| <i>space available</i>               | -122               | -130               | -132               | -130               |                      |      |          |      |          |         |
|                                      |                    |                    |                    |                    | Reassign<br>students |      |          |      |          |         |
| Kensington-Parkwood                  |                    |                    |                    |                    | Students             |      |          |      |          |         |
| Program Capacity                     | 472                | 746                | 746                | 746                | 746                  |      |          |      |          |         |
| Enrollment                           |                    | 685                | 688                | <b>706</b>         | 715                  |      |          |      |          |         |
| space available                      | -200               | 61                 | 58                 | 40                 | 31                   |      |          |      |          |         |
| Luxmanor                             | 200                | 01                 | 20                 | 7.0                | 51                   |      |          |      |          |         |
| Program Capacity                     | 429                | 429                | 745                | 745                | 745                  |      |          |      |          |         |
| Enrollment                           |                    | 472                | 500                | 512                | 542                  |      |          |      |          |         |
| space available                      | -28                | -43                | 245                | 233                | 203                  |      |          |      |          |         |
|                                      |                    |                    | Rev/Ex             |                    |                      |      |          |      |          |         |
|                                      |                    |                    | Comp.              |                    |                      |      |          |      |          |         |
|                                      |                    |                    | Jan. 2020          |                    |                      |      |          |      |          |         |
| Wyngate                              |                    |                    |                    |                    |                      |      |          |      |          |         |
| Program Capacity                     | 778                |                    | 778                | 778                | 778                  |      |          |      |          |         |
| Enrollment                           |                    |                    | 726                | 726                | 745                  |      |          |      |          |         |
| space available                      | 45                 | 38                 | 52                 | 52                 | 33                   |      |          |      |          | 1       |
| Total Elementary Schools             |                    |                    |                    |                    |                      |      | <b>.</b> |      | <b>.</b> |         |
| Program Capacity                     | 3812               | 4086               | 4402               | 4402               | 5199                 | 5199 |          | 5199 | 5199     |         |
| Enrollment                           |                    | 4471               | 4457               | 4483               | 4513                 | 4800 | 4800     | 5100 | 5300     | 5500    |
| space available                      | -612               | -385               | -55                | -81                | 686                  | 399  | 399      | 99   | -101     | -301    |

<sup>\*</sup> Projections from 2035 to 2045 assume complete build-out of White Flint and Kensington sector plans and proposed housing not associated with these sector plans. Total build-out includes 115 single-family detached units, 115 townhouse units, 350 multi-family mid-rise units, and 14,334 multi-family high-rise units. Market conditions and the pace of redevelopment of existing properties could change the number of units built and the timing of full build-out. Most master plans never reach full build-out.

<sup>\*\*</sup>The projection for 2045 considered peak enrollment. However, the projection for 2045 does not include White Flint II and Rock Spring sector plans, because housing unit counts for these plans are not known at this time. The longer the forecast period, the more error is possible. It is considered equally likely for enrollment to come in below the numbers as it is for enrollment to exceed them.