



## ► Long-Range Facilities Master Plan

Steering Committee #2

January 27, 2022



## ▶ OUTLINE

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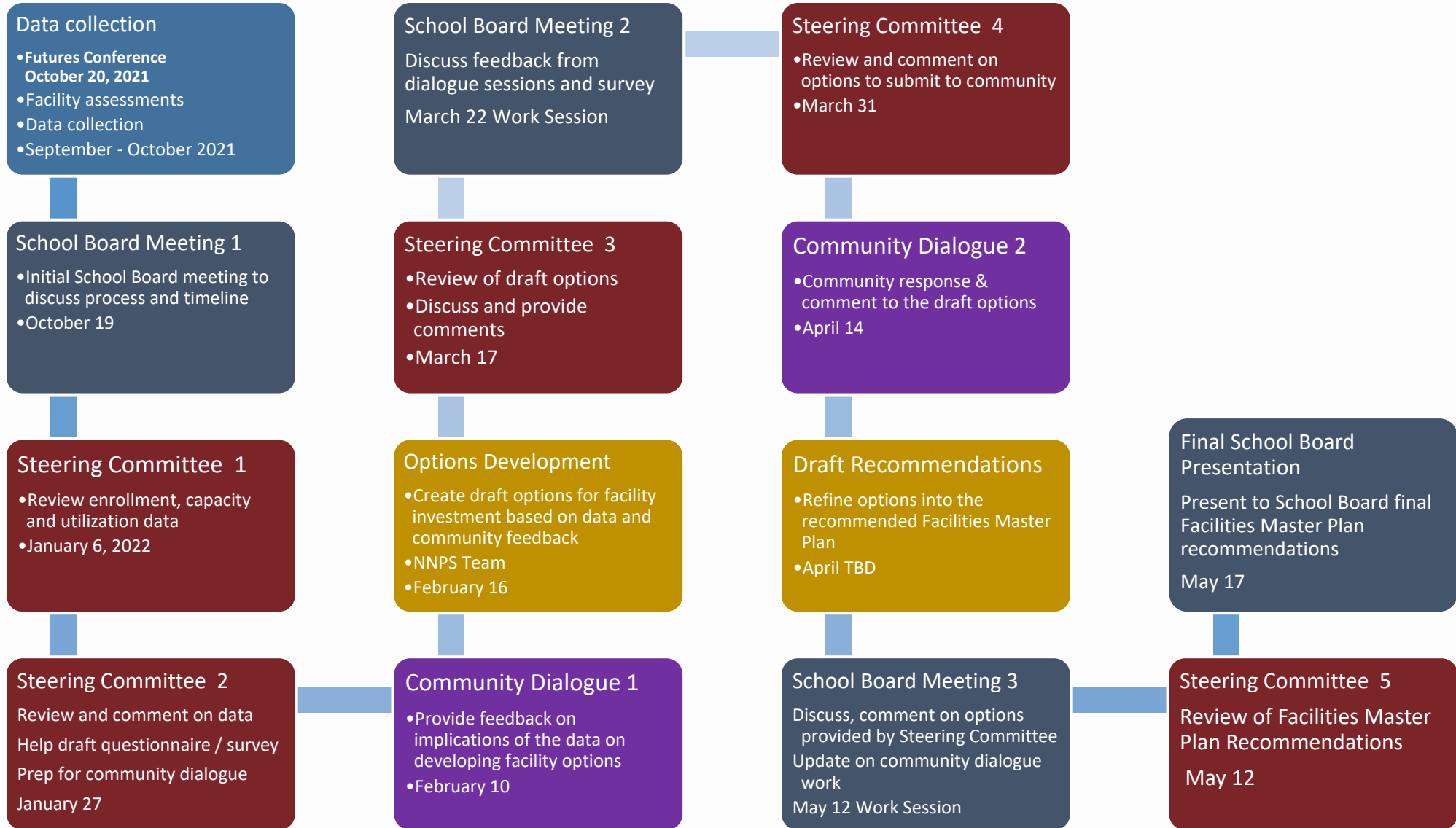
**NEWPORT NEWS  
PUBLIC SCHOOLS**

*We ensure that all students  
graduate college, career, and  
citizen-ready.*



# ▶ PROCESS AND TIMELINE

## PROPOSED DATES & MEETINGS



▶ STEERING COMMITTEE # 1

SMALL GROUP MEETING NOTES



**What surprised us about the data?**

Reduction in enrollment at the 11<sup>th</sup> and 12<sup>th</sup> grades – why?

Not a greater decline in overall enrollment

The disrepair of elementary schools

The number of schools under capacity

Every MS will be under capacity except Passage MS

Static enrollment numbers

North lower capacity is shrinking

Lack of middle school students

No mention of transportation

Deer Park up utilization down vs Hilton down – because Charles?

Cost of system replacement and deferred maintenance

Census data down

**What didn't surprise us about the data?**

Which schools need the most work

A need for a long-range plan

Overutilization in Central Planning Area

Replacement cost is high

Age of facilities

Cost of maintaining schools was high

Level of work needed to convince decision makers about funding

Busing



**What data  
or  
information  
is missing?**

How does COVID impact the trends/data?

Population shifts/trends (locality of students/mobility) - busing

How to reconcile high graduation rate with loss of 11<sup>th</sup> and 12<sup>th</sup> graders

How much of our learning will be virtual?

Impact of portables on data

Zoning

Data on transportation – parking, traffic, number of programs per school, ingress and egress safely, number of buses, number of parent drivers, walkers, parks and rec

Projections to the north with Ft. Eustis

FCI – unseen cost overruns with complications associated with renovations

ROI/year – new vs renovated – Is there a case study with info?

Funding commitment in revenue over the past years

COVID impact on enrollment

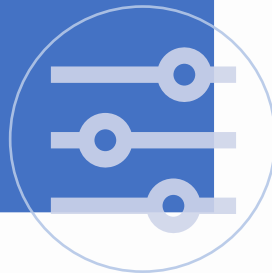
How many schools are on sites that are too small to rebuild?

Federal money



- Balance Capacity - Program Investment
- Major renovation that incorporates “new” safety concerns (i.e. – windows that open)
- Zoning and transportation
- Good stewards of our resources – renovations and repairs

Possible options.



- Educating the public will be important
- Schools are an investment
- School construction – not just money saved, but improved quality schools and improved learning experiences

What has struck you in terms of investing in our schools?

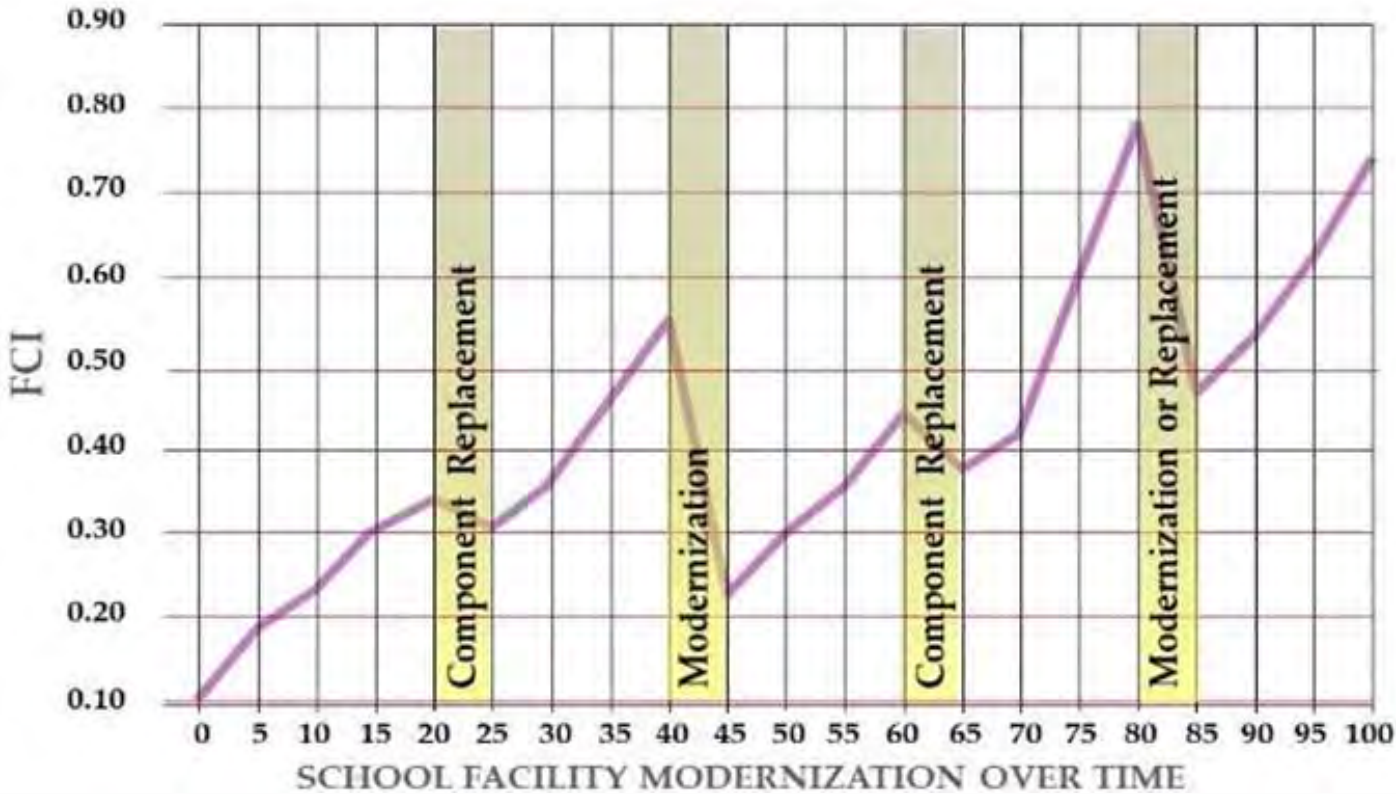




# DIVISION-WIDE DATA

Enrollment, Capacity & Condition

▶ RETURN ON INVESTMENT  
REBUILDING VS MAJOR RENOVATION



Facility components (roofs, HVAC, MEP systems, finishes, etc.) have their own life different cycles and need renovated or replaced at fairly predictable intervals. Carpet, for example, typically needs replaced before roofing systems. Performing these life cycle replacements can prolong the useful life of the facility as a whole; the inverse is also true.

Credit: HBA Architects





▶ RETURN ON INVESTMENT  
REBUILDING VS MAJOR RENOVATION

Building System	# Currently Beyond Expected Useful Life	\$ Currently Beyond Expected Useful Life
Foundation	1	\$ 139,337
Basement Walls	1	\$ 47,112
Floor Structure	32	\$ 149,439,319
Roof Structure	38	\$ 132,904,888
Exterior Walls	3	\$ 1,152,078
Exterior Windows	41	\$ 41,069,893
Exterior Doors	43	\$ 1,325,250
Roof Covering	42	\$ 101,636,233
Roof Openings (Skylights & Hatches)	41	\$ 931,875
Interior Walls - Structural	36	\$ 7,297,469
Interior Doors	45	\$ 14,924,250
Interior Windows	41	\$ 41,069,833
Stairs (structural and finishes)	39	\$ 127,875
Interior Walls - Finishes (Paint, Ceramic Tile, etc.)	46	\$ 3,491,791
Flooring (Carpet, VCT, Wood, etc.)	47	\$ 5,470,008
Ceilings (Paint, Tiles, etc.)	45	\$ 4,325,856
Plumbing - Equipment(Boiler, HWH, Fixtures, Etc.)	36	\$ 2,916,217
HVAC - Equipment (Boiler, Chiller, CT, AHU, Pump, etc.)	90	\$ 44,510,695
Fire Sprinkler(Piping, Heads, etc.)	3	\$ -
Electrical Infrastructure (Panels, Wiring, Switches, Generator, etc.)	63	\$ 49,373,747
IT - Network (Infrastructure & Hardware)	46	\$ 10,938,318
Intercom/PA	46	\$ 10,938,318
Security Alarm/Cameras/Card Access	46	\$ 5,076,260
Fire Alarm	48	\$ 12,025,552
Food Service Equipment	45	\$ 10,720,257
Restroom Stalls/Partitions	45	\$ 8,588,589
Countertops/Cabinets	45	\$ 58,988,940
Parking Lots, Sidewalks, Roadways	39	\$ 2,965,000
Site Improvements (Fencing, Irrigation, Grass, etc.)	36	\$ 122,000
Landscaping	18	\$ 92,500
Utilities (Electrical)	32	\$ 40,062,991
Play Fields (Turf, Tracks, Fields)	12	\$ 1,760,000
	<b>1,191</b>	<b>\$ 764,432,449</b>

NNPS currently has nearly **1,200 building components** that are at the end of their expected useful life, at an estimated value of **\$764M** to replace. Many of these systems are being maintained beyond the modeled useful life and only those in the most acute need of major renovation or replacement were prioritized in the Facility Condition Assessment.

▶ RETURN ON INVESTMENT  
REBUILDING VS MAJOR RENOVATION

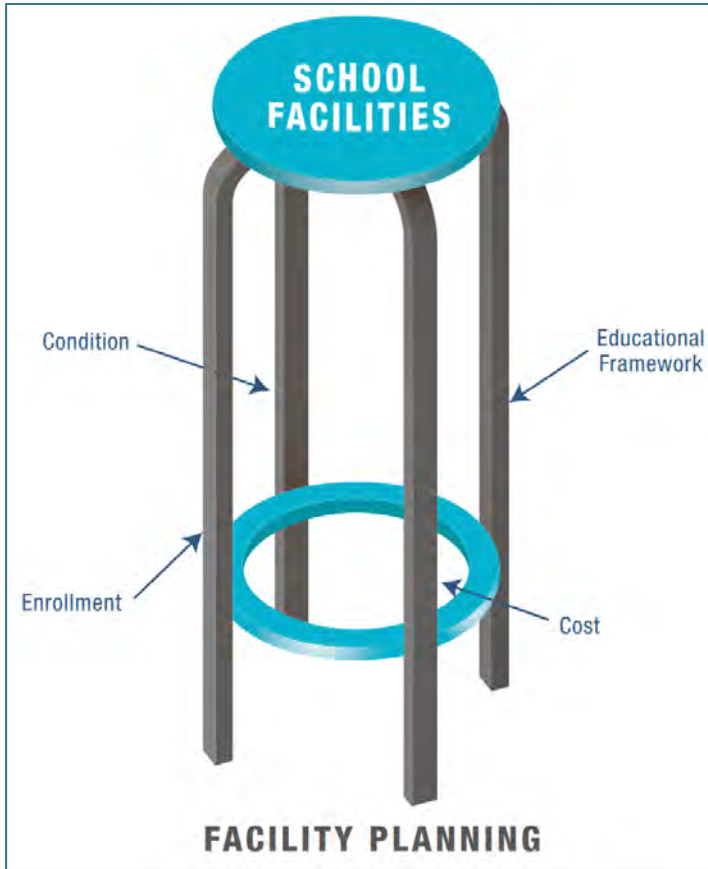


2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
\$764,432,449	\$ 820,359	\$ 38,702,472	\$ 12,976,019	\$ 26,017,796	\$ 576,276	\$ 2,807,984	\$ 5,300,309	\$ 452,402	\$ 28,615,462

Looking beyond the \$764M in current potential component renovations and replacements, the Division averages ~\$13M per year through 2031 in anticipated building renovation and replacements based on component age, totaling \$116M.

The condition assessment prioritizes \$220M in renovations and replacements to address the current backlog and anticipated priority needs through 2026.

► FACILITY DATA CONSIDERED  
ENROLLMENT, CAPACITY, CONDITIONS, ADEQUACY



# Strategic planning

► PREVIOUS EFFORTS | 2019  
**ENROLLMENT PROJECTIONS & CAPACITY STUDY**



Program Capacity		2019	2025	2019	2025
		Enrollment		Utilization	
ECC	1,712	1,465	1,407	86%	82%
ES	14,947	13,239	13,088	89%	88%
MS	7,060	6,243	6,217	88%	88%
HS	9,030	7,705	8,492	85%	94%
<b>TOTAL</b>	<b>32,749</b>	<b>28,652</b>	<b>29,204</b>	<b>87%</b>	<b>89%</b>

Optimal Capacity		2019	2025	2019	2025
		Enrollment		Utilization	
ECC	1,892	1,465	1,407	77%	74%
ES	15,482	13,239	13,088	86%	85%
MS	7,623	6,243	6,217	82%	82%
HS	9,266	7,705	8,492	83%	92%
<b>TOTAL</b>	<b>34,263</b>	<b>28,652</b>	<b>29,204</b>	<b>84%</b>	<b>85%</b>

Washington Middle

Period 6  
 1st Floor

	P6
No Students/Unassigned	19
1 - 5 Students	0
6 - 10 Students	1
11 - 15 Students	6
16 - 20 Students	5
21 - 25 Students	18
26 - 30 Students	13
Greater Than 30 Student	0
Total	62



**In 2019, CS performed a study of capacity and enrollment projections. The study noted overall building utilization is within and expected to remain within the recommended range (85-100%).** NOTE: In 2019, Woodside HS was slightly overutilized at 102%, and Dozier MS was overutilized at 108%. Deer Park, Riverside and Sedgfield ES were 102-111% utilization.



▶ POPULATION ESTIMATES

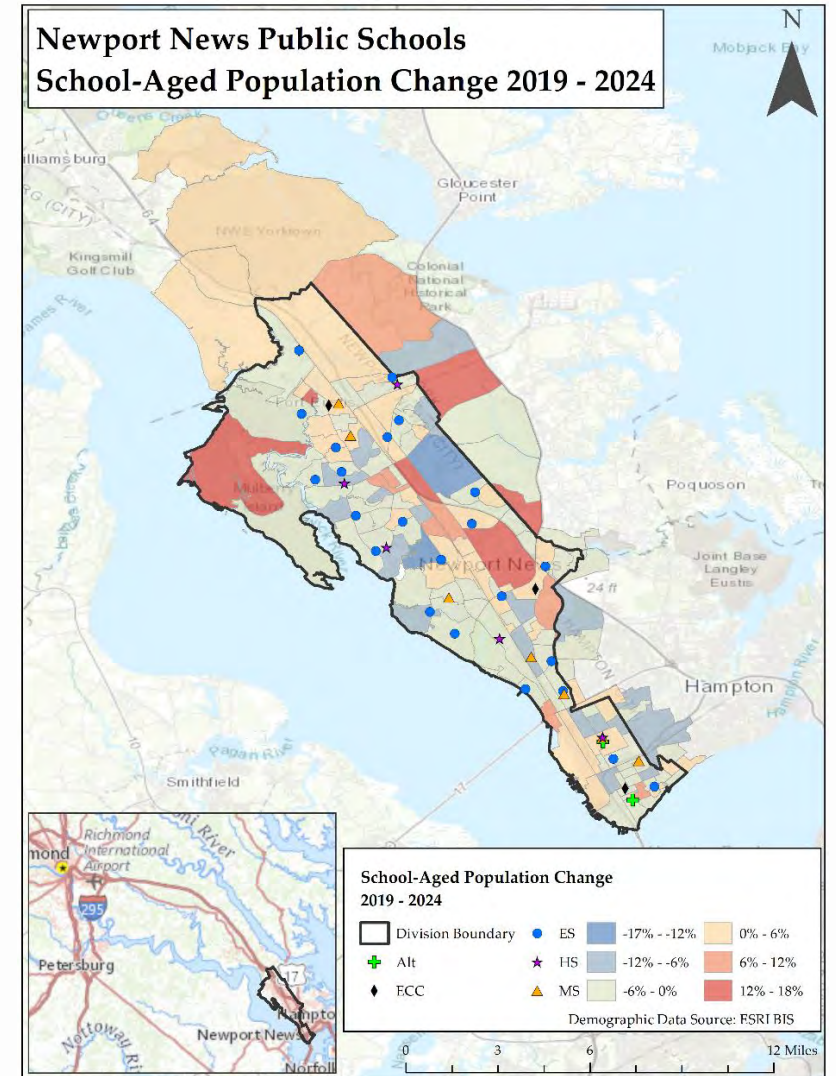
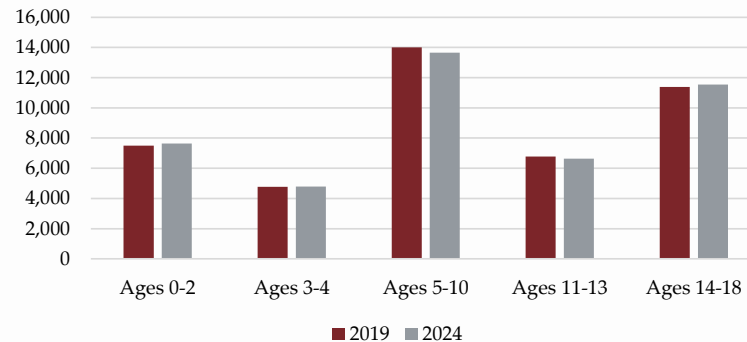
- Total population in Newport News City is estimated to increase by approximately 1% from 2019 to 2024.
- School-aged population (ages 5-18) is estimated to decrease by 357 children, or approximately 1% from 2019 to 2024.

NEWPORT NEWS CITY  
POPULATION ESTIMATES

Age	2019	2024
Ages 0-2	7,502	7,647
Ages 3-4	4,770	4,792
Ages 5-10	14,013	13,661
Ages 11-13	6,779	6,633
Ages 14-18	11,393	11,534
<b>Ages 5-18</b>	<b>32,185</b>	<b>31,828</b>
<b>Total Population</b>	<b>183,918</b>	<b>185,365</b>

Source: ESRI BIS

NEWPORT NEWS CITY  
POPULATION ESTIMATES



# HISTORICAL ENROLLMENT

2010-2019/20



Historical Enrollment - Division-wide

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
PK	1,861	1,839	1,889	1,712	1,616	1,554	1,569	1,504	1,465	1,407
K	2,358	2,316	2,514	2,464	2,341	2,225	2,220	2,181	2,124	2,250
1	2,354	2,295	2,384	2,541	2,449	2,337	2,227	2,244	2,215	2,188
2	2,325	2,210	2,220	2,308	2,453	2,373	2,275	2,192	2,205	2,193
3	2,265	2,209	2,177	2,195	2,252	2,354	2,259	2,215	2,198	2,163
4	2,266	2,125	2,156	2,113	2,151	2,146	2,306	2,235	2,239	2,213
5	2,225	2,185	2,122	2,120	2,065	2,116	2,117	2,266	2,258	2,188
6	2,103	2,167	2,112	2,097	2,057	1,988	2,026	2,063	2,226	2,154
7	2,019	2,052	2,102	2,068	2,056	2,015	1,940	1,977	2,044	2,188
8	2,006	1,949	2,079	2,081	2,068	2,018	1,955	1,935	1,973	2,051
9	2,432	2,238	2,195	2,356	2,277	2,331	2,204	2,177	2,125	2,289
10	2,274	2,181	2,041	2,006	2,166	2,081	2,108	2,020	1,973	1,958
11	2,049	1,953	1,872	1,856	1,776	1,920	1,840	1,845	1,791	1,711
12	1,985	1,978	1,904	1,857	1,820	1,738	1,795	1,827	1,816	1,762
<b>K - 12 Total</b>	<b>28,661</b>	<b>27,858</b>	<b>27,878</b>	<b>28,062</b>	<b>27,931</b>	<b>27,642</b>	<b>27,272</b>	<b>27,177</b>	<b>27,187</b>	<b>27,308</b>
<b>Grand Total</b>	<b>30,522</b>	<b>29,697</b>	<b>29,767</b>	<b>29,774</b>	<b>29,547</b>	<b>29,196</b>	<b>28,841</b>	<b>28,681</b>	<b>28,652</b>	<b>28,715</b>

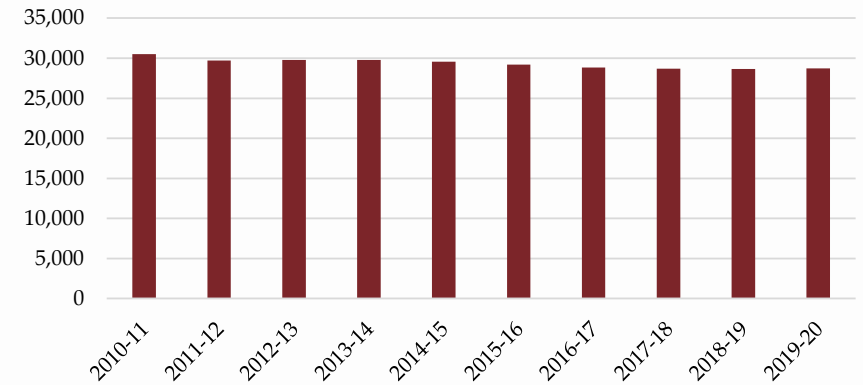
Source: Newport News Public Schools Student Data

Historical Enrollment - Division-wide

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
PK	1,861	1,839	1,889	1,712	1,616	1,554	1,569	1,504	1,465	1,407
K - 5	13,793	13,340	13,573	13,741	13,711	13,551	13,404	13,333	13,239	13,195
6 - 8	6,128	6,168	6,293	6,246	6,181	6,021	5,921	5,975	6,243	6,393
9 - 12	8,740	8,350	8,012	8,075	8,039	8,070	7,947	7,869	7,705	7,720
<b>K - 12 Total</b>	<b>28,661</b>	<b>27,858</b>	<b>27,878</b>	<b>28,062</b>	<b>27,931</b>	<b>27,642</b>	<b>27,272</b>	<b>27,177</b>	<b>27,187</b>	<b>27,308</b>
<b>Grand Total</b>	<b>30,522</b>	<b>29,697</b>	<b>29,767</b>	<b>29,774</b>	<b>29,547</b>	<b>29,196</b>	<b>28,841</b>	<b>28,681</b>	<b>28,652</b>	<b>28,715</b>

Source: Newport News Public Schools Student Data

HISTORICAL ENROLLMENT - DIVISION-WIDE



**The 2020 graduating class started 3rd grade with 500+ more students.**

K-12 enrollment declined over 1,000 students in the past 10 years.

Over the past 10 years, enrollment seems to decline during the middle school years and during the JR and SR high school years.

# PROJECTED ENROLLMENT

2020-2029/30



Projected Enrollment - Recommended - Division-wide

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
PK	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407
K	2,184	2,228	2,132	2,181	2,181	2,181	2,181	2,181	2,181	2,181
1	2,274	2,211	2,249	2,154	2,203	2,203	2,203	2,203	2,203	2,203
2	2,160	2,248	2,185	2,218	2,125	2,178	2,178	2,178	2,178	2,178
3	2,166	2,113	2,213	2,148	2,187	2,096	2,144	2,144	2,144	2,144
4	2,176	2,177	2,122	2,230	2,159	2,200	2,108	2,157	2,157	2,157
5	2,216	2,183	2,183	2,125	2,233	2,162	2,202	2,111	2,158	2,158
6	2,081	2,149	2,100	2,099	2,056	2,128	2,073	2,101	2,013	2,061
7	2,117	2,051	2,115	2,068	2,067	2,022	2,094	2,038	2,069	1,982
8	2,221	2,149	2,080	2,143	2,094	2,093	2,046	2,124	2,065	2,099
9	2,296	2,522	2,449	2,338	2,409	2,363	2,351	2,303	2,379	2,314
10	2,097	2,095	2,305	2,232	2,133	2,197	2,154	2,147	2,098	2,174
11	1,722	1,848	1,837	2,029	1,960	1,879	1,928	1,892	1,887	1,838
12	1,678	1,692	1,819	1,806	1,990	1,924	1,844	1,892	1,857	1,852
<b>K - 12 Total</b>	<b>27,388</b>	<b>27,666</b>	<b>27,789</b>	<b>27,771</b>	<b>27,797</b>	<b>27,626</b>	<b>27,506</b>	<b>27,471</b>	<b>27,389</b>	<b>27,341</b>
<b>Grand Total</b>	<b>28,795</b>	<b>29,073</b>	<b>29,196</b>	<b>29,178</b>	<b>29,204</b>	<b>29,033</b>	<b>28,913</b>	<b>28,878</b>	<b>28,796</b>	<b>28,748</b>

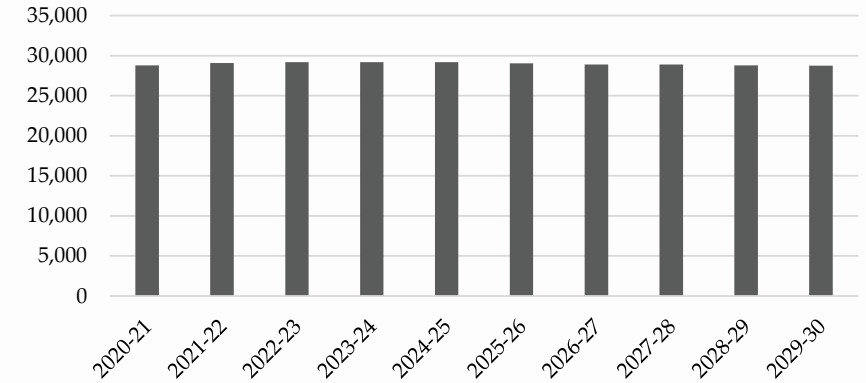
Source: Cooperative Strategies

Projected Enrollment - Recommended - Division-wide

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
PK	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407
K - 5	13,176	13,160	13,084	13,056	13,088	13,020	13,016	12,974	13,021	13,021
6 - 8	6,419	6,349	6,295	6,310	6,217	6,243	6,213	6,263	6,147	6,142
9 - 12	7,793	8,157	8,410	8,405	8,492	8,363	8,277	8,234	8,221	8,178
<b>K - 12 Total</b>	<b>27,388</b>	<b>27,666</b>	<b>27,789</b>	<b>27,771</b>	<b>27,797</b>	<b>27,626</b>	<b>27,506</b>	<b>27,471</b>	<b>27,389</b>	<b>27,341</b>
<b>Grand Total</b>	<b>28,795</b>	<b>29,073</b>	<b>29,196</b>	<b>29,178</b>	<b>29,204</b>	<b>29,033</b>	<b>28,913</b>	<b>28,878</b>	<b>28,796</b>	<b>28,748</b>

Source: Cooperative Strategies

PROJECTED ENROLLMENT - RECOMMENDED - DIVISION-WIDE



**Flat** is how to best describe the projected enrollment over the next 10 years.

Model assumes continued loss at the middle grades and during the JR and SR high school years.

## ▶ FACILITY CONDITION DATA

### IDENTIFIED DEFICIENCIES CURRENT THROUGH YEAR 5

- September-October:** NNPS staff familiar with each site identified current renovation or replacement needs, age of major building systems, and relative project priority levels (e.g., safety or aesthetic).
- November-December:** CS modeled costs for each system, working with the Division to review the findings and model Division-wide priority repairs including the following for systems beyond their expected useful life:
  - HVAC
  - Roofs
  - Electrical (lighting → LED)
  - Furniture, Fixtures & Equipment
  - Hot water heaters → replace with on-demand heaters

Deferred Maintenance	\$220,595,586
Replacement Cost	\$1,387,802,295

Red Highest cost to repair vs. replace --> Major renovation or replacement  
Yellow Moderate cost to repair vs. replace --> Renovate  
Green Low cost to repair vs. replace --> Renovate or differ



#### Newport News Public Schools: Facility Condition Needs by Category & Need

Counts (#)	Red	Yellow	Green	% Red
Doors	16	1	35	31%
Electrical	14	17	21	27%
Exterior Structure	0	0	52	0%
Exterior/Interior Windows	1	7	44	2%
Flooring	4	6	41	8%
Foundation	1	0	51	2%
Furnishing, Fixtures, Equipment	43	0	9	83%
HVAC/Plumbing	24	3	25	46%
Interior Structure	1	0	51	2%
Parking/Traffic	45	0	7	87%
Roofing	18	1	33	35%
Safety/Security	4	0	48	8%
Site	24	1	27	46%
	<b>195</b>	<b>36</b>	<b>444</b>	
	<b>29%</b>	<b>5%</b>	<b>66%</b>	

Costs (\$)	Red	Yellow	Green	Total Cost
Doors	\$ 2,467,648	\$ 3,250	\$ 233,716	\$ 2,704,613
Electrical	\$ 18,598,027	\$ 13,599,226	\$ 4,799,140	\$ 36,996,394
Exterior Structure	\$ -	\$ -	\$ 6,216	\$ 6,216
Exterior/Interior Windows	\$ 777,978	\$ 2,948,275	\$ 64,392	\$ 3,790,645
Flooring	\$ 238,120	\$ 112,253	\$ 122,242	\$ 472,615
Foundation	\$ 87,995	\$ -	\$ -	\$ 87,995
Furnishing, Fixtures, Equipment	\$ 70,856,255	\$ -	\$ 46,736	\$ 70,902,990
HVAC/Plumbing	\$ 26,779,233	\$ 672,001	\$ 1,801,439	\$ 29,252,672
Interior Structure	\$ 1,809,703	\$ -	\$ 774,413	\$ 2,584,115
Parking/Traffic	\$ 4,043,000	\$ -	\$ 19,500	\$ 4,062,500
Roofing	\$ 65,279,544	\$ 102,619	\$ 697,905	\$ 66,080,068
Safety/Security	\$ 448,500	\$ -	\$ -	\$ 448,500
Site	\$ 3,186,287	\$ 2,600	\$ 17,376	\$ 3,206,263
	<b>\$ 194,572,289</b>	<b>\$ 17,440,224</b>	<b>\$ 8,583,072</b>	<b>\$ 220,595,586</b>

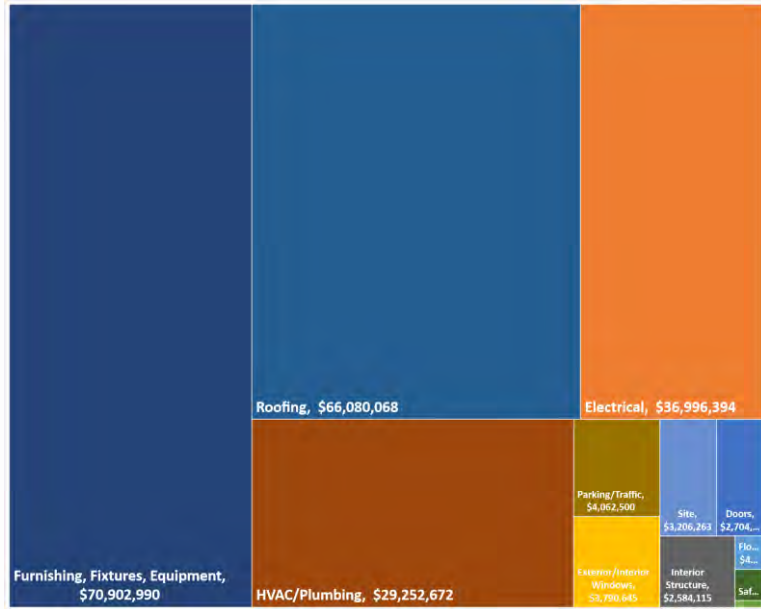




# ► FACILITY CONDITION DATA

## IDENTIFIED DEFICIENCIES CURRENT THROUGH YEAR

- **Darker red cells** indicate the highest cost item per row/campus with costs in millions (e.g., 1.60 = \$1,600,000).
- There are relatively few identified needs in **exterior structure, foundation** and **safety/security systems** as those renovations have been prioritized over the years.



Costs in millions by campus by system		Doors	Electrical	Exterior Structure	Exterior/Interior Windows	Flooring	Foundation	Furnishing, Fixtures, Equipment	HVAC/Plumbing	Interior Structure	Parking/Traffic	Roofing	Safety/Security	Site
Denbigh ECC	ECC	0.18	0.74			0.47		1.60	0.39	0.12	0.21	2.98		
Marshall ECC	ECC	0.77	0.32			0.15		0.88	0.36	0.40		1.28		
Watkins ECC	ECC	0.18	0.26					1.55	1.23	0.72	0.13			0.98
Achievable Dream Academy	ES	0.21	1.00	0.39	0.60			2.49	1.83	0.11	0.33	4.65		
Carver Elementary School	ES	0.12	0.46		0.22	0.88		1.67	0.98	1.90	0.12			0.13
Charles Elementary School	ES	0.28	0.21	0.26	0.45			1.20	0.96	0.43	0.20	2.36		0.26
Deer Park Elementary School	ES	0.13	0.63	0.78				1.13	0.99	0.60	0.65			
Discovery Stem Academy	ES	0.12	0.34					0.72			0.13			
Dutrow Elementary School	ES		0.16		0.38			0.59	0.64	0.33	0.13			0.26
Epes (Stoney Run) Elementary School	ES	0.12	1.38		0.82			1.28	0.84	0.55	0.26	2.55		0.13
Gateway PEEP	ES	0.42	0.25		0.74			0.39	0.31	0.14	0.29			
General Stanford Elementary School	ES		1.67		0.12			0.29			0.20	2.63		
Greenwood Elementary School	ES		0.26	0.49				1.65	0.11	0.53	0.20			
Hiddenwood Elementary School	ES	0.14	0.29		0.16			1.20	0.12	0.51	0.26			
Hilton Elementary School	ES	0.11	0.17	0.29	0.12			0.96	0.96	0.46	0.20	1.87		
Jenkins Elementary School	ES	0.15	0.38		0.68			1.20	0.69	0.78	0.26	2.11		
Kiln Creek Elementary School	ES		0.49					1.89	1.54	0.69	0.20			
Lee Hall (Katherine G. Johnson) Elementary School	ES	0.17	0.25	0.16				1.39	0.17	0.51	0.65			0.65
McIntosh Elementary School	ES	0.44	0.32		0.55			1.24	1.64	0.45	0.16	2.46		0.65
Nelson (Knollwood Meadows) Elementary School	ES	0.12	0.46		0.16			1.32	0.13	0.13	0.98	2.55		
Newsome Park Elementary School	ES		0.33		0.16			1.96	1.50	0.78	0.33			0.26
Palmer Elementary School	ES	0.20	0.40		0.17			1.19	0.13	0.55	0.26			0.13
Richneck Elementary School	ES	0.12	0.49		0.35			1.44	2.00	0.67	0.46	2.22		0.98
Riverside Elementary School	ES	0.14	0.19		0.66			1.17	0.68	0.38	0.33			0.65
Sanford Elementary School	ES	0.14	0.43		0.77			1.20	0.12	0.13	0.26	2.39		0.98
Saunders Elementary School	ES	0.33	0.45		0.56			1.34	0.96	0.62	0.26	2.52		0.65
Sedgefield Elementary School	ES	0.26	0.23		0.73			1.29	0.74	0.70	0.39			0.20
Yates Elementary School	ES	0.18	0.35		0.39			0.97	0.33	0.31	0.65			0.12
Gildersleeve Middle School	MS		0.95		0.17			2.67	0.17	0.41	0.65			0.19
Hines Middle School	MS	0.64	0.47		0.17			2.83		0.17	0.13			
Huntington Middle School	MS							3.90	0.26	0.14				
Passage Middle School	MS		3.33					0.47	2.11	0.65	0.20	5.11		0.13
Washington Middle School	MS		1.66					1.41	1.80	0.52	0.98	2.15		0.14
Denbigh High School	HS	0.84	3.24	0.74	0.11			4.77	2.96	0.33	0.20	8.79	0.20	0.98
Heritage High School	HS		2.17		0.22			0.25	0.18	0.20				0.16
Menchville High School	HS	0.11	1.77		0.17			5.14	3.48	0.24	0.26		0.98	0.65
Warwick High School	HS	0.42	3.63		0.45			5.26	1.79	0.17	0.26	6.90	0.98	1.56
Woodside High School	HS		2.17		0.19			0.33	0.39	0.20	1.12			0.16
Achievable Dream Middle School/High Schools	MS-HS		0.99		0.12			2.57	1.47	0.94	0.23			0.65
Crittenden Middle School	MS-HS	0.28	0.69	0.58	0.15			3.49	0.47	0.15	0.26	0.70		
Dozier (Ella Fitzgerald) Middle School	MS-HS	0.27	1.68	0.58	0.83			2.95	1.18	0.11	0.16			0.13
Administration	Support	0.22	0.76	0.19	0.19			0.85	0.48	0.31	0.20			0.39
Child Nutrition - Patrick Henry Dr.	Support		0.93	0.62							0.20			
Drivers Tower	Support	0.39	0.48		0.36			0.28	0.83	0.14	0.39			
Lee Hall (Katherine G. Johnson) Adult Learning Center	Support		0.52					0.29	0.12	0.17	0.65			0.20
Newsome Park Bus Lot	Support		0.47		0.94			0.26	0.17	0.97				
Plant Services - Patrick Henry Dr.	Support		0.91											
Reservoir Bus Lot	Support		0.16						0.66					
Staff Support Center	Support	0.62	0.62		0.26			0.57	0.74	0.21	0.46		0.59	
Telecommunications	Support		1.00					0.11	0.11	0.42	0.65			
Todd Stadium/Press Box	Support	0.93	0.36					0.28	0.17	0.14	0.13			
Transportation - Patrick Henry Dr.	Support		0.14						0.54	0.33				



# PLANNING AREA DATA

# ▶ NORTH ELEMENTARY PLANNING AREA

**FCI = Facility Condition Index**  
The cost of all condition needs divided by the cost to replace the building.



Building Name	Year Built	Years of Additions or Renovations	Gross Square Footage	Site Acreage	PRV	Current Needs (0-5 years)	FCI	Current Capacity	Enrollment: 2010-11	Growth/Decline since 2010-11	Enroll Current (2021-22)	Growth/Decline proj. to 2026-27	Enroll Projected (2026-27)	Utilization Current	Utilization Projected (2026)
Dutrow ES	1974	2009, 2010	30,167	17	\$9,321,603	\$748,627	8%	576	476	▲ -12	464	▲ 41	505	81%	88%
Epes (Stoney Run) ES	1968	1990, 1994, 2009, 2013	65,136	23	\$20,127,024	\$5,343,345	27%	615	573	▼ -101	472	▲ 65	537	77%	87%
General Stanford ES	2003	N/A	67,766	13	\$20,939,694	\$4,614,517	22%	659	586	▼ -136	450	▲ 105	555	68%	84%
Greenwood ES	1986	1990, 2013, 2010, 2011	74,406	16	\$22,991,454	\$2,093,822	9%	706	656	▼ -97	559	▲ 22	581	79%	82%
Jenkins ES	1966	1987, 2009	53,961	24	\$16,673,949	\$3,807,034	23%	497	461	▲ 8	469	▲ -9	460	94%	93%
Lee Hall (Katherine G. Johnson) ES	1956	1958, 1972, 1989, 1994, 2005, 2008, 2014	71,397	22	\$22,061,673	\$2,013,142	9%	699	645	▼ -161	484	▲ 86	570	69%	82%
McIntosh ES	1976	1994, 2001, 2011, 2012	62,898	19	\$19,435,482	\$5,217,021	27%	561	513	▼ -107	406	▲ 47	453	72%	81%
Richneck ES	1967	1973, 1994, 2010	68,739	17	\$21,240,351	\$5,524,237	26%	775	668	▼ -82	586	▲ 48	634	76%	82%
AVG-->	<b>1975</b>	TOTALS-->	<b>494,470</b>	<b>151</b>	<b>\$152,791,230</b>	<b>\$29,361,746</b>	<b>19%</b>	<b>5,088</b>	<b>4,578</b>	<b>▼ -688</b>	<b>3,890</b>	<b>▲ 405</b>	<b>4,295</b>	<b>76%</b>	<b>84%</b>

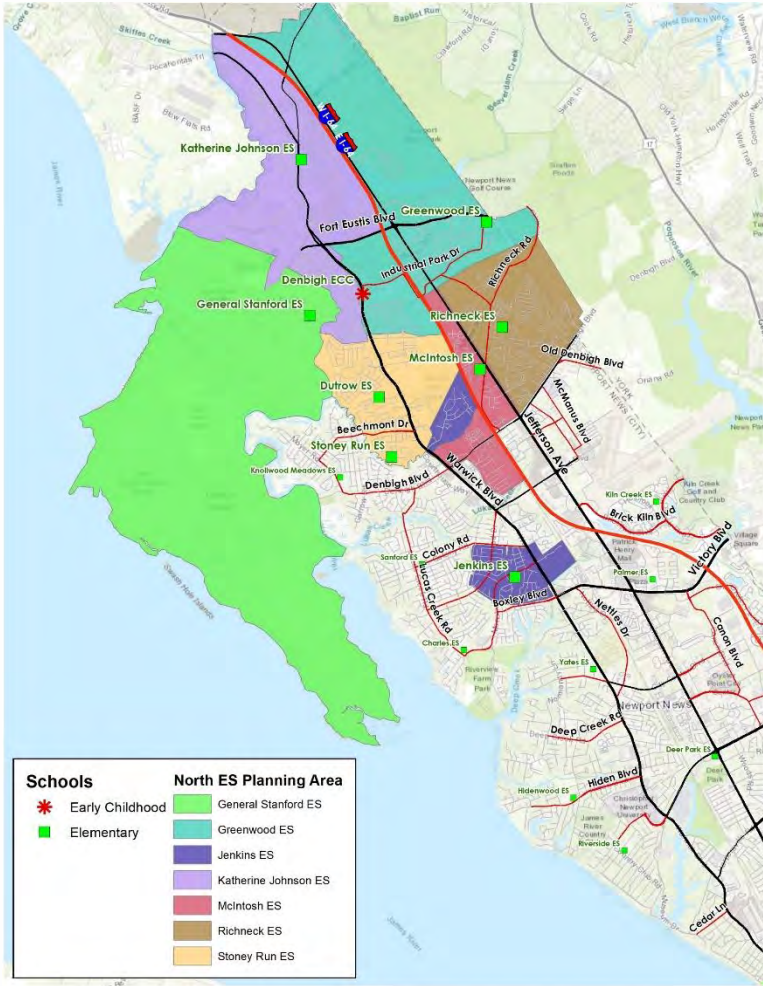
General Stanford ES (2003) is the newest school, with all other schools built b/t 1956-1986. All school except Gen. Stanford have had a total of 24 additions or renovations.

While Gen. Stanford is the newest school, the roof and HVAC systems are at the end of their life cycle and need major renovation or replacements. NNPS is also in the process of updating IT network and security systems and upgrading to LED lighting for efficiency. Older schools have similar system renovation & replacement needs.

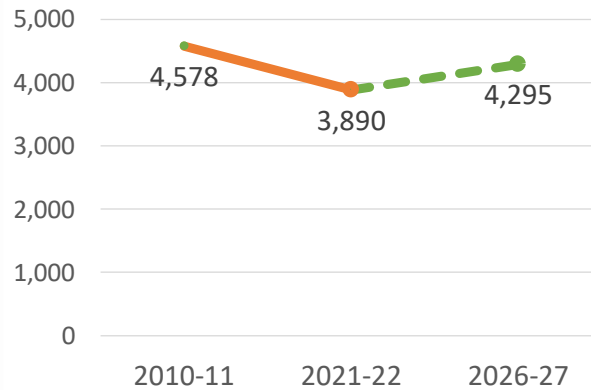
These ES have lost 676 students since 2010 but are projected to gain 364\* through 2026-27. 6/7 schools are less than 80% utilized with no schools over 100%. There are currently ~ 1,100 surplus ES seats with a projected ~750 surplus seats in 2026-27.

\* Enrollment projections are in the process of being updated (delivery Jan 2022).

# ▶ NORTH ELEMENTARY PLANNING AREA



## Enrollment Trends



## School Utilization Balance

<# students / capacity>



0 > 100%  
6 < 80%

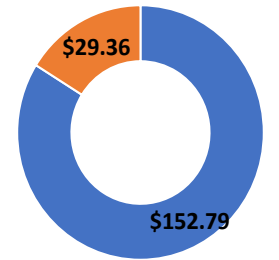
## # Schools that need major renovation or replacement

<based on FCI>



## Total Need

<in millions>



■ PRV ■ Current Needs (0-5 years)

# ▶ CENTRAL ELEMENTARY PLANNING AREA

**FCI = Facility Condition Index**  
The cost of all condition needs divided by the cost to replace the building.



Building Name	Year Built	Years of Additions or Renovations	Gross Square Footage	Site Acreage	PRV	Current Needs (0-5 years)	FCI	Current Capacity	Enrollment: 2010-11	Growth/Decline since 2010-11	Enroll Current (2021-22)	Growth/Decline proj. to 2026-27	Enroll Projected (2026-27)	Utilization Current	Utilization Projected (2026)
Charles ES	1970	2005	60,388	15	\$18,659,892	\$4,987,203	27%	535	542	▼ -172	370	▲ 51	421	69%	79%
Deer Park ES	1953	1978, 1980, 1996	49,612	20	\$15,330,108	\$2,615,736	17%	518	503	▲ 30	533	▲ 106	639	103%	123%
Hiddenwood ES	1957	1974, 1988, 2008, 2013, 2014, 2015	59,792	18	\$18,475,728	\$1,841,573	10%	637	564	▼ -31	533	▬ -2	531	84%	83%
Hilton ES	1919	1936, 1952, 1965, 1966, 1978, 1990, 2001, 2010	47,800	8	\$14,770,200	\$3,352,091	23%	431	388	▬ -10	378	▬ -12	366	88%	85%
Kiln Creek ES	1991	1993, 2013	96,438	15	\$29,799,342	\$3,944,005	13%	793	743	▼ -122	621	▲ 44	665	78%	84%
Nelson (Knollwood Meadows) ES	1965	1974, 2009, 2014	65,111	17	\$20,119,299	\$4,559,991	23%	647	577	▼ -143	434	▲ 99	533	67%	82%
Palmer ES	1971	2005, 2010, 2011, 2012	56,772	13	\$17,542,548	\$1,778,942	10%	546	538	▼ -121	417	▲ 71	488	76%	89%
Riverside ES	1952	1972, 1978, 1990, 2008, 2011, 2013	52,918	16	\$16,351,662	\$1,579,752	10%	499	563	▼ -78	485	▲ 39	524	97%	105%
Sanford ES	1964	1972, 2009, 2014	61,063	16	\$18,868,467	\$4,212,951	22%	673	551	▼ -45	506	▼ -39	467	75%	69%
Yates ES	1962	1968, 2009, 2020	43,608	15	\$13,474,872	\$1,897,750	14%	479	447	▼ -57	390	▲ 102	492	81%	103%
AVG-->	<b>1960</b>	TOTALS-->	<b>593,502</b>	<b>152</b>	<b>\$183,392,118</b>	<b>\$30,769,993</b>	<b>17%</b>	<b>5,758</b>	<b>5,416</b>	<b>▼ -749</b>	<b>4,667</b>	<b>▲ 459</b>	<b>5,126</b>	<b>81%</b>	<b>89%</b>

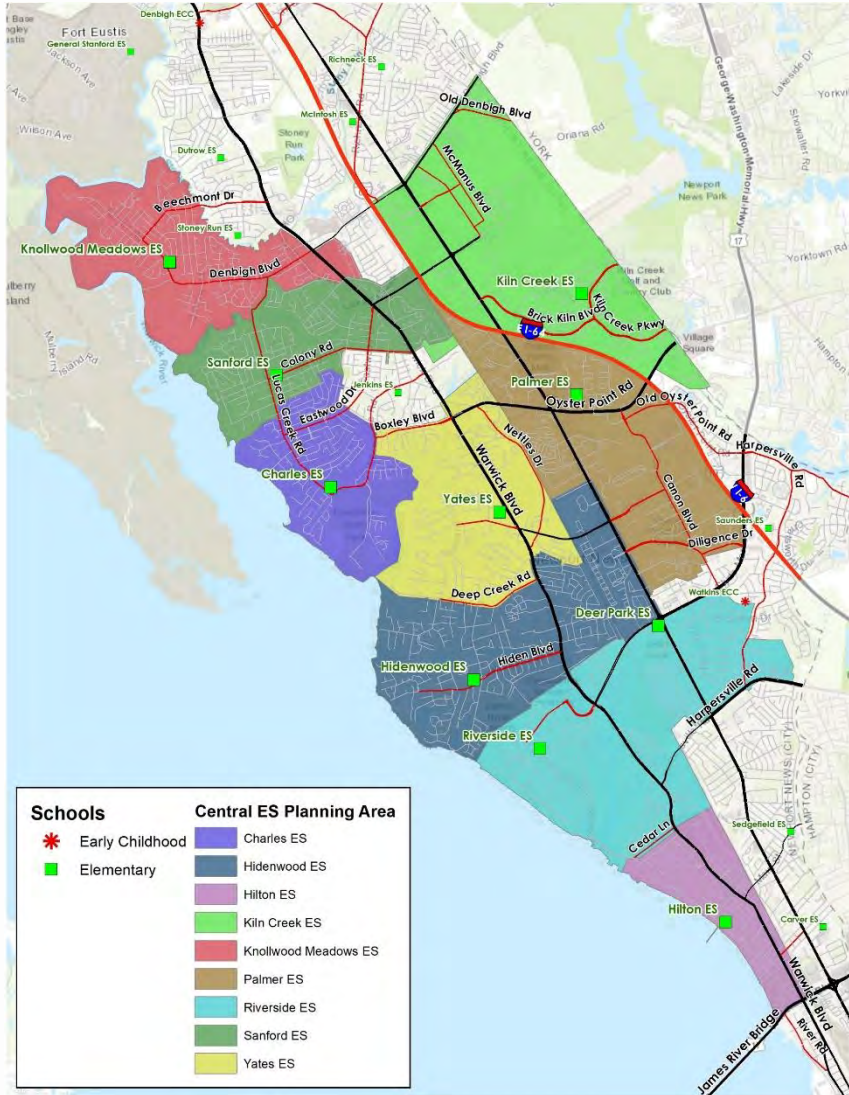
Kiln Creek ES (1991) is the newest school, with all other schools built b/t 1919-1971. All schools combined have had a total of 39 additions or renovations.

Schools with the higher FCI have a roof and HVAC systems at the end of their life cycle and need major renovation or replacements. NNPS is also in the process of updating IT network and security systems and upgrading to LED lighting for efficiency. Older schools have similar system renovation & replacement needs.

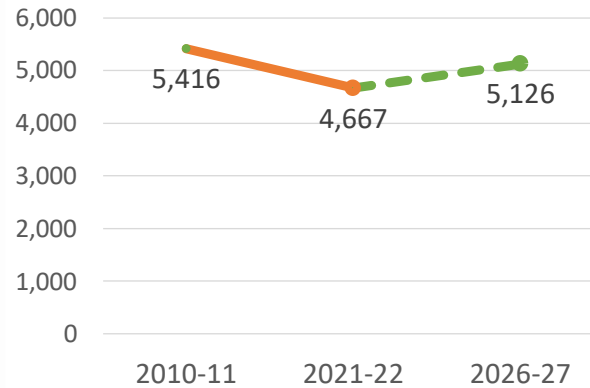
These ES have lost 749 students since 2010 but are projected to gain 459\* through 2026-27. Half of these schools are less than 80% utilized with one school over 100%. There are currently ~ 1,100 surplus ES seats with a projected ~600 surplus seats in 2026-27.

\* Enrollment projections are in the process of being updated (delivery Jan 2022).

# ▶ CENTRAL ELEMENTARY PLANNING AREA



## Enrollment Trends



## School Utilization Balance

<# students / capacity>



1 > 100%  
5 < 80%

## # Schools that need major renovation or replacement

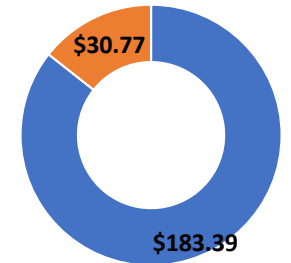
<based on FCI>



5

## Total Need

<in millions>



■ PRV ■ Current Needs (0-5 years)

# ▶ SOUTH ELEMENTARY PLANNING AREA



**FCI = Facility Condition Index**

The cost of all condition needs divided by the cost to replace the building.

Building Name	Year Built	Years of Additions or Renovations	Gross Square Footage	Site Acreage	PRV	Current Needs (0-5 years)	FCI	Current Capacity	Enrollment: 2010-11	Growth/Decline since 2010-11	Enroll Current (2021-22)	Growth/Decline proj. to 2026-27	Enroll Projected (2026-27)	Utilization Current	Utilization Projected (2026)
Achievable Dream Academy	1961	1978, 1980, 2012, 2013	118,807	10	\$36,711,363	\$10,613,736	29%	695	634	▼ -32	602	■ 16	618	87%	89%
Carver ES	1953	1975, 1980, 1989, 1994, 1998, 2009, 213, 2014	70,366	10	\$21,743,094	\$4,292,803	20%	794	737	▼ -158	579	▲ 89	668	73%	84%
Discovery Stem Academy	2016	N/A	97,612	7	\$30,162,108	\$544,716	2%	785	306	▲ 244	550	▲ 74	624	70%	79%
Newsome Park ES	1967	1969, 1980, 2009, 2010	93,554	20	\$28,908,186	\$3,858,085	13%	611	669	▼ -182	487	■ -5	482	80%	79%
Saunders ES	1965	1969, 1987, 1994, 2009	64,300	18	\$19,868,700	\$5,317,251	27%	770	664	▼ -58	606	▲ 151	757	79%	98%
Sedgefield ES	1956	1972, 1989, 2005, 2008, 2012	57,761	18	\$17,848,149	\$1,660,086	9%	447	640	▼ -195	445	▼ -63	382	100%	85%
AVG-->	<b>1970</b>	TOTALS-->	<b>502,400</b>	<b>83</b>	<b>\$155,241,600</b>	<b>\$26,286,676</b>	<b>17%</b>	<b>4,102</b>	<b>3,650</b>	<b>▼ -381</b>	<b>3,269</b>	<b>▲ 262</b>	<b>3,531</b>	<b>80%</b>	<b>86%</b>

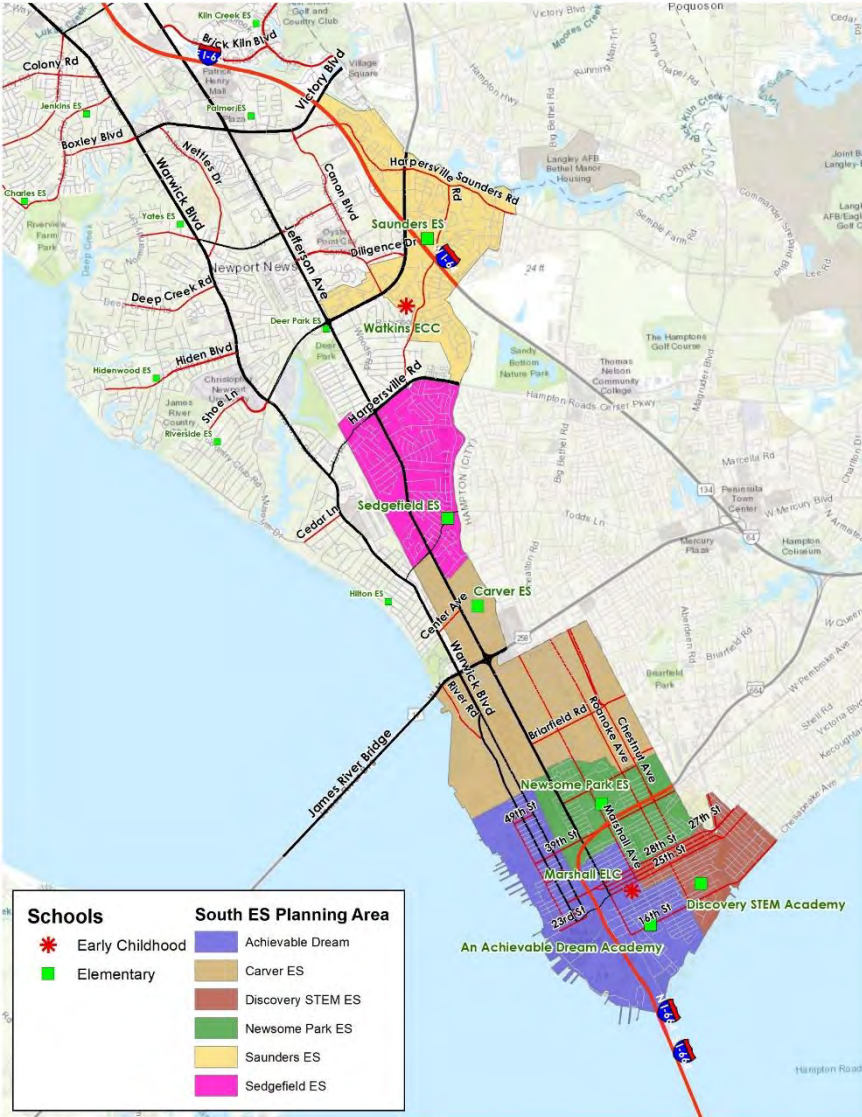
Discovery STEM Academy (2016) is the newest school, with all other schools built b/t 1953-1967. All schools except Discovery STEM Academy have had a total of 25 additions or renovations.

Schools with the higher FCI have a roof and HVAC systems at the end of their life cycle and need major renovation or replacements. NNPS is also in the process of updating IT network and security systems and upgrading to LED lighting for efficiency. Older schools have similar system renovation & replacement needs.

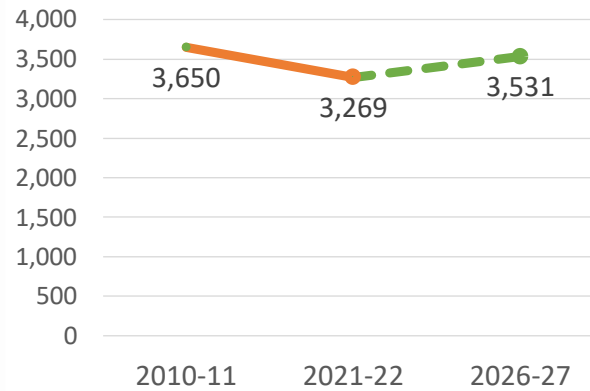
These ES have lost 381 students since 2010 but are projected to gain 262\* through 2026-27. 4/6 schools are less than 80% utilized with no schools over 100%. There are currently ~ 800 surplus ES seats with a projected ~550 surplus seats in 2026-27.

\* Enrollment projections are in the process of being updated (delivery Jan 2022).

# ▶ SOUTH ELEMENTARY PLANNING AREA



## Enrollment Trends



## School Utilization Balance

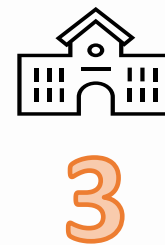
<# students / capacity>



0 > 100%  
4 < 80%

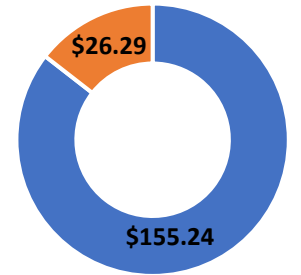
## # Schools that need major renovation or replacement

<based on FCI>



## Total Need

<in millions>



■ PRV ■ Current Needs (0-5 years)



# ▶ MIDDLE SCHOOL PLANNING AREA

**FCI = Facility Condition Index**  
The cost of all condition needs divided by the cost to replace the building.



Building Name	Year Built	Years of Additions or Renovations	Gross Square Footage	Site Acreage	PRV	Current Needs (0-5 years)	FCI	Current Capacity	Enrollment: 2010-11	Growth/Decline since 2010-11	Enroll Current (2021-22)	Growth/Decline proj. to 2026-27	Enroll Projected (2026-27)	Utilization Current	Utilization Projected (2026)
Achievable Dream Middle School/HS	1951	1954, 1972, 1986, 1990, 1998, 2006, 2013	98,315	16	\$32,738,895	\$5,399,487	16%	716	429	▲ 76	505	■ -20	485	71%	68%
Crittenden MS	1949	1956, 1957, 1965, 1977, 1994, 2010, 2011, 2014	174,112	24	\$57,979,296	\$5,918,580	10%	1306	795	▲ 109	904	■ 16	920	69%	70%
Dozier (Ella Fitzgerald) MS	1974	2008, 2010, 2011	132,709	39	\$44,192,097	\$6,864,670	16%	1359	1115	■ 0	1115	▼ -66	1049	82%	77%
Gildersleeve MS	1989	2009, 2010	135,246	40	\$45,036,918	\$3,854,656	9%	1350	1030	▲ 53	1083	▼ -58	1025	80%	76%
Hines MS	1990	2009, 2010	135,246	22	\$45,036,918	\$3,541,877	8%	1224	876	▲ 76	952	▼ -62	890	78%	73%
Huntington MS	1936	1951, 1963, 1969, 1989, 2008, 2011	199,795	12	\$66,531,735	\$4,167,424	6%	N/A	578	▼ -296	282	▲ 294	576	@ Heritage HS	
Passage MS	2001	2020	131,880	33	\$43,916,040	\$10,342,086	24%	1221	1024	▼ -37	987	▲ 77	1064	81%	87%
Washington MS	1929	1936, 1953, 1969, 1980, 2004	72,400	5	\$24,109,200	\$6,468,575	27%	600	429	■ -13	416	■ 17	433	69%	72%
AVG-->	<b>1965</b>	TOTALS-->	<b>1,079,703</b>	<b>191</b>	<b>\$359,541,099</b>	<b>\$46,557,355</b>	<b>13%</b>	<b>7,776</b>	<b>6,276</b>	<b>▼ -32</b>	<b>6,244</b>	<b>▲ 198</b>	<b>6,442</b>	<b>80%</b>	<b>83%</b>

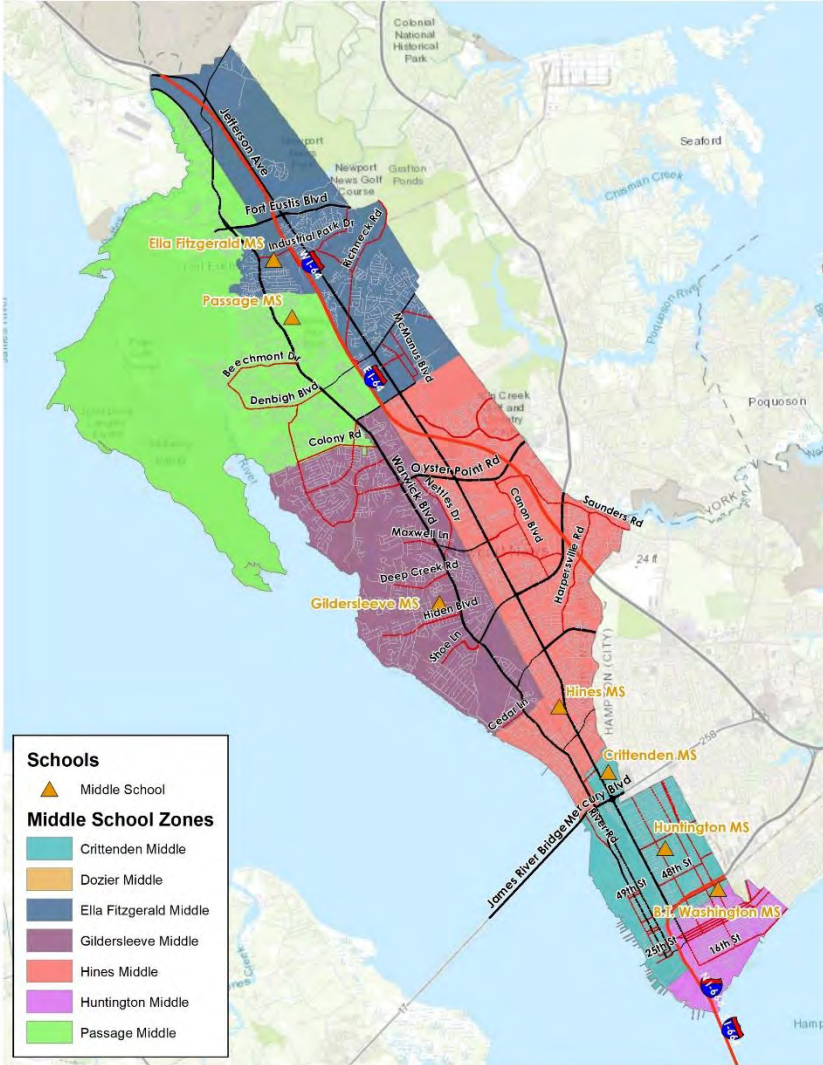
Passage MS (2001) is the newest school, with all other schools built b/t 1929-1990. All schools except Passage MS have had a total of 34 additions or renovations.

Schools with the higher FCI have a roof and HVAC systems at the end of their life cycle and need major renovation or replacements. NNPS is also in the process of updating IT network and security systems and upgrading to LED lighting for efficiency. Older schools have similar system renovation & replacement needs.

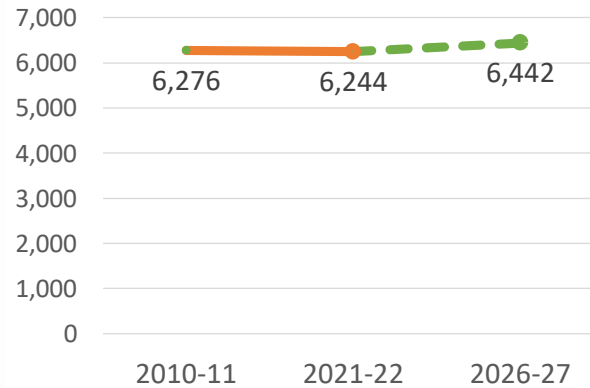
The MS have lost 32 students since 2010 but are projected to gain 198\* through 2026-27. Half of the schools are less than 80% utilized with no schools over 82%. There are currently ~ 1,500 surplus MS seats with a projected ~1,300 surplus seats in 2026-27.

\* Enrollment projections are in the process of being updated (delivery Jan 2022).

# ▶ MIDDLE SCHOOL PLANNING AREA



## Enrollment Trends



## School Utilization Balance

<# students / capacity>



0 > 100%  
4 < 80%

## # Schools that need major renovation or replacement

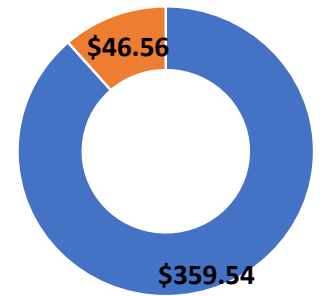
<based on FCI>



4

## Total Need

<in millions>



■ PRV ■ Current Needs (0-5 years)

# ▶ HIGH SCHOOL PLANNING AREA

**FCI = Facility Condition Index**  
 The cost of all condition needs divided by the cost to replace the building.



Building Name	Year Built	Years of Additions or Renovations	Gross Square Footage	Site Acreage	PRV	Current Needs (0-5 years)	FCI	Current Capacity	Enrollment: 2010-11	Growth/Decline since 2010-11	Enroll Current (2021-22)	Growth/Decline proj. to 2026-27	Enroll Projected (2026-27)	Utilization Current	Utilization Projected (2026)
Denbigh HS	1965	1980, 1986, 1988, 2011, 2014, 2120	226,751	32	\$85,711,878	\$20,591,573	24%	1633	1524	▼ -313	1211	▲ 198	1409	74%	86%
Heritage HS	1996	N/A	255,746	37	\$96,671,988	\$2,635,942	3%	1647	1406	▼ -237	1169	▲ 110	1279	71%	78%
Lee Hall (Katherine G. Johnson) Adult Learning Cent	1994	2021	15,000	Part of Lee Hall ES	\$5,670,000	\$555,384	10%								
Menchville HS	1970	1975., 1980, 1986, 2005, 2010, 2011, 2012	245,653	49	\$92,856,834	\$10,714,513	12%	1889	1899	▼ -166	1733	▼ -45	1688	92%	89%
Warwick HS	1968	2011, 2013, 2019, 2020	237,258	25	\$89,683,524	\$19,213,716	21%	2095	1743	▼ -120	1623	▲ 120	1743	77%	83%
Woodside HS	1996	2020	255,746	46	\$96,671,988	\$12,716,842	13%	1767	2109	▼ -366	1743	▲ 186	1929	99%	109%
AVG-->	<b>1982</b>	TOTALS-->	<b>1,236,154</b>	<b>188</b>	<b>\$467,266,212</b>	<b>\$66,427,970</b>	<b>14%</b>	<b>9,031</b>	<b>8,681</b>	<b>▼-1202</b>	<b>7,479</b>	<b>▲ 569</b>	<b>8,048</b>	<b>83%</b>	<b>89%</b>

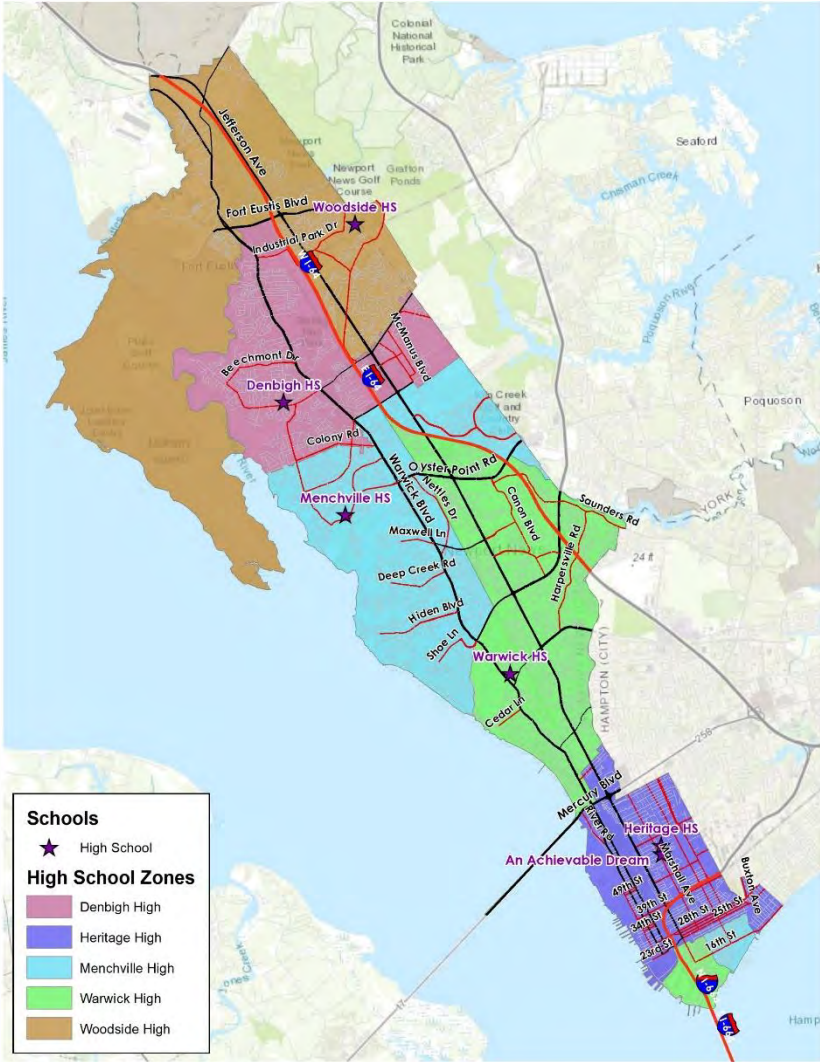
Heritage HS and Woodside HS (1996) are the newest high schools, with all other schools built b/t 1965-1994. All schools have had a total of 19 additions or renovations.

Schools with the higher FCI have a roof and HVAC systems at the end of their life cycle and need major renovation or replacements. NNPS is also in the process of updating IT network and security systems and upgrading to LED lighting for efficiency. Older schools have similar system renovation & replacement needs.

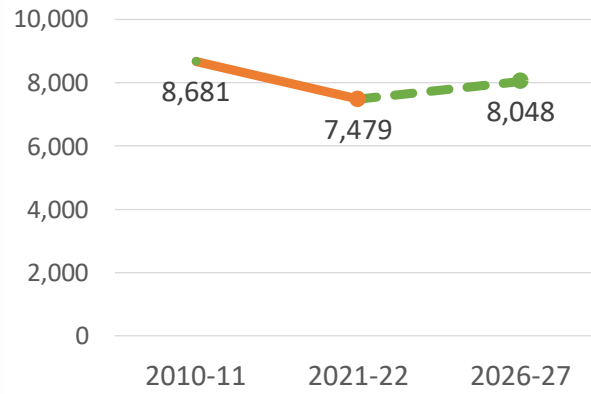
These HS have lost 1,202 students since 2010 but are projected to gain 569\* through 2026-27. 3/5 schools are less than 80% utilized with no schools over 100%. There are currently ~ 1,550 surplus HS seats with a projected ~980 surplus seats in 2026-27.

\* Enrollment projections are in the process of being updated (delivery Jan 2022).

# ▶ HIGH SCHOOL PLANNING AREA



## Enrollment Trends



## School Utilization Balance

<# students / capacity>



0 > 100%  
3 < 80%

## # Schools that need major renovation or replacement

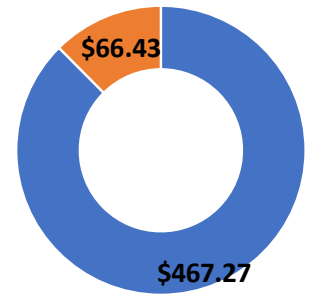
<based on FCI>



2

## Total Need

<in millions>



■ PRV ■ Current Needs (0-5 years)



# NEXT STEPS



**Community Survey: January 31-February 11**

**Community Dialogue: February 10**

*Provide feedback on implications of the data on developing facility options*

**Options Work Session: February 16**

*Create draft options for facility investment based on data and community feedback*





*NNPS Division Leadership*



# ▶ REMINDER! FACILITIES LONG-RANGE PLAN OUTCOMES

## WHAT ARE WE TRYING TO ACCOMPLISH & OUTCOMES

Align **major capital investments** over the next 5-10 years with educational program needs, capacities, budgets and our communities.

<ul style="list-style-type: none"><li>• Population growth/decline</li><li>• Building conditions</li><li>• Program needs</li></ul> <p>New Construction / Rebuilding our Schools</p> 	<ul style="list-style-type: none"><li>• Systems (roof, HVACs, etc.,)</li><li>• Whole building</li></ul> <p>Major Renovations</p> 	<ul style="list-style-type: none"><li>• Science, Technology, Engineering, and Math (STEM)</li><li>• Career and Technical Education (CTE)</li><li>• Visual and Performing Arts (VPA)</li><li>• Special Education</li><li>• Other</li></ul> <p>Program Investments</p> 	<ul style="list-style-type: none"><li>• Do we have the right number of schools, at the right sizes, in the right locations, with the right learning environments to sustainably serve <b>all students</b> equitably?</li></ul> <p>Efficiency &amp; Efficacy</p> 
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