

# COL. ZADOK MAGRUDER CLUSTER

## CLUSTER PLANNING ISSUES

**Planning Study:** A capacity study was approved for the Watkins Mill Cluster to evaluate the space deficits at the elementary school level, as well as look to adjacent clusters to address overutilization issues. The capacity study was conducted in summer 2021. Non-capital and/or capital solutions will be considered in a future CIP.

## SCHOOLS

### Col. Zadok Magruder High School

**Capital Project:** To address various building systems and programmatic needs for this school, a major capital project is planned. Expenditures for this project are included in the Major Capital Projects—Secondary and an appropriation will be requested for planning funds in a future CIP. Due to fiscal constraints, the County Council, in the adopted FY2023-2028 CIP, delayed this project two years. This project is now scheduled for completion in August 2029.

### Candlewood Elementary School

**Planning Study:** See text under Cluster Planning Issues.

### Cashell Elementary School

**Planning Study:** See text under Cluster Planning Issues.

### Flower Hill Elementary School

**Planning Study:** See text under Cluster Planning Issues.

### Mill Creek Towne Elementary School

**Planning Study:** See text under Cluster Planning Issues.

**Planning Study:** Projections indicate that enrollment will exceed capacity by the end of the six-year planning period. An FY 2021 appropriation was approved for facility planning to conduct a feasibility study for a possible addition to this school and identify a scope and cost for the project. Relocatable classrooms will be utilized until additional capacity can be added.

### Judith A. Resnik Elementary School

**Planning Study:** See text under Cluster Planning Issues.

### Sequoyah Elementary School

**Planning Study:** See text under Cluster Planning Issues.

## CAPITAL PROJECTS

| School                 | Project               | Project Status* | Date of Completion |
|------------------------|-----------------------|-----------------|--------------------|
| Col. Zadok Magruder HS | Major Capital Project | Programmed      | August 2029        |
| Mill Creek Towne ES    | Addition              | Proposed        | TBD                |

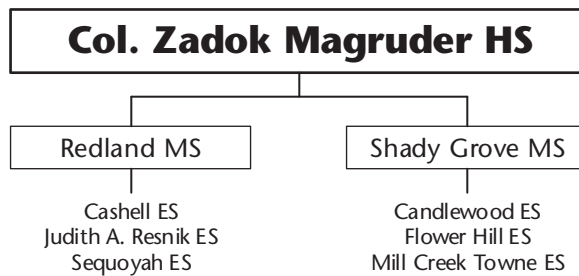
\*“Approved”—Project has an approved FY 2024 appropriation in the amended FY 2023–2028 CIP for planning or construction funds.

\*“Programmed”—Project has expenditures programmed in a future year of the CIP for planning and/or construction funds.

\*“Proposed”—Project has facility planning funds approved for a feasibility study.

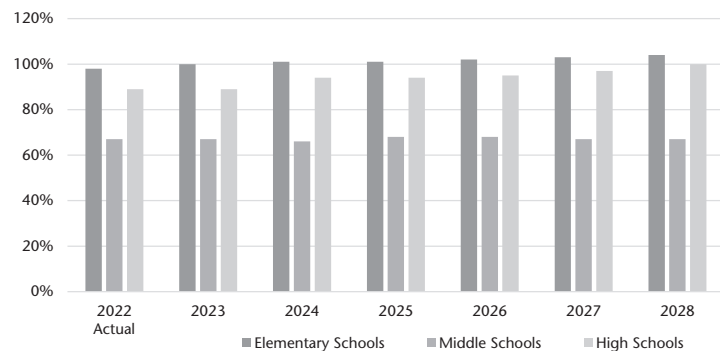
## Magruder Cluster Articulation

2022–2023 School Year



See Appendix U for multicolored maps of service areas.

## Col. Zadok Magruder Cluster School Utilizations



Note: Percent utilization calculated as total enrollment of schools divided by total capacity. Projected capacity factors in capital projects. Desired utilization range is between 80% - 100%

## COL. ZADOK MAGRUDER CLUSTER

### Projected Enrollment and Space Availability Effects of the Adopted FY 2023–2028 Amended CIP and Non-Capital Actions

| Schools                |                   | Actual           | Projections                 |             |             |             |             |             |             |             |
|------------------------|-------------------|------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                        |                   | 22-23            | 23-24                       | 24-25       | 25-26       | 26-27       | 27-28       | 28-29       | 2032        | 2037        |
| Col. Zadok Magruder HS | Program Capacity  | 1885             | 1885                        | 1885        | 1885        | 1885        | 1885        | 1885        | 1885        | 1885        |
|                        | <b>Enrollment</b> | <b>1686</b>      | <b>1685</b>                 | <b>1778</b> | <b>1770</b> | <b>1785</b> | <b>1830</b> | <b>1878</b> | <b>1880</b> | <b>1880</b> |
|                        | Available Space   | 199              | 200                         | 107         | 115         | 100         | 55          | 7           | 5           | 5           |
|                        | Comments          |                  | Plng. for Maj. Cap. Project |             |             |             |             |             |             |             |
| Redland MS             | Program Capacity  | 757              | 757                         | 757         | 757         | 757         | 757         | 757         | 757         | 757         |
|                        | <b>Enrollment</b> | <b>571</b>       | <b>603</b>                  | <b>579</b>  | <b>602</b>  | <b>599</b>  | <b>578</b>  | <b>577</b>  | <b>580</b>  | <b>580</b>  |
|                        | Available Space   | 186              | 154                         | 178         | 155         | 158         | 179         | 180         | 177         | 177         |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Shady Grove MS         | Program Capacity  | 846              | 846                         | 846         | 846         | 846         | 846         | 846         | 846         | 846         |
|                        | <b>Enrollment</b> | <b>495</b>       | <b>477</b>                  | <b>483</b>  | <b>495</b>  | <b>494</b>  | <b>492</b>  | <b>493</b>  | <b>500</b>  | <b>500</b>  |
|                        | Available Space   | 351              | 369                         | 363         | 351         | 352         | 354         | 353         | 346         | 346         |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Candlewood ES          | Program Capacity  | 521              | 521                         | 521         | 521         | 521         | 521         | 521         |             |             |
|                        | <b>Enrollment</b> | <b>368</b>       | <b>365</b>                  | <b>375</b>  | <b>377</b>  | <b>382</b>  | <b>389</b>  | <b>386</b>  |             |             |
|                        | Available Space   | 153              | 156                         | 146         | 144         | 139         | 132         | 135         |             |             |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Cashell ES             | Program Capacity  | 341              | 341                         | 341         | 341         | 341         | 341         | 341         |             |             |
|                        | <b>Enrollment</b> | <b>336</b>       | <b>333</b>                  | <b>355</b>  | <b>351</b>  | <b>357</b>  | <b>361</b>  | <b>362</b>  |             |             |
|                        | Available Space   | 5                | 8                           | (14)        | (10)        | (16)        | (20)        | (21)        |             |             |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Flower Hill ES         | CSR               | Program Capacity | 511                         | 511         | 511         | 511         | 511         | 511         | 511         |             |
|                        | <b>Enrollment</b> | <b>460</b>       | <b>466</b>                  | <b>454</b>  | <b>463</b>  | <b>460</b>  | <b>450</b>  | <b>471</b>  |             |             |
|                        | Available Space   | 51               | 45                          | 57          | 48          | 51          | 61          | 40          |             |             |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Mill Creek Towne ES    | CSR               | Program Capacity | 354                         | 354         | 354         | 354         | 354         | 354         | 354         |             |
|                        | <b>Enrollment</b> | <b>468</b>       | <b>482</b>                  | <b>474</b>  | <b>470</b>  | <b>486</b>  | <b>502</b>  | <b>501</b>  |             |             |
|                        | Available Space   | (114)            | (128)                       | (120)       | (116)       | (132)       | (148)       | (147)       |             |             |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Judith A. Resnik ES    | CSR               | Program Capacity | 526                         | 526         | 526         | 526         | 526         | 526         | 526         |             |
|                        | <b>Enrollment</b> | <b>576</b>       | <b>596</b>                  | <b>587</b>  | <b>584</b>  | <b>572</b>  | <b>590</b>  | <b>582</b>  |             |             |
|                        | Available Space   | (50)             | (70)                        | (61)        | (58)        | (46)        | (64)        | (56)        |             |             |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Sequoyah ES            | CSR               | Program Capacity | 450                         | 450         | 450         | 450         | 450         | 450         | 450         |             |
|                        | <b>Enrollment</b> | <b>431</b>       | <b>471</b>                  | <b>484</b>  | <b>487</b>  | <b>492</b>  | <b>497</b>  | <b>496</b>  |             |             |
|                        | Available Space   | 19               | (21)                        | (34)        | (37)        | (42)        | (47)        | (46)        |             |             |
|                        | Comments          |                  |                             |             |             |             |             |             |             |             |
| Cluster Information    | HS Utilization    | 89%              | 89%                         | 94%         | 94%         | 95%         | 97%         | 100%        | 100%        | 100%        |
|                        | HS Enrollment     | 1686             | 1685                        | 1778        | 1770        | 1785        | 1830        | 1878        | 1880        | 1880        |
|                        | MS Utilization    | 67%              | 67%                         | 66%         | 68%         | 68%         | 67%         | 67%         | 67%         | 67%         |
|                        | MS Enrollment     | 1066             | 1080                        | 1062        | 1097        | 1093        | 1070        | 1070        | 1080        | 1080        |
|                        | ES Utilization    | 98%              | 100%                        | 101%        | 101%        | 102%        | 103%        | 104%        |             |             |
| ES Enrollment          | 2639              | 2713             | 2729                        | 2732        | 2749        | 2789        | 2798        |             |             |             |



## COL. ZADOK MAGRUDER CLUSTER

### Facility Characteristics of Schools 2022–2023

| Schools                | Year Facility Opened | Year Reopened/ Revitalized | Total Square Footage | Site Size Acres | Adjacent Park | Relocatable Classrooms* | County Programs |
|------------------------|----------------------|----------------------------|----------------------|-----------------|---------------|-------------------------|-----------------|
| Col. Zadok Magruder HS | 1970                 |                            | 295,478              | 30.0            |               |                         |                 |
| Redland MS             | 1971                 |                            | 112,297              | 20.6            | Yes           |                         |                 |
| Shady Grove MS         | 1995                 | 1999                       | 129,206              | 20.0            |               |                         |                 |
| Candlewood ES          | 1968                 | 2015                       | 82,222               | 11.8            |               |                         |                 |
| Cashell ES             | 1969                 | 2009                       | 71,171               | 10.2            |               | 2                       |                 |
| Flower Hill ES         | 1985                 |                            | 58,770               | 10.0            | Yes           | 3                       |                 |
| Mill Creek Towne ES    | 1966                 | 2000                       | 67,465               | 8.4             |               | 9                       |                 |
| Judith A. Resnik ES    | 1991                 |                            | 78,547               | 29.8            |               | 6                       |                 |
| Sequoyah ES            | 1990                 |                            | 73,080               | 11.7            | Yes           |                         |                 |

*\*Relocatables on site to address overutilization*



**Candlewood Elementary School**