FY-2024 Capital Improvement Program

WCPS | Washington County Public Schools

11/18/2022

Revised 2/21/2023

FY 2024
CIP

CAPITAL IMPROVEMENT PROGRAM

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CAPITAL IMPROVEMENT PROGRAM
FY 2024

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Introduction

This document presents the recommendation for the Fiscal Year (FY) 2024 State Capital Improvement Program (CIP) request. This request mirrors the prioritization of facility and system needs that were identified in the 2022 Educational Facilities Master Plan (EFMP) approved by the Board of Education in June 2022.

To receive state funding, the Washington County Public Schools (WCPS) CIP request must meet the requirements set forth in COMAR 14.39 and in the Maryland Public School Construction Program's (PSCP's) Administrative Procedures Guide for the submission of the CIP. The CIP consists of three distinct parts:

- Requests for Approval of Planning
  These approvals are needed for each large capital project involving new schools, replacement schools, renovations, modernizations and additions for which WCPS intends to seek state funding in the next fiscal year. Approval of planning requests signifies the state's commitment to future construction funding. There are no requests for planning approval of these types of projects in FY 2024 based on recent local funding constraints.

- Requests for Approval of Funding
  These requests are required for any capital project that has received partial funding in a previous year or is projected to begin construction during the fiscal year. These requests are made for both major projects and systemic renovation projects.

- Future Project Requests
  These requests outline future fiscal year capital requests in accordance with the EFMP.

After submission of the CIP to the state, the PSCP staff reviews the requests and prepares recommendations for the Interagency Commission on School Construction (IAC). The IAC reviews, recommends and approves the funding for public school construction projects that will become part of the final statewide CIP. This process usually runs from submission of the request in October until May of the following year.

The project requests are listed in priority order using the following criteria:

1) Projects partially funded and currently under construction.
2) Projects that provide additional capacity when needed.
3) Projects that include the replacement of inadequate building or building systems as necessary to maintain school operations.
4) Projects that allow a facility to better accommodate current instructional programs.
5) Projects that increase the levels of efficiency in the operation of a school facility.

Mirroring the EFMP, The FY 2024 CIP request also identifies a future project to construct a replacement elementary school using approximately $20.8 million in funding provided by the State's Built to Learn Act (BTLA) as well as approximately $7 million in future fiscal year State CIP funding. The proposed project would replace Fountain Rock and Hickory elementary schools with a new 4-round, 76,000 square foot school built on property owned by the Board of Education at the Center for Education Services. This project will only move forward based on the ability of local government to provide approximately $15 million in matching funds. Inclusion of this future project within the FY 2024 CIP signals to the IAC the Board of Education's intent to request and utilize the BTLA funding on this project and that Local Planning Approval will be sought in the FY 2025 CIP.

E. RUSSELL HICKS MIDDLE
PSC NO. 21.038
CHILLER/COOLING TOWER REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.038	**FUNDING PROGRAM:**	**PSCP CIP** X	**BUILT TO LEARN**	
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal		
SCHOOL NAME:	E. Russell Hicks Middle School	**FY:**	2024	**Date Submitted:**	9/20/22
ADDRESS:	1321 S. Potomac Street, Hagerstown, MD 21740	**PRIORITY #:**	1	**Revised Date:**	11/18/22

PROJECT TYPE (Primary System/PS): **Roof:** | **HVAC:** X | **Structural:** | **Other Facility Renewal:** | **Windows/Doors:**
Electrical Upgrade | **COST SHARE %:** **STATE** 79% **LOCAL** 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER **GRADES** 6-8 SRC 841
Asset Tag Number of PS (if applicable) **Year PS Entered Service** 1991/1998

CURRENT FUNDING REQUEST: $1,864,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$1,864,000

1. SITE: Acreage 34.440 | Date IAC Approved N/A | MHT Category # 3 | Date of MHT Review N/A | In PFA X | Water X | Sewer X

2. EXISTING FACILITY:

	Gross SF	Date	RENOVATED Gross SF	RENOVATED Date	DEMOLISHED Gross SF	DEMOLISHED Date	TOTAL Gross SF
ORIGINAL	103,131	1967					103,131
ADDITION							-
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	103,131		-		-		103,131

3. Indicate below the date the building component was last replaced with State Funds:

1999 chillers

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for the chillers/cooling tower system includes performing inspections of the equipment at each school facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. This project will replace two (2) chillers that will be 26 years old and (1) one cooling tower that will be 33 years old at the time of replacement, and well beyond their expected and remaining useful life cycles. In addition, the control systems for the chillers/cooling tower are continuously monitored, updated with inspections occurring frequently. As part of its reactive maintenance program, WCPS has responded to 6 work orders on the chillers and cooling tower in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

This project will replace the two (2) water cooled chillers and one (1) cooling tower at E. Russell Hicks Middle. The 103,131 sf school was originally built in 1967. The majority of the HVAC system (AHU's, RTU's, FCU's were replaced in 2014 and 2019. The current Trane water cooled chillers (125 ton, 215 ton) that supply chill water to the HVAC system were last installed in 1998 and have reached the end of their service lives. The current cooling tower was installed in 1991, and has also reached the end of its service life. The project will replace all associated piping/pumps/controls associated with these units, and appropriate facility enhancements (concrete pads, structural steel modifications), etc. to support the new equipment. As a Category III facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Cross Corridor Frames (2009 ASP),HVAC (2014, 2019 ASP), Electrical (2013), Structural (2014)]***

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for these building component, as they have surpassed their expected and remaining useful service life. As part of the buildings HVAC system, these components and their cooling function are critical to WCPS's educational delivery.

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	841	824	805	800	805	807	803	807	816	25

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	*N/A*

11. BUDGET:		Total Estimated Project Budget	Estimated Local Funds	Estimated Net State Funding
Design	7%	$ 165,000	$ 165,000	$ 0
Construction		$ 2,360,000	$ 496,000	$ 1,864,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 47,000	$ 47,000	$ 0
Construction Cost		**$ 2,572,000**	$ 708,000	**$ 1,864,000**
Contingency	5%	$ 118,000	$ 118,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 2,690,000**	**$ $826,000**	$ **1,864,000**

12 SCHEDULE:							
Date A/E Hired:	7/26/2023	Ed. Specs:	N/A	Estimated Bid:	1/8/2024	Actual Bid Date:	
Schematic Design:	N/A	Design Development:	N/A	Estimated Construction:	6/10/2024	Actual Construction:	
Construction Document:	11/21/2023			Estimated Project Completion:	8/16/2024	Project Completion:	

Revised 7/2021

E. RUSSELL HICKS MIDDLE - SYSTEMIC RENOVATION - CHILLER/COOLING TOWER REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 2,360,000	$ 1,864,400	$ 495,600
New sf	0 x	$ 385				$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 2,360,000	$ 1,864,400	$ 495,600
Renovation								
Age of Structure / Construction Year / sf to be renovated / Cost/sf / % Covered / Cost								
40 & Over	0 x	$ 385		100%	$ -			
31-39	0 x	$ 385		85%	$ -			
26-30	0 x	$ 385		75%	$ -			
21-25	0 x	$ 385		65%	$ -			
16-20	0 x	$ 385		50%	$ -			
0-15	0 x	$ 385		0%	$ -			
	0				$ -	$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 2,360,000	$ 1,864,400	$ 495,600
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 2,360,000	$ 1,864,400	$ 495,600
Other Local Costs								
Construction Costs								
Additional sf	0 x	$ 385	/sf	*n/a*		$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 118,000		$ 118,000
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 47,200		$ 47,200
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			7%			$ 165,200		$ 165,200
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
Local Cost Sub-total						$ 330,400		$ 330,400
Maximum Budget						$ 2,690,400	$ 1,864,400	$ 826,000
Rounding							$ (400)	$ -
NET FINAL BUDGET						$ 2,690,000	$ 1,864,000	$ 826,000

SCOPE OF WORK - E. RUSSELL HICKS MIDDLE - SYSTEMIC RENOVATION - CHILLER/COOLING TOWER REPLACEMENT

General conditions	$	60,000
Remove/Demo existing Chillers/Cooling Tower	$	40,000
New Chiller Plant	$	2,000,000
Piping/Pumps/Structural/Concrete/Facility modifications	$	200,000
Controls	$	60,000
	$	2,360,000

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CLEAR SPRING ELEMENTARY
PSC NO. 21.042
BOILER REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.042	**FUNDING PROGRAM:**	**PSCP CIP** X	**BUILT TO LEARN**	
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal		
SCHOOL NAME:	Clear Spring Elementary	**FY:**	2024	**Date Submitted:**	9/20/22
ADDRESS:	12627 Broadfording Road, Clear Spring, MD 21722	**PRIORITY #:**	2	**Revised Date:**	11/18/22

PROJECT TYPE (Primary System/PS): **Roof:** | **HVAC:** X | **Structural:** | **Other Facility Renewal:** | **Windows/Doors:**
Electrical Upgrade | **COST SHARE %:** **STATE** 79% **LOCAL** 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER **GRADES** PK-5 SRC 386
Asset Tag Number of PS (if applicable) **Year PS Entered Service** 1987

CURRENT FUNDING REQUEST: $569,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$569,000

1. SITE: Acreage 9.000 | Date IAC Approved N/A | MHT Category # 2 | Date of MHT Review N/A | In PFA X | Water X | Sewer X

2. EXISTING FACILITY:

	Gross SF	Date	RENOVATED Gross SF	RENOVATED Date	DEMOLISHED Gross SF	DEMOLISHED Date	TOTAL Gross SF
ORIGINAL	38,257	1954	38,257	2000			38,257
ADDITION	5,136	2000					5,136
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	43,393		38,257		-		43,393

3. Indicate below the date the building component was last replaced with State Funds:

n/a

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for a boiler includes performing annual inspections of the equipment at each school facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. In addition, inspections of each boiler are performed annually or biennially (depending on the type of equipment) by the Maryland Division of Labor and Industry Safety Inspection Unit. This project will replace boilers that will be 37 years old at the time of replacement and well beyond their expected and remaining useful life cycles. As part of its reactive maintenance program, WCPS has responded to 15 work orders on these boilers in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

This project is intended to replace the existing two (2) oil fired boilers and support components at Clear Spring Elementary that serve the 43,393 sf facility. The original 38,257 sf foot facility was built in 1954, was renovated in 2000, and recieved a 5,136 sf addition. This facility is heated by two (2) H.B. Smith oil fired boilers that were installed in 1987. These boilers were not replaced during the renovation/addition project. The project will replace the two (2) existing boilers with high efficiency boilers to offer better redundancy, system diversity, and efficiency in heating the facility. The new boilers are to be coordinated and controlled in combination. As part of this project, the removal of some asbestos material on the existing heating water system, and boilers are to be removed in accordance with all Maryland Department of the Environment (MDE) and Environmental Protection Agency (EPA) regulations/guidelines. Associated water piping/pumps/automatic temperature controls/breaching within the boiler room, are also to be replaced as part of the project. As a Category II facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Security Vestibule (2014 SI), Roof (2018)]***

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to provide heat to this facility during winter months is critical to WCPS's educational delivery and protection of the facility from additional damage (frozen pipes/etc.).

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Boiler, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	386	367	370	379	376	380	385	378	372	14

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	*N/A*

11. BUDGET:		**Total Estimated Project Budget**	**Estimated Local Funds**	**Estimated Net State Funding**
Design	7%	$ 50,000	$ 50,000	$ 0
Construction		$ 720,000	$ 151,000	$ 569,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 15,000	$ 15,000	$ 0
Construction Cost		**$ 785,000**	$ 216,000	**$ 569,000**
Contingency	5%	$ 36,000	$ 36,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 821,000**	**$ $252,000**	$ **569,000**

12 SCHEDULE:							
Date A/E Hired:	**7/26/2023**	Ed. Specs:	**N/A**	Estimated Bid:	**1/8/2024**	Actual Bid Date:	
Schematic Design:	**N/A**	Design Development:	**N/A**	Estimated Construction:	**6/10/2024**	Actual Construction:	
Construction Document:	**11/21/2023**			Estimated Project Completion:	**8/16/2024**	Project Completion:	

Revised 7/2021

CLEAR SPRING ELEMENTARY - SYSTEMIC RENOVATION - BOILER REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 720,000	$ 568,800	$ 151,200
New sf	0 x	$ 385				$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 720,000	$ 568,800	$ 151,200
Renovation								
Age of Structure / Construction Year / sf to be renovated		Cost/sf	% Covered	Cost				
40 & Over	0 x	$ 385	100%	$ -				
31-39	0 x	$ 385	85%	$ -				
26-30	0 x	$ 385	75%	$ -				
21-25	0 x	$ 385	65%	$ -				
16-20	0 x	$ 385	50%	$ -				
0-15	0 x	$ 385	0%	$ -				
	0			$ -		$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 720,000	$ 568,800	$ 151,200
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 720,000	$ 568,800	$ 151,200
Other Local Costs								
Construction Costs								
Additional sf	0 x	$ 385	/sf	*n/a*		$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 36,000		$ 36,000
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 14,400		$ 14,400
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			7%			$ 50,400		$ 50,400
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
				Local Cost Sub-total		$ 100,800		$ 100,800
Maximum Budget						$ 820,800	$ 568,800	$ 252,000
Rounding							$ 200	$ -
NET FINAL BUDGET						$ 821,000	$ 569,000	$ 252,000

SCOPE OF WORK - CLEAR SPRING ELEMENTARY - SYSTEMIC RENOVATION - BOILER REPLACEMENT

General conditions	$	22,000	
Removal of old boilers including asbestos	$	33,000	
HW circulation loop/controls/new HW pumps/pads	$	132,000	
Purchase/Installation of high efficiency boiler systems	$	500,000	
Boiler start up	$	6,000	
Checkout of equipment	$	17,000	
Location of facility	$	10,000	
	$	720,000	Total Estimated Cost

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PLEASANT VALLEY ELEMENTARY
PSC NO. 21.022
HVAC REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.022	**FUNDING PROGRAM:**	**PSCP CIP** X	**BUILT TO LEARN**	
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal		
SCHOOL NAME:	Pleasant Valley Elementary	**FY:**	2024	**Date Submitted:**	9/20/22
ADDRESS:	1707 Rohrsville Road, Knoxville, MD 21758	**PRIORITY #:**	3	**Revised Date:**	11/18/22

PROJECT TYPE (Primary System/PS): **Roof:** | **HVAC:** X | **Structural:** | **Other Facility Renewal:** | **Windows/Doors:**
Electrical Upgrade | **COST SHARE %:** **STATE** 79% **LOCAL** 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER **GRADES** PK-5 SRC 225
Asset Tag Number of PS (if applicable) **Year PS Entered Service** 1990

CURRENT FUNDING REQUEST: $2,173,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$2,173,000

1. SITE: Acreage 11.700 | Date IAC Approved N/A | MHT Category # 2 | Date of MHT Review N/A | In PFA | Water X | Sewer X

2. EXISTING FACILITY:

	Gross SF	Date	RENOVATED Gross SF	RENOVATED Date	DEMOLISHED Gross SF	DEMOLISHED Date	TOTAL Gross SF
ORIGINAL	19,793	1960	19,793	1991			**19,793**
ADDITION	8,757	1990					**8,757**
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	28,550		19,793		-		**28,550**

3. Indicate below the date the building component was last replaced with State Funds:
1990

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for an HVAC system includes performing inspections of the equipment at each school facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. In addition, control systems are continuously monitored, updated with inspections occurring frequently. This project will replace an HVAC system that will be 34 years old at the time of replacement and well beyond its expected and remaining useful life cycles. As part of its reactive maintenance program, WCPS has responded to 26 work orders on the HVAC and Controls equipment in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

This project will replace the HVAC system at Pleasant Valley Elementary. The 28,550 sf school was originally built in 1960, with a full renovation and addition in 1990. The current HVAC system is comprised of one (1) Air Handler Unit (AHU), 25 cabinet unit ventilator units (CUV's) and 15 fan coil units (FCU's) that were all installed in 1990. The main focus of this project to replace the aging HVAC system, as it has become unreliable and spare parts are no longer manufactured and are difficult to find. The project will necessitate roof and structural modifications to remove the existing equipment, and install new equipment. Other components of the HVAC system will be reviewed and replaced as deemed necessary. This project will ensure that all areas of the school will receive cooling. In all cases, the new systems will be designed to improve maintenance access. The new systems are to meet all code requirements and increase energy efficiency. A new direct digital control (DDC) temperature control system will be installed as part of this project. As a Category II facility, this project received a streamlined review from the Maryland Historic Trust on 8/24/21 for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Boilers (2012), Emergency Generator (2018 ASP)]***

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component, as it has surpassed its expected and remaining useful service life. The HVAC system supplying a tempered space to this facility is critical to WCPS's educational delivery.

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	225	212	227	221	234	234	232	231	231	-6

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	*N/A*

11. BUDGET:		Total Estimated Project Budget	Estimated Local Funds	Estimated Net State Funding
Design	7%	$ 193,000	$ 193,000	$ 0
Construction		$ 2,750,000	$ 577,000	$ 2,173,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 55,000	$ 55,000	$ 0
Construction Cost		**$ 2,998,000**	$ 825,000	**$ 2,173,000**
Contingency	5%	$ 138,000	$ 138,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 3,136,000**	**$ $963,000**	$ **2,173,000**

12 SCHEDULE:			
Date A/E Hired: **7/26/2023**	Ed. Specs: **N/A**	Estimated Bid: **1/8/2024**	Actual Bid Date:
Schematic Design: **N/A**	Design Development: **N/A**	Estimated Construction: **6/10/2024**	Actual Construction:
Construction Document: **11/21/2023**		Estimated Project Completion: **8/16/2024**	Project Completion:

Revised 7/2021

PLEASANT VALLEY ELEMENTARY - SYSTEMIC RENOVATION - HVAC REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 2,750,000	$ 2,172,500	$ 577,500
New sf	0 x	$ 385				$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 2,750,000	$ 2,172,500	$ 577,500
Renovation								
Age of Structure / Construction Year / sf to be renovated / Cost/sf / % Covered / Cost								
40 & Over	0 x	$ 385		100%	$ -			
31-39	0 x	$ 385		85%	$ -			
26-30	0 x	$ 385		75%	$ -			
21-25	0 x	$ 385		65%	$ -			
16-20	0 x	$ 385		50%	$ -			
0-15	0 x	$ 385		0%	$ -			
	0				$ -	$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 2,750,000	$ 2,172,500	$ 577,500
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 2,750,000	$ 2,172,500	$ 577,500
Other Local Costs								
Construction Costs								
Additional sf	0 x	$ 385	/sf	*n/a*		$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 137,500		$ 137,500
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 55,000		$ 55,000
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			7%			$ 192,500		$ 192,500
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
Local Cost Sub-total						$ 385,000		$ 385,000
Maximum Budget						$ 3,135,000	$ 2,172,500	$ 962,500
Rounding							$ 500	$ 500
NET FINAL BUDGET						$ 3,136,000	$ 2,173,000	$ 963,000

SCOPE OF WORK - PLEASANT VALLEY ELEMENTARY - SYSTEMIC RENOVATION - HVAC REPLACEMENT

General conditions	$	50,000
Hazardous material abatement	$	20,000
Removal of old HVAC equipment (AHU, CUV's, FCU's, etc.)	$	60,000
Architectural and structural modifications	$	120,000
Electrical work, including ATC	$	500,000
Labor and material for installation of new HVAC system	$	2,000,000
	$	2,750,000

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EASTERN ELEMENTARY
PSC NO. 21.045
BOILER/CHILLER REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.045	**FUNDING PROGRAM:**	**PSCP CIP** X	**BUILT TO LEARN**	
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal		
SCHOOL NAME:	Eastern Elementary	**FY:**	2024	**Date Submitted:**	9/20/22
ADDRESS:	1320 Yale Drive, Hagerstown, MD 21741	**PRIORITY #:**	4	**Revised Date:**	11/18/22

PROJECT TYPE (Primary System/PS): **Roof:** | **HVAC:** X | **Structural:** | **Other Facility Renewal:** | **Windows/Doors:**
Electrical Upgrade | **COST SHARE %:** **STATE** 79% **LOCAL** 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER **GRADES** 3-5 SRC 572
Asset Tag Number of PS (if applicable) **Year PS Entered Service** 1992

CURRENT FUNDING REQUEST: **$1,115,000**
TOTAL PRIOR STATE FUNDS: **$0**

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$1,115,000

1. SITE: Acreage 20.390 | Date IAC Approved N/A | MHT Category # 3 | Date of MHT Review N/A | In PFA X | Water X | Sewer X

2. EXISTING FACILITY:

	Gross SF	Date	RENOVATED Gross SF	RENOVATED Date	DEMOLISHED Gross SF	DEMOLISHED Date	TOTAL Gross SF
ORIGINAL	58,280	1992					58,280
ADDITION							-
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	58,280		-		-		58,280

3. Indicate below the date the building component was last replaced with State Funds:

1992

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for a boiler includes performing annual inspections of the equipment at each school facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. In addition, inspections of each boiler are performed annually or biennially (depending on the type of equipment) by the Maryland Division of Labor and Industry Safety Inspection Unit. This project will replace boilers and a chiller that will all be 32 years old at the time of replacement and well beyond their expected and remaining useful life cycles. As part of its reactive maintenance program, WCPS has responded to 11 work orders on these boilers/chiller in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

This project is intended to replace the existing two (2) gas fired boilers and one (1) air cooled chiller and support components at Eastern Elementary that serve the 58,280 sf facility that was built in 1992. This facility is heated by two (2) H.B. Smith 1.8 MBTU gas fired boilers that are original to the school. The project will replace the two (2) existing boilers with high efficiency boilers to offer better redundancy, system diversity, and efficiency in heating the facility. The new boilers are to be coordinated and controlled in combination. The project will also replace the existing air cooled chiller. Associated water piping/pumps/automatic temperature controls/breaching, structural modifications, etc. within the boiler room, are also to be replaced as part of the project. As a Category III facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Security Initiative (2014 SI)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to provide heat to this facility during winter months is critical to WCPS's educational delivery and protection of the facility from additional damage (frozen pipes/etc.).

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Boiler/Chiller, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	572	433	459	455	468	484	487	499	513	59

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	*N/A*

11. BUDGET:

		Total Estimated Project Budget	Estimated Local Funds	Estimated Net State Funding
Design	7%	$ 99,000	$ 99,000	$ 0
Construction		$ 1,411,000	$ 296,000	$ 1,115,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 28,000	$ 28,000	$ 0
Construction Cost		**$ 1,538,000**	$ 423,000	**$ 1,115,000**
Contingency	5%	$ 71,000	$ 71,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 1,609,000**	**$ $494,000**	$ **1,115,000**

12 SCHEDULE:

Date A/E Hired: **7/26/2023**	Ed. Specs: **N/A**	Estimated Bid: **1/8/2024**	Actual Bid Date:
Schematic Design: **N/A**	Design Development: **N/A**	Estimated Construction: **6/10/2024**	Actual Construction:
Construction Document: **11/21/2023**		Estimated Project Completion: **8/16/2024**	Project Completion:

Revised 7/2021

EASTERN ELEMENTARY - SYSTEMIC RENOVATION - BOILER/CHILLER REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation				Total Construction Cost	79% State Share	Local Share
New/Addition		Cost/sf				
Estimate of Work			See attached Scope of Work	$ 1,411,000	$ 1,114,690	$ 296,310
New sf	0 x	$ 385		$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385		$ -	$ -	$ -
Site Development		19%		$ -	$ -	$ -
				$ 1,411,000	$ 1,114,690	$ 296,310
Renovation						
40 & Over	0 x	$ 385	100%	$ -		
31-39	0 x	$ 385	85%	$ -		
26-30	0 x	$ 385	75%	$ -		
21-25	0 x	$ 385	65%	$ -		
16-20	0 x	$ 385	50%	$ -		
0-15	0 x	$ 385	0%	$ -		
	0			$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385		$ -	$ -	$ -
Site Development		5%		$ -	$ -	$ -
				$ -	$ -	$ -
Contingency		0.0%		$ -	$ -	$ -
Maximum State Construction Cost				$ 1,411,000	$ 1,114,690	$ 296,310
Less Prior State Funding					$ -	
					$ -	
Net State Construction Cost				$ 1,411,000	$ 1,114,690	$ 296,310
Other Local Costs						
Construction Costs						
Additional sf	0 x	$ 385	/sf *n/a*	$ -		$ -
Site Development		12%		$ -		$ -
Contingency		5.0%	*No longer supported through State funding*	$ 70,550		$ 70,550
Utilities		1.5%				$ -
Water/Sewer Connection Fees			n/a	$ -		$ -
Inspection & Testing		2.0%		$ 28,220		$ 28,220
						$ -
Furniture & Equipment		0%	n/a	$ -		$ -
						$ -
Professional Service						$ -
Architect/Engineer		7%		$ 98,770		$ 98,770
						$ -
Other Project Specific Costs						$ -
none				$ -		$ -
				$ -		$ -
				$ -		$ -
			Local Cost Sub-total	$ 197,540		$ 197,540
Maximum Budget				$ 1,608,540	$ 1,114,690	$ 493,850
Rounding					$ 310	$ 150
NET FINAL BUDGET				$ 1,609,000	$ 1,115,000	$ 494,000

SCOPE OF WORK - EASTERN ELEMENTARY - SYSTEMIC RENOVATION - BOILER/CHILLER REPLACEMENT

General conditions	$	22,000	
Removal of old boilers/Chiller	$	30,000	
Chiller installation/Chiller cost	$	500,000	
CW Circulation loop/Controls/etc.	$	132,000	
HW circulation loop/controls/new HW pumps/pads	$	132,000	
Purchase/Installation of new high efficiency boiler systems	$	550,000	
Boiler/chiller start up	$	10,000	
Structural modifications	$	25,000	
Location of facility	$	10,000	
	$	1,411,000	Total Estimated Cost

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SPRINGFIELD MIDDLE
PSC NO. 21.009
ELECTRICAL DISTRIBUTION REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.009	**FUNDING PROGRAM: PSCP CIP**	X **BUILT TO LEARN**
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal
SCHOOL NAME:	Springfield Middle	**FY:**	2024 **Date Submitted:** 9/20/22
ADDRESS:	334 East Sunset Avenue, Williamsport MD 21795	**PRIORITY #:**	5 **Revised Date:** 11/18/22

PROJECT TYPE (Primary System/PS): **Roof:** **HVAC:** **Structural:** **Other Facility Renewal:** **Windows/Doors:**
Electrical Upgrade X **COST SHARE %: STATE** 79% **LOCAL** 21%

COOPERATIVE USE	
HIGH PERFORMANCE	
SCHOOL NUMBER	
Asset Tag Number of PS (if applicable)	
CURRENT FUNDING REQUEST:	$747,000
TOTAL PRIOR STATE FUNDS:	$0

GRADES 6-8 SRC 1096
Year PS Entered Service 1977

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$747,000

1. SITE: Acreage 40.000 Date IAC Approved N/A MHT Category # 3 Date of MHT Review N/A In PFA X Water X Sewer X

2. EXISTING FACILITY:

	Gross SF	Date	RENOVATED Gross SF	RENOVATED Date	DEMOLISHED Gross SF	DEMOLISHED Date	TOTAL Gross SF
ORIGINAL	134,755	1977					134,755
ADDITION							-
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	134,755		-		-		134,755

3. Indicate below the date the building component was last replaced with State Funds:
1977

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for an electrical distribution system includes performing annual inspections at every facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. This project will replace distribution panels that will be 47 years old at the time of replacement and well beyond their expected and remaining useful life cycles. These Main Distribution Panels, sub panels, and switchgear assemblies are obsolete and new replacement parts are no longer readily available which could result in a single point of failure for the school's electrical system without the ability to repair. As part of its reactive maintenance program, WCPS has responded to 35 work orders on these Electrical system/Generator in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

The project will replace the main electrical distribution system and other various electrical components that are original to this facility which was built in 1977. Due to the age of the electrical equipment, replacement parts are no longer manufactured, and in the event of a failure, could cause this facility to remain closed until replacement parts could be procured or custom made. The final product will provide new main distribution panels, distribution panels, transformers, and branch circuit panels. The system will be brought up to current standards to meet all code requirements. As a Category III facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Windows Glazing Doors (2014), Gym floor (2012), Flooring (2007))]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to distribute electricity throughout this facility is critical to WCPS's educational delivery and protection of the facility from additional damage (security/frozen pipes/etc.).

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Electrical Distribution System, additional service requirements (equipment, technology, etc.) over the years, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	**1,096**	**748**	**736**	**772**	**765**	**785**	**802**	**808**	**813**	283

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	***See attached letter from the Washington County Office of Emergency Management received by WCPS on 8/15/22 that indicates this facility is not suitable for use as a public shelter during or after a federal, state, or local declared emergency.***

11. BUDGET:		**Total Estimated Project Budget**	**Estimated Local Funds**	**Estimated Net State Funding**
Design	7%	$ 66,000	$ 66,000	$ 0
Construction		$ 945,000	$ 198,000	$ 747,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 19,000	$ 19,000	$ 0
Construction Cost		**$ 1,030,000**	$ 283,000	$ **747,000**
Contingency	5%	$ 48,000	$ 48,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 1,078,000**	**$ $331,000**	$ **747,000**

12 SCHEDULE:

Date A/E Hired: **7/26/2023**	Ed. Specs: **N/A**	Estimated Bid: **1/8/2024**	Actual Bid Date:
Schematic Design: **N/A**	Design Development: **N/A**	Estimated Construction: **6/10/2024**	Actual Construction:
Construction Document: **11/21/2023**		Estimated Project Completion: **8/16/2024**	Project Completion:

Revised 7/2021

SPRINGFIELD MIDDLE - SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 945,000	$ 746,550	$ 198,450
New sf	0 x	$ 385				$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 945,000	$ 746,550	$ 198,450
Renovation								
40 & Over	0 x	$ 385		100%	$ -			
31-39	0 x	$ 385		85%	$ -			
26-30	0 x	$ 385		75%	$ -			
21-25	0 x	$ 385		65%	$ -			
16-20	0 x	$ 385		50%	$ -			
0-15	0 x	$ 385		0%	$ -			
	0				$ -	$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 945,000	$ 746,550	$ 198,450
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 945,000	$ 746,550	$ 198,450
Other Local Costs								
Construction Costs								
Additional sf	0 x	$ 385	/sf	*n/a*		$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 47,250		$ 47,250
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 18,900		$ 18,900
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			7%			$ 66,150		$ 66,150
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
Local Cost Sub-total						$ 132,300		$ 132,300
Maximum Budget						$ 1,077,300	$ 746,550	$ 330,750
Rounding							$ 450	$ 250
NET FINAL BUDGET						$ 1,078,000	$ 747,000	$ 331,000

SCOPE OF WORK - SPRINGFIELD MIDDLE - SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT

General conditions	$	40,000
Replacing switchgears, main distribution panels, low voltage distribution panels, transformers, and branch distribution panels	$	850,000
Miscellaneous (ceiling repairs/access/etc.)	$	55,000
	$	945,000

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HANCOCK MIDDLE/HIGH
PSC NO. 21.025
ELECTRICAL DISTRIBUTION REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.025	**FUNDING PROGRAM: PSCP CIP**	X **BUILT TO LEARN**
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal
SCHOOL NAME:	Hancock Middle/High	**FY:**	2024 **Date Submitted:** 9/20/22
ADDRESS:	289 W. Main Street, Hancock, MD 21750	**PRIORITY #:**	6 **Revised Date:** 11/18/22

PROJECT TYPE (Primary System/PS): **Roof:** **HVAC:** **Structural:** **Other Facility Renewal:** **Windows/Doors:**
Electrical Upgrade X **COST SHARE %: STATE** 79% **LOCAL** 21%

COOPERATIVE USE	
HIGH PERFORMANCE	
SCHOOL NUMBER	
Asset Tag Number of PS (if applicable)	
CURRENT FUNDING REQUEST:	$1,335,000
TOTAL PRIOR STATE FUNDS:	$0

GRADES 6-12 SRC 591
Year PS Entered Service 1956/1968

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$1,335,000

1. SITE: Acreage 51.070 Date IAC Approved N/A MHT Category # 2 Date of MHT Review N/A In PFA X Water X Sewer X

2. EXISTING FACILITY:

			RENOVATED		DEMOLISHED		TOTAL
	Gross SF	Date	Gross SF	Date	Gross SF	Date	Gross SF
ORIGINAL	50,718	1956	6,815	1994			**50,718**
ADDITION	41,141	1968					**41,141**
ADDITION	4,950	2000					**4,950**
ADDITION							-
ADDITION							-
TOTAL	96,809		6,815		-		**96,809**

3. Indicate below the date the building component was last replaced with State Funds:

1956/1968/2007 (feeder panel)

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for an electrical distribution system includes performing annual inspections at every facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. This project will replace distribution panels that will be 54 and 68 years old at the time of replacement and well beyond their expected and remaining useful life cycles. These main distribution panels, sub panels, and switchgear assemblies are obsolete and new replacement parts are no longer readily available which could result in a single point of failure for the school's electrical system without the ability to repair. As part of its reactive maintenance program, WCPS has responded to 20 work orders on the Electrical system in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

The project will install a new emergency generator, and replace the main electrical distribution system and other various electrical components that are original to this facility which was built in 1956/1968. A new feeder panel was installed in 2007 and most likely will not be impacted as part of this project. . Due to the age of the electrical equipment, replacement parts are no longer made, and in the event of a failure, could cause this facility to remain closed until replacement parts could be procured or custom made. The final product will provide new main distribution panels, low voltage distribution panels, transformers, and branch circuit panels. The system will be brought up to current standards to meet all code requirements. A new emergency generator will be installed at this facility and will meet all requirements set forth by the Local Emergency Management agency. As a Category II facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Water Fixture (HSFF 2021), HVAC (2017), Door/Window (2013), Roof (2010), Chiller (2007), Electrical Service Upgrade (2007), Auditorium Seating (2007), Window and Doors (2014)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to distribute electricity throughout this facility is critical to WCPS's educational delivery and protection of the facility from additional damage (security/frozen pipes/etc.).

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Electrical Distribution System, additional service requirements (equipment, technology, etc.) over the years, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	**591**	**219**	**235**	**223**	**231**	**204**	**196**	**190**	**182**	409

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	***See attached letter from the Washington County Office of Emergency Management received by WCPS on 8/15/22. WCPS will comply with the requirements of the letter to make this facility suitable for use as a public shelter during or after a federal, state, or local declared emergency.***

11. BUDGET:		**Total Estimated Project Budget**	**Estimated Local Funds**	**Estimated Net State Funding**
Design	7%	$ 118,000	$ 118,000	$ 0
Construction		$ 1,690,000	$ 355,000	$ 1,335,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 34,000	$ 34,000	$ 0
Construction Cost		**$ 1,842,000**	$ 507,000	$ **1,335,000**
Contingency	5%	$ 85,000	$ 85,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 1,927,000**	**$ $592,000**	$ **1,335,000**

12 SCHEDULE:							
Date A/E Hired:	**7/26/2023**	Ed. Specs:	**N/A**	Estimated Bid:	**1/8/2024**	Actual Bid Date:	
Schematic Design:	**N/A**	Design Development:	**N/A**	Estimated Construction:	**6/10/2024**	Actual Construction:	
Construction Document:	**10/30/2023**			Estimated Project Completion:	**8/16/2024**	Project Completion:	

Revised 7/2021

HANCOCK MIDDLE/HIGH - SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation							Total Construction Cost	79% State Share	Local Share
New/Addition				Cost/sf					
Estimate of Work						See attached Scope of Work	$ 1,690,000	$ 1,335,100	$ 354,900
New sf	0	x	$	385			$ -	$ -	$ -
Cooperative Arrangement	0	x	$	385			$ -	$ -	$ -
Site Development				19%			$ -	$ -	$ -
							$ 1,690,000	$ 1,335,100	$ 354,900
Renovation									
40 & Over		0	x	$	385	100%	$ -		
31-39		0	x	$	385	85%	$ -		
26-30		0	x	$	385	75%	$ -		
21-25		0	x	$	385	65%	$ -		
16-20		0	x	$	385	50%	$ -		
0-15		0	x	$	385	0%	$ -		
		0					$ -	$ -	$ -
Cooperative Arrangement		0	x	$	385			$ -	$ -
Site Development					5%			$ -	$ -
							$ -	$ -	$ -
Contingency					0.0%		$ -	$ -	$ -
Maximum State Construction Cost							$ 1,690,000	$ 1,335,100	$ 354,900
Less Prior State Funding								$ -	
								$ -	
Net State Construction Cost							$ 1,690,000	$ 1,335,100	$ 354,900
Other Local Costs									
Construction Costs									
Additional sf		0	x	$	385	/sf	*n/a*	$ -	$ -
Site Development					12%			$ -	$ -
Contingency					5.0%	*No longer supported through State funding*		$ 84,500	$ 84,500
Utilities					1.5%				$ -
Water/Sewer Connection Fees						n/a		$ -	$ -
Inspection & Testing					2.0%			$ 33,800	$ 33,800
									$ -
Furniture & Equipment					0%	n/a		$ -	$ -
									$ -
Professional Service									$ -
Architect/Engineer					7%			$ 118,300	$ 118,300
									$ -
Other Project Specific Costs									$ -
none								$ -	$ -
								$ -	$ -
								$ -	$ -
Local Cost Sub-total							$ 236,600		$ 236,600
Maximum Budget							$ 1,926,600	$ 1,335,100	$ 591,500
Rounding								$ (100)	$ 500
NET FINAL BUDGET							$ 1,927,000	$ 1,335,000	$ 592,000

SCOPE OF WORK - HANCOCK MIDDLE/HIGH - SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT

General conditions	$	50,000
Replacing switchgears, main distribution panels, low voltage distribution panels, transformers, and branch distribution panels	$	600,000
Emergency Generator	$	600,000
Miscellaneous (ceiling repairs/access/etc.)	$	90,000
Work to in mechanical space (basement) , location for generator/etc.	$	250,000
Remote location upcharge	$	100,000
	$	1,690,000

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SMITHSBURG MIDDLE
PSC NO. 21.008
ELECTRICAL DISTRIBUTION REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.008	**FUNDING PROGRAM: PSCP CIP**	X **BUILT TO LEARN**
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal
SCHOOL NAME:	Smithsburg Middle	**FY:**	2024 **Date Submitted:** 9/20/22
ADDRESS:	66 N. Main Street, Smithsburg, MD 21783	**PRIORITY #:**	7 **Revised Date:** 11/18/22

PROJECT TYPE (Primary System/PS): **Roof:** **HVAC:** **Structural:** **Other Facility Renewal:** **Windows/Doors:**
Electrical Upgrade X **COST SHARE %: STATE** 79% **LOCAL** 21%

COOPERATIVE USE	
HIGH PERFORMANCE	
SCHOOL NUMBER	
Asset Tag Number of PS (if applicable)	

GRADES 6-8 SRC 839
Year PS Entered Service 1976

CURRENT FUNDING REQUEST:	$988,000
TOTAL PRIOR STATE FUNDS:	$0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$988,000

1. SITE: Acreage 30.000 Date IAC Approved N/A MHT Category # 3 Date of MHT Review N/A In PFA X Water X Sewer X

2. EXISTING FACILITY:

			RENOVATED		DEMOLISHED		TOTAL
	Gross SF	Date	Gross SF	Date	Gross SF	Date	Gross SF
ORIGINAL	108,975	1976					**108,975**
ADDITION							-
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	108,975		-		-		**108,975**

3. Indicate below the date the building component was last replaced with State Funds:
1976

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for an electrical distribution system includes performing annual inspections at every facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. This project will replace the emergency generator and distribution panels that will be 48 years old at the time of replacement and well beyond their expected and remaining useful life cycles. The generator, and the main distribution panels, sub panels, and switchgear assemblies are obsolete and new replacement parts are no longer readily available which could result in a single point of failure for the school's electrical system without the ability to repair. As part of its reactive maintenance program, WCPS has responded to 37 work orders on the electrical system in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

The project will replace the emergency generator, main electrical distribution system and other various electrical components that are original to this facility which was built in 1976. Due to the age of the electrical equipment, replacement parts are no longer made, and in the event of a failure, could cause this facility to remain closed until replacement parts could be procured or custom made. The final product will provide a new emergency generator and new main distribution panels, distribution panels, transformers, and branch circuit panels. The system will be brought up to current standards to meet all code requirements. A new emergency generator will be installed as part of this project. The emergency generator will be sized to include the fire alarm system, and other components. As a Category III facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Fire Alarm (ASP 2021), HVAC (2007)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to distribute electricity throughout this facility is critical to WCPS's educational delivery and protection of the facility from additional damage (security/frozen pipes/etc.).

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Electrical Distribution System, additional service requirements (equipment, technology, etc.) over the years, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	**839**	**534**	**522**	**544**	**539**	**541**	**540**	**541**	**544**	295

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	***See attached letter from the Washington County Office of Emergency Management received by WCPS on 8/15/22 that indicates this facility is not suitable for use as a public shelter during or after a federal, state, or local declared emergency.***

11. BUDGET:		**Total Estimated Project Budget**	**Estimated Local Funds**	**Estimated Net State Funding**
Design	7%	$ 88,000	$ 88,000	$ 0
Construction		$ 1,250,000	$ 262,000	$ 988,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 25,000	$ 25,000	$ 0
Construction Cost		**$ 1,363,000**	$ 375,000	$ **988,000**
Contingency	5%	$ 63,000	$ 63,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 1,426,000**	**$ $438,000**	$ **988,000**

12 SCHEDULE:							
Date A/E Hired:	**7/26/2023**	Ed. Specs:	**N/A**	Estimated Bid:	**1/8/2024**	Actual Bid Date:	
Schematic Design:	**N/A**	Design Development:	**N/A**	Estimated Construction:	**6/10/2024**	Actual Construction:	
Construction Document:	**10/30/2023**			Estimated Project Completion:	**8/16/2024**	Project Completion:	

Revised 7/2021

SMITHSBURG MIDDLE- SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 1,250,000	$ 987,500	$ 262,500
New sf	0 x	$ 385				$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 1,250,000	$ 987,500	$ 262,500
Renovation								
40 & Over		0 x	$ 385	100%	$ -			
31-39		0 x	$ 385	85%	$ -			
26-30		0 x	$ 385	75%	$ -			
21-25		0 x	$ 385	65%	$ -			
16-20		0 x	$ 385	50%	$ -			
0-15		0 x	$ 385	0%	$ -			
		0			$ -	$ -	$ -	$ -
Cooperative Arrangement		0 x	$ 385			$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 1,250,000	$ 987,500	$ 262,500
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 1,250,000	$ 987,500	$ 262,500
Other Local Costs								
Construction Costs								
Additional sf	0 x	$ 385	/sf	*n/a*		$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 62,500		$ 62,500
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 25,000		$ 25,000
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			7%			$ 87,500		$ 87,500
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
Local Cost Sub-total						$ 175,000		$ 175,000
Maximum Budget						$ 1,425,000	$ 987,500	$ 437,500
Rounding							$ 500	$ 500
NET FINAL BUDGET						$ 1,426,000	$ 988,000	$ 438,000

SCOPE OF WORK - SMITHSBURG MIDDLE - SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT

General conditions	$	40,000
Replacing switchgears, main distribution panels, low voltage distribution panels, transformers, and branch distribution panels	$	700,000
Emergency Generator	$	410,000
Miscellaneous (ceiling repairs/access/etc.)	$	65,000
Location of work	$	35,000
	$	1,250,000

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NORTH HAGERSTOWN HIGH
PSC NO. 21.024
ROOF REPLACEMENT

IAC Interagency Commission on School Construction

PSC No.:	21.024	**FUNDING PROGRAM: PSCP CIP**	X **BUILT TO LEARN**
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal
SCHOOL NAME:	North Hagerstown High	**FY:**	2024 **Date Submitted:** 9/20/22
ADDRESS:	1200 Pennsylvania Avenue, Hagerstown, MD 21740	**PRIORITY #:**	8 **Revised Date:** 2/21/23

PROJECT TYPE (Primary System/PS): **Roof:** X **HVAC:** **Structural:** **Other Facility Renewal:** **Windows/Doors:**
Electrical Upgrade **COST SHARE %:** **STATE** 79% **LOCAL** 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER **GRADES** 9-12 SRC 1423
Asset Tag Number of PS (if applicable) **Year PS Entered Service** 1992

CURRENT FUNDING REQUEST: $3,711,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS										TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$3,711,000

1. SITE: Acreage 68.760 Date IAC Approved N/A MHT Category # 2 Date of MHT Review N/A In PFA X Water X Sewer X

2. EXISTING FACILITY:

			RENOVATED		DEMOLISHED		TOTAL
	Gross SF	Date	Gross SF	Date	Gross SF	Date	Gross SF
ORIGINAL	62,806	1956	62,806	1992			**62,806**
ADDITION	105,944	1992					**105,944**
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	168,750		62,806		-		**168,750**

3. Indicate below the date the building component was last replaced with State Funds:

1992

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for a roof includes performing an annual roof inspection on every facility roof, and updating facility assessment conditions in the annual Educational Facilities Master Plan. This project will replace a roof that will be 32 years old a the time of replacement and well beyond its expected and remaining useful life cycles. As part of its reactive maintenance program, WCPS has responded to 25 work orders on this particular roof in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

This project will replace the existing roofing system at North Hagerstown High School. The 168,750 sf school was originally built in 1956, renovated and received an addition in 1992. The current 128,750 sf multi-ply roof system was installed in 1992, and has reached the end of its service life. The current roof assembly is low slope and prone to ponding issues. A review of the current conditions of the roof indicate that the 1/4" per foot slope requirement should be able to be met on the low slope areas, but may require additional roof drains, possible envelope modifications, and roof ladder/OSHA updates. The estimated cost per square foot of demolition and replacement with single ply (TPO) roof systems is $35/sf based on the complexity of the flashing system, recent roofing replacement costs, discussions with industry roofing experts ,and required tapered insulation to meet slope requirements. As a Category II facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Bleacher Replacement (QZAB 2014), HVAC - Chillers (2021)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. As part of the building envelope, its function is critical to WCPS's educational delivery.

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age/material of the roof, and normal wear and tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	**1,423**	**1,438**	**1,436**	**1,448**	**1,425**	**1,436**	**1,452**	**1,473**	**1,489**	-66

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	***N/A***

11. BUDGET:		**Total Estimated Project Budget**	**Estimated Local Funds**	**Estimated Net State Funding**
Design	7%	$ 235,000	$ 235,000	$ 0
Construction		$ 4,697,000	$ 986,000	$ 3,711,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 94,000	$ 94,000	$ 0
Construction Cost		**$ 5,026,000**	$ 1,315,000	**$ 3,711,000**
Contingency	5%	$ 235,000	$ 235,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 5,261,000**	**$ $1,550,000**	**$ 3,711,000**

12 SCHEDULE:							
Date A/E Hired:	**7/26/2023**	Ed. Specs:	**N/A**	Estimated Bid:	**1/8/2024**	Actual Bid Date:	
Schematic Design:	**N/A**	Design Development:	**N/A**	Estimated Construction:	**6/10/2024**	Actual Construction:	
Construction Document:	**10/30/2023**			Estimated Project Completion:	**8/16/2024**	Project Completion:	

Revised 7/2021

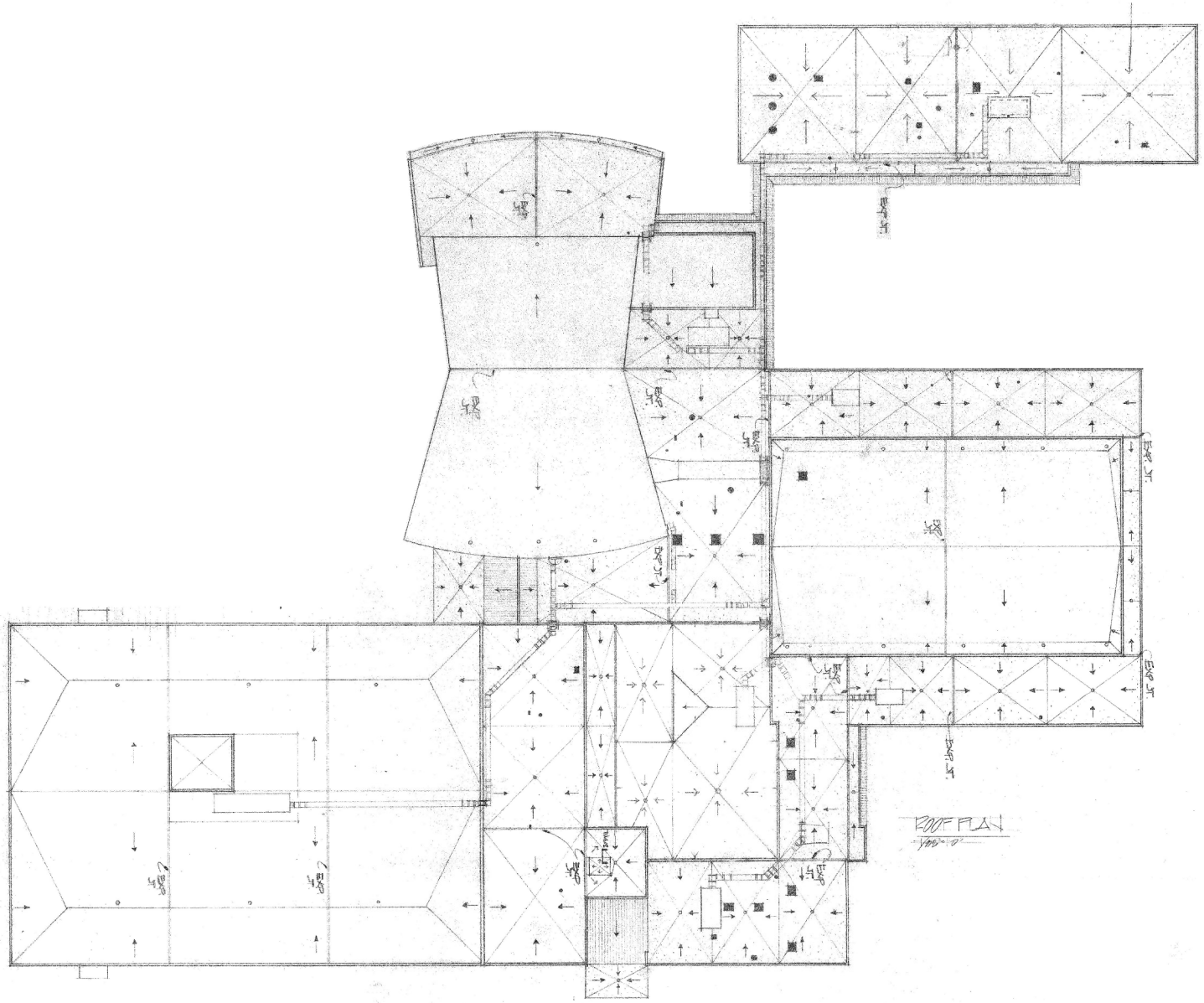
NORTH HAGERSTOWN HIGH - SYSTEMIC RENOVATION - ROOF REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 4,697,000	$ 3,710,630	$ 986,370
New sf	0	x	$ 385			$ -	$ -	$ -
Cooperative Arrangement	0	x	$ 385			$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 4,697,000	$ 3,710,630	$ 986,370
Renovation								
Age of Structure / Construction Year / sf to be renovated			Cost/sf	% Covered	Cost			
40 & Over	0	x	$ 385	100%	$ -			
31-39	0	x	$ 385	85%	$ -			
26-30	0	x	$ 385	75%	$ -			
21-25	0	x	$ 385	65%	$ -			
16-20	0	x	$ 385	50%	$ -			
0-15	0	x	$ 385	0%	$ -			
	0				$ -	$ -	$ -	$ -
Cooperative Arrangement	0	x	$ 385			$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 4,697,000	$ 3,710,630	$ 986,370
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 4,697,000	$ 3,710,630	$ 986,370
Other Local Costs								
Construction Costs								
Additional sf	0	x	$ 358	/sf	*n/a*	$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 234,850		$ 234,850
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 93,940		$ 93,940
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			5% for Complete Roof Replacement Design			$ 234,850		$ 234,850
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
Local Cost Sub-total						$ 563,640		$ 563,640
Maximum Budget						$ 5,260,640	$ 3,710,630	$ 1,550,010
Rounding							$ 370	$ (10)
NET FINAL BUDGET						$ 5,261,000	$ 3,711,000	$ 1,550,000

SCOPE OF WORK - NORTH HAGERSTOWN HIGH - SYSTEMIC RENOVATION - ROOF REPLACEMENT

Approximate area of BUR roof = 128,750 sf

General conditions	$	60,000
Remove/Demo existing roof @ approx. $ 5.00 per sf	$	644,000
Replace with new single ply TPO roof @ approx. $ 30.00 per sf	$	3,863,000
New roof drains / roof ladders/OSHA railings	$	60,000
Envelope modifications for new roof pitch	$	70,000
	$	4,697,000



North Hagerstown High School
Roof Plan

Roof Inspection - Fall 2020

School: North Hagerstown High Date: 12/2/20 Sheet: 1 of 2

Area: Main Roof **Installed:** 1992

Type of Deck: Metal / Gypsum
of Insul: Fiberglass/ ISO **Condition:** **Not Adequate**
of Roof: BUR (Overall Roof Condition) 65
of Flash: Dynaflex
of Edge: Coping / Waterdam (Last Year) 68

[<64=Poor 65-74=Not Adequate 75-84=Adequate 85-94=Good 95-100=Superior]

Detailed Conditions

Detailed Condition of Watertightness:

(1-Numerous 2-Many 3-Few 4-None Apparent)

Leaks Occasionally:	3
Leaks Every Rain:	4
Leaks in High Wind:	4
Reported Work Orders:	3

Detailed Condition of Roof Membrane:

(1-Numerous 2-Many 3-Few 4-None Apparent)

Blisters:	4	Ridges:	4
Splits:	4	Fish Mouths:	4
Exposed:	3	Migration:	4
Alligatored:	3	Punctures:	4
Ponding:	3	Debris:	2
Vegetation:	2		

Detailed Condition of Flashing Membrane:

(1-Numerous 2-Many 3-Few 4-None Apparent)

Splits:	2	Exposed:	3
Migration:	2	Punctures:	4

Detailed Condition of Metal/Penetrations:

(1-Poor 2-Fair 3-Good 4-Excellent)

Counter Flashing:	3	Fascia/Coping:	3
Pitch Pans:	3	Metal Seams:	3
Drains/D.S.:	3	Exp.Joints:	2

Subtract
(**Note**: Subtract 1 point for every 2 years of age) 14

Comments: Expansion joints and overall roof in bad condition.

Roof Inspection - Fall 2020

School: North Hagerstown High Date: 12/2/20 Sheet: 2 of 2

Area: Metal Sections **Installed:** 1992

Type of Deck: Metal / Gypsum
of Insul: ISO **Condition:** **Adequate**
of Roof: Metal (Overall Roof Condition) 82
of Flash: Dynaflex
of Edge: Edging (Last Year) 83

[<64=Poor 65-74=Not Adequate 75-84=Adequate 85-94=Good 95-100=Superior]

Detailed Conditions

Detailed Condition of Watertightness:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Leaks Occasionally:	4
Leaks Every Rain:	4
Leaks in High Wind:	4
Reported Work Orders:	4

Detailed Condition of Roof Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Blisters:	4	Ridges:	4
Splits:	4	Fish Mouths:	4
Exposed:	4	Migration:	4
Rust:	4	Punctures:	4
Ponding:	4	Debris:	4
Vegetation:	4		

Detailed Condition of Flashing Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Splits:	4	Exposed:	4
Migration:	4	Punctures:	4

Detailed Condition of Metal/Penetrations:
(1-Poor 2-Fair 3-Good 4-Excellent)

Counter Flashing:	3	Fascia/Coping:	3
Pitch Pans:	4	Metal Seams:	3
Drains/D.S.:	3	Exp.Joints:	4

Subtract
(**Note**: Subtract 1 point for every 2 years of age) 14

Comments: "Roof is same, but continually has damage to the dock area due to trucks making deliveries and the emptying the dumpsters."

Roof Inspection - Spring 2021

School: North Hagerstown High Date: 4/15/21 Sheet: 1 of 2

Area: Main Roof **Installed:** 1992

Type of Deck: Metal / Gypsum
of Insul: Fiberglass/ ISO **Condition:** **Poor**
of Roof: BUR (Overall Roof Condition) 64
of Flash: Dynaflex
of Edge: Coping / Waterdam (Last Year) 68

[<64=Poor 65-74=Not Adequate 75-84=Adequate 85-94=Good 95-100=Superior]

Detailed Conditions

Detailed Condition of Watertightness:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Leaks Occasionally:	3
Leaks Every Rain:	4
Leaks in High Wind:	4
Reported Work Orders:	3

Detailed Condition of Roof Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Blisters:	4	Ridges:	4
Splits:	4	Fish Mouths:	4
Exposed:	3	Migration:	4
Alligatored:	3	Punctures:	4
Ponding:	3	Debris:	2
Vegetation:	2		

Detailed Condition of Flashing Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Splits:	2	Exposed:	3
Migration:	2	Punctures:	4

Detailed Condition of Metal/Penetrations:
(1-Poor 2-Fair 3-Good 4-Excellent)

Counter Flashing:	2	Fascia/Coping:	3
Pitch Pans:	3	Metal Seams:	3
Drains/D.S.:	3	Exp.Joints:	2

Subtract
(**Note**: Subtract 1 point for every 2 years of age) 14

Comments: Will need new roof soon

Roof Inspection - Spring 2021

School: North Hagerstown High Date: 4/15/21 Sheet: 2 of 2

Area: Metal Sections **Installed:** 1992

Type of Deck: Metal / Gypsum
of Insul: ISO **Condition:** **Adequate**
of Roof: Metal (Overall Roof Condition) 82
of Flash: Dynaflex
of Edge: Edging (Last Year) 82

[<64=Poor 65-74=Not Adequate 75-84=Adequate 85-94=Good 95-100=Superior]

Detailed Conditions

Detailed Condition of Watertightness:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Leaks Occasionally:	4
Leaks Every Rain:	4
Leaks in High Wind:	4
Reported Work Orders:	4

Detailed Condition of Roof Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Blisters:	4	Ridges:	4
Splits:	4	Fish Mouths:	4
Exposed:	4	Migration:	4
Rust:	4	Punctures:	4
Ponding:	4	Debris:	4
Vegetation:	4		

Detailed Condition of Flashing Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Splits:	4	Exposed:	4
Migration:	4	Punctures:	4

Detailed Condition of Metal/Penetrations:
(1-Poor 2-Fair 3-Good 4-Excellent)

Counter Flashing:	3	Fascia/Coping:	3
Pitch Pans:	4	Metal Seams:	3
Drains/D.S.:	3	Exp.Joints:	4

Subtract
(**Note**: Subtract 1 point for every 2 years of age) 14

Comments:

Roof Inspection - Spring 2022

School: North Hagerstown High Date: 5/17/22 Sheet: 1 of 2

Area: Main Roof **Installed:** 1992

Type of Deck: Metal / Gypsum
of Insul: Fiberglass/ ISO **Condition:** **Poor**
of Roof: BUR (Overall Roof Condition) 62
of Flash: Dynaflex
of Edge: Coping / Waterdam (Last Year) 64

[<64=Poor 65-74=Not Adequate 75-84=Adequate 85-94=Good 95-100=Superior]

Detailed Conditions

Detailed Condition of Watertightness:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Leaks Occasionally:	3
Leaks Every Rain:	4
Leaks in High Wind:	4
Reported Work Orders:	3

Detailed Condition of Roof Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Blisters:	4	Ridges:	4
Splits:	4	Fish Mouths:	4
Exposed:	3	Migration:	4
Alligatored:	3	Punctures:	4
Ponding:	3	Debris:	2
Vegetation:	2		

Detailed Condition of Flashing Membrane:
(1-Numerous 2-Many 3-Few 4-None Apparent)

Splits:	2	Exposed:	3
Migration:	2	Punctures:	4

Detailed Condition of Metal/Penetrations:
(1-Poor 2-Fair 3-Good 4-Excellent)

Counter Flashing:	3	Fascia/Coping:	3
Pitch Pans:	3	Metal Seams:	2
Drains/D.S.:	2	Exp.Joints:	2

Subtract
(**Note**: Subtract 1 point for every 2 years of age) 15

Comments: Drain migration and splitting
Repaired 2 drains and expansion joints

Roof Inspection - Spring 2022

School: North Hagerstown High Date: 5/17/22 Sheet: 2 of 2

Area: Metal Sections **Installed:** 1992

Type of Deck: Metal / Gypsum
of Insul: ISO **Condition:** **Adequate**
of Roof: Metal (Overall Roof Condition) 80
of Flash: Dynaflex
of Edge: Edging (Last Year) 82

[<64=Poor 65-74=Not Adequate 75-84=Adequate 85-94=Good 95-100=Superior]

Detailed Conditions

Detailed Condition of Watertightness:

(1-Numerous 2-Many 3-Few 4-None Apparent)

Leaks Occasionally:	4
Leaks Every Rain:	4
Leaks in High Wind:	4
Reported Work Orders:	4

Detailed Condition of Roof Membrane:

(1-Numerous 2-Many 3-Few 4-None Apparent)

Blisters:	4	Ridges:	4
Splits:	4	Fish Mouths:	4
Exposed:	4	Migration:	4
Rust:	4	Punctures:	4
Ponding:	4	Debris:	4
Vegetation:	4		

Detailed Condition of Flashing Membrane:

(1-Numerous 2-Many 3-Few 4-None Apparent)

Splits:	4	Exposed:	4
Migration:	3	Punctures:	4

Detailed Condition of Metal/Penetrations:

(1-Poor 2-Fair 3-Good 4-Excellent)

Counter Flashing:	3	Fascia/Coping:	3
Pitch Pans:	4	Metal Seams:	3
Drains/D.S.:	3	Exp.Joints:	4

Subtract
(**Note**: Subtract 1 point for every 2 years of age) 15

Comments:

LINCOLNSHIRE ELEMENTARY
PSC NO. 21.037
CHILLER REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC
Interagency Commission on School Construction

PSC No.:	21.037	FUNDING PROGRAM:	PSCP CIP X	BUILT TO LEARN	
LEA:	Washington County	REQUEST TYPE:	Facility Renewal		
SCHOOL NAME:	Lincolnshire Elementary	FY:	2024	Date Submitted:	9/20/22
ADDRESS:	17545 Lincolnshire Road, Hagerstown, MD 21740	PRIORITY #:	9	Revised Date:	2/21/23

PROJECT TYPE (Primary System/PS): Roof: | HVAC: X | Structural: | Other Facility Renewal: Chiller | Windows/Doors:
Electrical Upgrade | COST SHARE %: STATE 79% LOCAL 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER — GRADES PK-5 — SRC 545
Asset Tag Number of PS (if applicable) — Year PS Entered Service 1997

CURRENT FUNDING REQUEST: $437,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS									TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$437,000

1. SITE: Acreage 13.650 | Date IAC Approved N/A | MHT Category # 2 | Date of MHT Review N/A | In PFA X | Water X | Sewer X

2. EXISTING FACILITY:

	Gross SF	Date	RENOVATED Gross SF	RENOVATED Date	DEMOLISHED Gross SF	DEMOLISHED Date	TOTAL Gross SF
ORIGINAL	42,309	1954	42,309	1997			42,309
ADDITION	10,867	1964	10,867	1997			10,867
ADDITION	11,615	1997					11,615
ADDITION							-
ADDITION							-
TOTAL	64,791		53,176		-		64,791

3. Indicate below the date the building component was last replaced with State Funds:

1997

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for chillers and their associated components includes performing annual inspections of the equipment at each school facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. In addition, the control systems for the chillers are continuously monitored, updated with inspections occurring annually. This project will replace a chiller that will be 28 years old at the time of replacement and well beyond its expected and remaining useful life cycle. As part of its reactive maintenance program, WCPS has responded to 31 work orders on this chiller at Lincolnshire Elementary and its associated components in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

The existing 140 ton air cooled chiller at Lincolnshire Elementary School was installed during the 1997 renovation/addition project. The 26 year old chiller has surpassed its expected life cycle , and has begun to fail as evidenced by the total number of maintenance calls and repairs being needed over the past few years. Should this chiller encounter a major failure, Washington County Public Schools would not be able to cool the entire 65,791 sq. ft. school. This project will likely replace the existing chiller with multiple smaller chillers which can be staged to provide increased system diversity. This diversification could extend the life of the new chillers. This option will be dependent on the available mechanical space and proposed design solutions from the engineer. Regardless of the final configuration, the new chiller(s) will be designed with enough capacity to provide chilled water for the entire facility. In all cases, new chilled water pumps/piping, automatic temperature controls (ATC), electric and other appurtenances will be replaced as part of this project. As a Category II facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Boiler (QZAB 2015), Security Initiative (2014)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to provide cooling to this facility during spring/fall months is critical to WCPS's educational delivery.

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Chiller, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	**545**	**496**	**463**	**448**	**441**	**446**	**457**	**464**	**457**	88

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	***N/A***

11. BUDGET:

		Total Estimated Project Budget	Estimated Local Funds	Estimated Net State Funding
Design	7%	$ 39,000	$ 39,000	$ 0
Construction		$ 553,000	$ 116,000	$ 437,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 11,000	$ 11,000	$ 0
Construction Cost		**$ 603,000**	$ 166,000	**$ 437,000**
Contingency	5%	$ 28,000	$ 28,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 631,000**	**$ $194,000**	$ **437,000**

12 SCHEDULE:

Date A/E Hired: **7/26/2023**	Ed. Specs: **N/A**	Estimated Bid: **1/8/2024**	Actual Bid Date:
Schematic Design: **N/A**	Design Development: **N/A**	Estimated Construction: **6/10/2024**	Actual Construction:
Construction Document: **10/30/2023**		Estimated Project Completion: **8/16/2024**	Project Completion:

Revised 7/2021

LINCOLNSHIRE ELEMENTARY - SYSTEMIC RENOVATION - CHILLER REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 553,000	$ 436,870	$ 116,130
New sf	0 x	$ 385				$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 553,000	$ 436,870	$ 116,130
Renovation								
Age of Structure / Construction Year / sf to be renovated			Cost/sf	% Covered	Cost			
40 & Over	0 x	$ 385		100%	$ -			
31-39	0 x	$ 385		85%	$ -			
26-30	0 x	$ 385		75%	$ -			
21-25	0 x	$ 385		65%	$ -			
16-20	0 x	$ 385		50%	$ -			
0-15	0 x	$ 385		0%	$ -			
	0				$ -	$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385				$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 553,000	$ 436,870	$ 116,130
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 553,000	$ 436,870	$ 116,130
Other Local Costs								
Construction Costs								
Additional sf	0 x	$ 385	/sf	*n/a*		$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 27,650		$ 27,650
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 11,060		$ 11,060
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			7%			$ 38,710		$ 38,710
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
Local Cost Sub-total						$ 77,420		$ 77,420
Maximum Budget						$ 630,420	$ 436,870	$ 193,550
Rounding							$ 130	$ 450
NET FINAL BUDGET						$ 631,000	$ 437,000	$ 194,000

SCOPE OF WORK - LINCOLNSHIRE ELEMENTARY - SYSTEMIC RENOVATION - CHILLER REPLACEMENT

General conditions	$	38,000	
Removal of old chiller	$	45,000	
Chiller installation/Chiller cost	$	390,000	
CW loop, welding, piping, etc.	$	50,000	
Controls, electric	$	30,000	
	$	553,000	Total Estimated Cost

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SMITHSBURG ELEMENTARY
PSC NO. 21.036
CHILLER REPLACEMENT

IAC Interagency Commission on School Construction

PSC No.:	21.036	**FUNDING PROGRAM: PSCP CIP**	X **BUILT TO LEARN**
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal
SCHOOL NAME:	Smithsburg Elementary	**FY:**	2024 **Date Submitted:** 9/20/22
ADDRESS:	67 N. Main Street, Smithsburg, MD 21783	**PRIORITY #:**	10 **Revised Date:** 2/21/23

PROJECT TYPE (Primary System/PS): **Roof:** **HVAC:** X **Structural:** **Other Facility Renewal:** Chiller **Windows/Doors:**
Electrical Upgrade **COST SHARE %:** **STATE** 79% **LOCAL** 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER **GRADES** PK-5 SRC 431
Asset Tag Number of PS (if applicable) **Year PS Entered Service** 1997

CURRENT FUNDING REQUEST: $387,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS									TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$387,000

1. SITE: Acreage 11.130 Date IAC Approved N/A MHT Category # 2 Date of MHT Review N/A In PFA X Water X Sewer X

2. EXISTING FACILITY:

			RENOVATED		DEMOLISHED		TOTAL
	Gross SF	Date	Gross SF	Date	Gross SF	Date	Gross SF
ORIGINAL	33,818	1953	33,818	1997			**33,818**
ADDITION	14,769	1997					**14,769**
ADDITION							**-**
ADDITION							**-**
ADDITION							**-**
TOTAL	48,587		33,818		-		**48,587**

3. Indicate below the date the building component was last replaced with State Funds:

1997

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for chillers and their associated components includes performing annual inspections of the equipment at each school facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. In addition, the control systems for the chillers are continuously monitored, updated with inspections occurring annually. This project will replace a chiller that will be 28 years old at the time of replacement and well beyond its expected and remaining useful life cycle. As part of its reactive maintenance program, WCPS has responded to 49 work orders on this chiller at Smithsburg Elementary and its associated components in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

The existing 160 ton air cooled chiller at Smithsburg Elementary School was installed during the 1997 renovation/addition project. The 26 year old chiller has surpassed its expected life cycle , and has begun to fail as evidenced by the total number of maintenance calls and repairs being needed over the past few years. Should this chiller encounter a major failure, Washington County Public Schools would not be able to cool the 48,587 sq. ft. school. This project will likely replace the existing chiller with multiple smaller chillers which can be staged to provide increased system diversity. This diversification could extend the life of the new chillers. This option will be dependent on the available mechanical space and proposed design solutions from the engineer. Regardless of the final configuration, the new chiller(s) will be designed with enough capacity to provide chilled water for the entire facility. In all cases, new chilled water pumps/piping, automatic temperature controls (ATC), electric and other appurtenances will be replaced as part of this project. As a Category II facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Boiler (ASP 2015), Security Initiative (2014)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to provide cooling to this facility during spring/fall months is critical to WCPS's educational delivery.

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Chiller, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	**431**	**369**	**367**	**364**	**364**	**363**	**363**	**361**	**362**	69

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	***N/A***

11. BUDGET:

		Total Estimated Project Budget	Estimated Local Funds	Estimated Net State Funding
Design	7%	$ 34,000	$ 34,000	$ 0
Construction		$ 490,000	$ 103,000	$ 387,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 10,000	$ 10,000	$ 0
Construction Cost		**$ 534,000**	$ 147,000	**$ 387,000**
Contingency	5%	$ 25,000	$ 25,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 559,000**	**$ $172,000**	$ **387,000**

12 SCHEDULE:

Date A/E Hired: **7/26/2023**	Ed. Specs: **N/A**	Estimated Bid: **1/8/2024**	Actual Bid Date:
Schematic Design: **N/A**	Design Development: **N/A**	Estimated Construction: **6/10/2024**	Actual Construction:
Construction Document: **10/30/2023**		Estimated Project Completion: **8/16/2024**	Project Completion:

Revised 7/2021

SMITHSBURG ELEMENTARY - SYSTEMIC RENOVATION - CHILLER REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation				Total Construction Cost	79% State Share	Local Share
New/Addition		Cost/sf				
Estimate of Work			See attached Scope of Work	$ 490,000	$ 387,100	$ 102,900
New sf	0 x	$ 385		$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385		$ -	$ -	$ -
Site Development		19%		$ -	$ -	$ -
				$ 490,000	$ 387,100	$ 102,900
Renovation						
Age of Structure / Construction Year / sf to be renovated		Cost/sf	% Covered	Cost		
40 & Over	0 x	$ 385	100%	$ -		
31-39	0 x	$ 385	85%	$ -		
26-30	0 x	$ 385	75%	$ -		
21-25	0 x	$ 385	65%	$ -		
16-20	0 x	$ 385	50%	$ -		
0-15	0 x	$ 385	0%	$ -		
	0			$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385		$ -	$ -	$ -
Site Development		5%		$ -	$ -	$ -
				$ -	$ -	$ -
Contingency		0.0%		$ -	$ -	$ -
Maximum State Construction Cost				$ 490,000	$ 387,100	$ 102,900
Less Prior State Funding					$ -	
					$ -	
Net State Construction Cost				$ 490,000	$ 387,100	$ 102,900
Other Local Costs						
Construction Costs						
Additional sf	0 x	$ 385 /sf	*n/a*	$ -		$ -
Site Development		12%		$ -		$ -
Contingency		5.0%	*No longer supported through State funding*	$ 24,500		$ 24,500
Utilities		1.5%				$ -
Water/Sewer Connection Fees			n/a	$ -		$ -
Inspection & Testing		2.0%		$ 9,800		$ 9,800
						$ -
Furniture & Equipment		0%	n/a	$ -		$ -
						$ -
Professional Service						$ -
Architect/Engineer		7%		$ 34,300		$ 34,300
						$ -
Other Project Specific Costs						$ -
none				$ -		$ -
				$ -		$ -
				$ -		$ -
Local Cost Sub-total				$ 68,600		$ 68,600
Maximum Budget				$ 558,600	$ 387,100	$ 171,500
Rounding					$ (100)	$ 500
NET FINAL BUDGET				$ 559,000	$ 387,000	$ 172,000

SCOPE OF WORK - SMITHSBURG ELEMENTARY - SYSTEMIC RENOVATION - CHILLER REPLACEMENT

General conditions	$	30,000	
Removal of old chiller	$	20,000	
Chiller installation/Chiller cost	$	380,000	
CW loop, welding, piping, etc.	$	40,000	
Controls, electric	$	20,000	
	$	490,000	Total Estimated Cost

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BOONSBORO ELEMENTARY
PSC NO.21.027
WINDOW/DOOR REPLACEMENT

APG Public School Construction Program: Capital Improvement Program / Built to Learn Act Program Form 102.1 Form
Request for Capital Maintenance Funding

IAC Interagency Commission on School Construction

PSC No.:	21.027	FUNDING PROGRAM:	PSCP CIP X	BUILT TO LEARN	
LEA:	Washington County	REQUEST TYPE:	Facility Renewal		
SCHOOL NAME:	Boonsboro Elementary	FY:	2024	Date Submitted:	9/20/22
ADDRESS:	5 Campus Avenue, Boonsboro, MD 21713	PRIORITY #:	11	Revised Date:	2/21/23

PROJECT TYPE (Primary System/PS): Roof: | HVAC: | Structural: | Other Facility Renewal: | Windows/Doors: X
Electrical Upgrade | COST SHARE %: STATE 79% LOCAL 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER — GRADES PK-5 — SRC 499
Asset Tag Number of PS (if applicable) — Year PS Entered Service 1991

CURRENT FUNDING REQUEST: $357,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS									TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$357,000

1. SITE: Acreage 11.010 | Date IAC Approved N/A | MHT Category # 2 | Date of MHT Review N/A | In PFA X | Water X | Sewer X

2. EXISTING FACILITY:

	Gross SF	Date	RENOVATED Gross SF	RENOVATED Date	DEMOLISHED Gross SF	DEMOLISHED Date	TOTAL Gross SF
ORIGINAL	43,278	1950	43,278	1991			43,278
ADDITION	19,438	1991					19,438
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	62,716		43,278		-		62,716

3. Indicate below the date the building component was last replaced with State Funds:

1991

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for an exterior windows and doors includes performing annual inspections at every facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. This project will replace failing doors/windows and thermally inefficient windows that will be 31 years old at the time of replacement and well beyond their expected and remaining useful life cycles. The exterior windows and doors create safety/security issues if they do not function properly for students/staff. As part of its reactive maintenance program, WCPS has responded to 40 work orders on the exterior windows and doors in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

The project is intended to replace the exterior windows and doors at Boonsboro Elementary School. The original 43,278 sq. ft. school was built in 1950, and was fully modernized, including a 19,438 sf addition in 1991. The 32 year old exterior windows and doors have surpassed their expected life cycles, and are beginning to fail as evidenced by the total number of maintenance calls and repairs being needed over the past few years. The windows have lost thermal efficiency, which increases operating costs of this facility. The failing doors also result low thermal efficiency/increased operating costs, but more importantly pose potential increased security risks that are not acceptable. As a Category II facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [HVAC (2022), HVAC (2018), Roof (2019)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for these building components as they have surpassed their expected and remaining useful service life.

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the exterior windows and doors, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	499	509	548	549	532	530	533	528	525	-26

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	*N/A*

11. BUDGET:

		Total Estimated Project Budget	Estimated Local Funds	Estimated Net State Funding
Design	7%	$ 32,000	$ 32,000	$ 0
Construction		$ 452,000	$ 95,000	$ 357,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 9,000	$ 9,000	$ 0
Construction Cost		**$ 493,000**	$ 136,000	**$ 357,000**
Contingency	5%	$ 22,000	$ 22,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 515,000**	**$158,000**	**$ 357,000**

12 SCHEDULE:

Date A/E Hired: **7/26/2023**	Ed. Specs: **N/A**	Estimated Bid: **1/8/2024**	Actual Bid Date:
Schematic Design: **N/A**	Design Development: **N/A**	Estimated Construction: **6/10/2024**	Actual Construction:
Construction Document: **10/30/2023**		Estimated Project Completion: **8/16/2024**	Project Completion:

Revised 7/2021

BOONSBORO ELEMENTARY - SYSTEMIC RENOVATION - WINDOW/DOOR REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation				Total Construction Cost	79% State Share	Local Share
New/Addition		Cost/sf				
Estimate of Work			See attached Scope of Work	$ 452,000	$ 357,080	$ 94,920
New sf	0 x	$ 385		$ -	$ -	$ -
Cooperative Arrangement	0 x	$ 385		$ -	$ -	$ -
Site Development		19%		$ -	$ -	$ -
				$ 452,000	$ 357,080	$ 94,920
Renovation						
Contingency		0.0%		$ -	$ -	$ -
Maximum State Construction Cost				$ 452,000	$ 357,080	$ 94,920
Less Prior State Funding					$ -	
					$ -	
Net State Construction Cost				$ 452,000	$ 357,080	$ 94,920
Other Local Costs						
Construction Costs						
Additional sf	0 x	$ 385	/sf *n/a*	$ -		$ -
Site Development		12%		$ -		$ -
Contingency		5.0%	*No longer supported through State funding*	$ 22,600		$ 22,600
Utilities		1.5%				$ -
Water/Sewer Connection Fees			n/a	$ -		$ -
Inspection & Testing		2.0%		$ 9,040		$ 9,040
						$ -
Furniture & Equipment		0%	n/a	$ -		$ -
						$ -
Professional Service						$ -
Architect/Engineer		7%		$ 31,640		$ 31,640
						$ -
Other Project Specific Costs						$ -
none				$ -		$ -
				$ -		$ -
				$ -		$ -
Local Cost Sub-total				$ 63,280		$ 63,280
Maximum Budget				$ 515,280	$ 357,080	$ 158,200
Rounding					$ (80)	$ (200)
NET FINAL BUDGET				$ 515,000	$ 357,000	$ 158,000

Age of Structure	Construction Year	sf to be renovated		Cost/sf	% Covered	Cost
40 & Over		0	x	$ 385	100%	$ -
31-39		0	x	$ 385	85%	$ -
26-30		0	x	$ 385	75%	$ -
21-25		0	x	$ 385	65%	$ -
16-20		0	x	$ 385	50%	$ -
0-15		0	x	$ 385	0%	$ -
		0				$ -

SCOPE OF WORK - BOONSBORO ELEMENTARY - SYSTEMIC RENOVATION - WINDOW/DOOR REPLACEMENT

General conditions	$	30,000	
Replacing windows/doors/sills,hardware, etc.	$	382,000	
Miscellaneous (ceiling repairs/r	$	40,000	
	$	452,000	Total Estimated Cost

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MARSHALL STREET
PSC NO.21.016
ELECTRICAL DISTRIBUTION REPLACEMENT

IAC Interagency Commission on School Construction

PSC No.:	21.016	**FUNDING PROGRAM: PSCP CIP**	X **BUILT TO LEARN**
LEA:	Washington County	**REQUEST TYPE:**	Facility Renewal
SCHOOL NAME:	Marshall Street School	**FY:**	2024 **Date Submitted:** 9/20/22
ADDRESS:	1350 Marshall Street, Hagerstown, MD 21740	**PRIORITY #:**	12 **Revised Date:** 2/21/23

PROJECT TYPE (Primary System/PS): **Roof:** **HVAC:** **Structural:** **Other Facility Renewal:** **Windows/Doors:**
Electrical Upgrade X **COST SHARE %: STATE** 79% **LOCAL** 21%

COOPERATIVE USE
HIGH PERFORMANCE
SCHOOL NUMBER **GRADES** PK-12 SRC 150
Asset Tag Number of PS (if applicable) **Year PS Entered Service** 1976

CURRENT FUNDING REQUEST: $557,000
TOTAL PRIOR STATE FUNDS: $0

EXPECTED FIVE-YEAR PROGRAM FUNDING REQUESTS									TOTAL:
FY2025	$0	FY2026	$0	FY2027	$0	FY2028	$0	FY2029	$0	$557,000

1. SITE: Acreage 2.000 Date IAC Approved N/A MHT Category # 3 Date of MHT Review N/A In PFA X Water X Sewer X

2. EXISTING FACILITY:

			RENOVATED		DEMOLISHED		TOTAL
	Gross SF	Date	Gross SF	Date	Gross SF	Date	Gross SF
ORIGINAL	49,945	1976					**49,945**
ADDITION							-
ADDITION							-
ADDITION							-
ADDITION							-
TOTAL	49,945		-		-		**49,945**

3. Indicate below the date the building component was last replaced with State Funds:

1976

4. Describe all preventive maintenance activities that have occurred to keep the system operational? (i.e., work orders, etc.)

The WCPS preventive maintenance for an electrical distribution system includes performing annual inspections at every facility, and updating facility assessment conditions in the annual Educational Facilities Master Plan. This project will replace distribution panels that will be 48 years old at the time of replacement and well beyond their expected and remaining useful life cycles. These Main Distribution Panels, sub panels, and switchgear assemblies are obsolete and new replacement parts are no longer readily available which could result in a single point of failure for the school's electrical system without the ability to repair. As part of its reactive maintenance program, WCPS has responded to 23 work orders on the electrical distribution system in the last 3 years.

5. Detailed Scope: (What do you wish to accomplish with this project; Describe, with measurements)

The project will replace the main electrical distribution system and other various electrical components (branch circuit panels, etc.) most of which that are original to this facility which was built in 1976. Due to the age of the electrical equipment, replacement parts are no longer made, and in the event of a failure, could cause this facility to remain closed until replacement parts could be procured or custom made. Electrical upgrades will also enhance and ensure service to rooms in the building that house medically fragile students. Scope will include new circuits for specific patient care areas. This project will not impact or alter the 2006 emergency generator. The entire system will be brought up to current standards to meet all code requirements. As a Category III facility, this project meets the criteria listed in Stipulation VI.A of the Programmatic Agreement between the Maryland Historic Trust and the Maryland Public School Construction Program for Compliance with the Maryland Historical Trust Act of 1985. ****This project will not remove or modify any state-funded work that occurred during the last 15 years [Playground (QZAB 2013), Boilers (2014)]****

6. Alternative Solution: What else can be done to correct the problem:

There are no alternative solutions for this building component as it has surpassed its expected and remaining useful service life. The ability to distribute electricity throughout this facility is critical to WCPS's educational delivery and protection of the facility from additional damage (security/frozen pipes/etc.).

7. What Caused this Problem? (normal wear and tear, poor contractor performance, poor materials, improper maintenance)?

Age of the Electrical Distribution System, additional service requirements (equipment, technology, etc.) over the years, and normal wear/tear.

8. What are the consequences if this project is not approved:
Check all that apply:

X	1. Failure of system is likely to cause shutdown of facility for purposes of delivering educational programs and services.
	2. System is currently adversely affecting the delivery of educational programs & services.
	3. System is currently causing serious threats to life, safety, or health of facility occupants.
	4. System is currently causing violations of building or other official codes.
X	5. System is currently causing or will imminently cause damage to other building systems.
X	6. Replacement/installation will increase the remaining useful lifespan (RUL) of other building systems in the facility, thereby extending the RUL of the facility.

9. ENROLLMENT PROJECTIONS (Requested)	Year→	2022	2023	2024	2025	2026	2027	2028	2029	Difference
	SRC	Current Enrollment	FTE	FTE	FTE	FTE	FTE	FTE	FTE	SRC-FTE
Requested School:	**150**	**100**	**83**	**83**	**83**	**83**	**83**	**83**	**83**	67

10. EMERGENCY ELECTRICAL POWER:

Entering an X in the Electrical Upgrade/Replacement field on page 1 indicates that this project involves replacement of the electrical system or upgrade to the electrical capacity. Provide the Status of the Shelter Compliance Process:	***Washington County Public Schools has not had time to discuss this project with the Washington County Office of Emergency Management. WCPS would anticipate that based on the size/location and sue of this building, it will likely be determined as not suitable for use as a public shelter during or after a federal, state, or local declared emergency. Pending funding approval, this meeting/process will occur.***

11. BUDGET:		**Total Estimated Project Budget**	**Estimated Local Funds**	**Estimated Net State Funding**
Design	7%	$ 50,000	$ 50,000	$ 0
Construction		$ 705,000	$ 148,000	$ 557,000
Site Development	19%	$ -	$ -	$ 0
Other (Furniture and Fixtures, etc.)	2%	$ 14,000	$ 14,000	$ 0
Construction Cost		**$ 769,000**	$ 212,000	$ **557,000**
Contingency	5%	$ 35,000	$ 35,000	$
High Performance Costs (Administrative only)		$ -	$ -	$ -
Total		**$ 804,000**	**$ $247,000**	$ **557,000**

12 SCHEDULE:					
Date A/E Hired:	**7/26/2023**	Ed. Specs:	**N/A**	Estimated Bid: **1/8/2024**	Actual Bid Date:
Schematic Design:	**N/A**	Design Development:	**N/A**	Estimated Construction: **6/10/2024**	Actual Construction:
Construction Document:	**10/30/2023**			Estimated Project Completion: **8/16/2024**	Project Completion:

Revised 7/2021

MARSHALL STREET - SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT **LEA: WASHINGTON COUNTY**

State Construction Cost Calculation						Total Construction Cost	79% State Share	Local Share
New/Addition			Cost/sf					
Estimate of Work				See attached Scope of Work		$ 705,000	$ 556,950	$ 148,050
New sf	0	x	$ 385			$ -	$ -	$ -
Cooperative Arrangement	0	x	$ 385			$ -	$ -	$ -
Site Development			19%			$ -	$ -	$ -
						$ 705,000	$ 556,950	$ 148,050
Renovation								
Age of Structure / Construction Year / sf to be renovated			Cost/sf	% Covered	Cost			
40 & Over	0	x	$ 385	100%	$ -			
31-39	0	x	$ 385	85%	$ -			
26-30	0	x	$ 385	75%	$ -			
21-25	0	x	$ 385	65%	$ -			
16-20	0	x	$ 385	50%	$ -			
0-15	0	x	$ 385	0%	$ -			
	0				$ -	$ -	$ -	$ -
Cooperative Arrangement	0	x	$ 385			$ -	$ -	$ -
Site Development			5%			$ -	$ -	$ -
						$ -	$ -	$ -
Contingency			0.0%			$ -	$ -	$ -
Maximum State Construction Cost						$ 705,000	$ 556,950	$ 148,050
Less Prior State Funding							$ -	
							$ -	
Net State Construction Cost						$ 705,000	$ 556,950	$ 148,050
Other Local Costs								
Construction Costs								
Additional sf	0	x	$ 385	/sf	*n/a*	$ -		$ -
Site Development			12%			$ -		$ -
Contingency			5.0%	*No longer supported through State funding*		$ 35,250		$ 35,250
Utilities			1.5%					$ -
Water/Sewer Connection Fees				n/a		$ -		$ -
Inspection & Testing			2.0%			$ 14,100		$ 14,100
								$ -
Furniture & Equipment			0%	n/a		$ -		$ -
								$ -
Professional Service								$ -
Architect/Engineer			7%			$ 49,350		$ 49,350
								$ -
Other Project Specific Costs								$ -
none						$ -		$ -
						$ -		$ -
						$ -		$ -
Local Cost Sub-total						$ 98,700		$ 98,700
Maximum Budget						$ 803,700	$ 556,950	$ 246,750
Rounding							$ 50	$ 250
NET FINAL BUDGET						$ 804,000	$ 557,000	$ 247,000

SCOPE OF WORK - MARSHALL STREET - SYSTEMIC RENOVATION - ELECTRICAL DISTRIBUTION REPLACEMENT

General conditions	$	35,000
Replacing switchgears, main distribution panels, low voltage distribution panels, transformers, and branch distribution panels	$	600,000
Miscellaneous (ceiling repairs/access/etc.)	$	70,000
	$	705,000

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FUTURE PROJECT REQUEST - (Optional Form)

LEA: **Washington**
DATE: **9/20/22**
FISCAL YEAR: **2024**

PSC NO.: Various

PROJECT TYPE: NEW ____ ADDITION ____ RENOVATION ____ REPLACEMENT ____
SYSTEMIC RENOVATIONS: X STATE-OWNED RELOCATABLES: ____

SCHOOL NAME: FY 2025 Systemic Renovations
SCHOOL ADDRESS: Various

PRIORITY 13

DESCRIPTION:

School & Project:	FY 25 Request	LEA Costs	Total Cost
Northern Middle HVAC Replacement	$ 4,898,000	$ 2,046,000	$ 6,944,000
Western Heights Middle HVAC Replacement	$ 6,162,000	$ 2,574,000	$ 8,736,000
	$ 11,060,000	$ 4,620,000	$ 15,680,000

PROPOSED RATED CAPACITY:	N/A	GRADES:	N/A
REQUEST APPROVAL FOR PLANNING FY:	N/A	FUNDING FY:	2025
ESTIMATED COST TO STATE:	$11,060,000	LOCAL COST:	$4,620,000

PROJECT JUSTIFICATION:

Note: Above projects and estimated costs are based on current information.
They are subject to change in future Educational Facilities Master Plans and Capital Improvement Programs.

FUTURE PROJECT REQUEST - (Optional Form)

LEA: **Washington**
DATE: **9/20/22**
FISCAL YEAR: **BTL 2020**

PSC NO.:	Various	

PROJECT TYPE: NEW ____ ADDITION ____ RENOVATION ____ REPLACEMENT X

SYSTEMIC RENOVATIONS: ____ STATE-OWNED RELOCATABLES: ____

SCHOOL NAME: Replacement Elementary School

SCHOOL ADDRESS: To Be Determined

PRIORITY 14

DESCRIPTION:

Fiscal Year	State Request		LEA Costs	Total Cost
2025		LP	$ 1,500,000	$ 1,500,000
2026	$9,000,000 (BTL)	$3,813,000 (IAC)*	$ 7,000,000	$ 19,813,000
2027	$9,000,000 (BTL)	$3,813,000 (IAC)*	$ 7,020,000	$ 19,833,000
2028	$2,800,000 (BTL)		$ 150,000	$ 2,950,000
	$20,800,000 (BTL)	$7,626,000 (IAC)	$ 15,670,000	$ 44,096,000

Note: Per calculations, WCPS would be eligible for and require an additional $7,626,000 in IAC/PSCP funding for this facility. Those requests are shown here for clarity.

PROPOSED RATED CAPACITY:	N/A	GRADES:	PK-5
REQUEST APPROVAL FOR PLANNING FY:	2025	FUNDING FY:	2026-2028
ESTIMATED COST TO STATE:	$20,800,000 (BTL) $7,626,000 (IAC)	LOCAL COST:	$15,670,000

PROJECT JUSTIFICATION:

Note: Above timeline, estimated costs, and draw schedule are based on current information. They are subject to change in future Educational Facilities Master Plans and Capital Improvement Programs based on future discussions with MSA and the IAC.

FUTURE PROJECT REQUEST - (Optional Form)

LEA: **Washington**
DATE: **9/20/22**
FISCAL YEAR: **2024**

PSC NO.: Various

PROJECT TYPE: NEW ____ ADDITION ____ RENOVATION ____ REPLACEMENT ____
SYSTEMIC RENOVATIONS: X STATE-OWNED RELOCATABLES: ____

SCHOOL NAME: FY 2026 Systemic Renovations
SCHOOL ADDRESS: Various

PRIORITY 15

DESCRIPTION:

School & Project:	FY 26 Request	LEA Costs	Total Cost
Emma K. Doub Elementary Roof Replacement	$ 869,000	$ 363,000	$ 1,232,000
Hancock Elementary HVAC Replacement	$ 1,817,000	$ 759,000	$ 2,576,000
Old Forge Elementary Roof Replacement	$ 948,000	$ 396,000	$ 1,344,000
	$ 3,634,000	$ 1,518,000	$ 5,152,000

PROPOSED RATED CAPACITY:	N/A	GRADES:	N/A
REQUEST APPROVAL FOR PLANNING FY:	N/A	FUNDING FY:	2026
ESTIMATED COST TO STATE:	$3,634,000	LOCAL COST:	$1,518,000

PROJECT JUSTIFICATION:

Note: Above projects and estimated costs are based on current information.
They are subject to change in future Educational Facilities Master Plans and Capital Improvement Programs.

FUTURE PROJECT REQUEST - (Optional Form)

LEA: **Washington**
DATE: **REVISED 2/21/23**
FISCAL YEAR: **2024**

PSC NO.: Various

PROJECT TYPE: NEW ____ ADDITION ____ RENOVATION ____ REPLACEMENT ____
SYSTEMIC RENOVATIONS: X STATE-OWNED RELOCATABLES: ____

SCHOOL NAME: FY 2027 Systemic Renovations
SCHOOL ADDRESS: Various

PRIORITY 16

DESCRIPTION:

School & Project:	FY 27 Request	LEA Costs	Total Cost
E. Russell Hicks Middle Roof Replacement	$ 2,291,000	$ 957,000	$ 3,248,000
Potomac Heights Elementary HVAC Replacement	$ 1,817,000	$ 759,000	$ 2,576,000
	$ 4,108,000	$ 1,716,000	$ 5,824,000

PROPOSED RATED CAPACITY:	N/A	GRADES:	N/A
REQUEST APPROVAL FOR PLANNING FY:	N/A	FUNDING FY:	2027
ESTIMATED COST TO STATE:	$4,108,000	LOCAL COST:	$1,716,000

PROJECT JUSTIFICATION:

Note: Above projects and estimated costs are based on current information.
They are subject to change in future Educational Facilities Master Plans and Capital Improvement Programs.

FUTURE PROJECT REQUEST - (Optional Form)

LEA: **Washington**
DATE: **9/20/22** FISCAL YEAR: **2024**

PSC NO.: Various

PROJECT TYPE: NEW ____ ADDITION ____ RENOVATION ____ REPLACEMENT ____
SYSTEMIC RENOVATIONS: X STATE-OWNED RELOCATABLES: ____

SCHOOL NAME: FY 2028 Systemic Renovations
SCHOOL ADDRESS: Various

PRIORITY 17

DESCRIPTION:

School & Project:	FY 28 Request	LEA Costs	Total Cost
Boonsboro High HVAC Replacement	$ 6,913,000	$ 2,887,000	$ 9,800,000
Springfield Middle Roof Replacement	$ 3,002,000	$ 1,254,000	$ 4,256,000
	$ 9,915,000	$ 4,141,000	$ 14,056,000

PROPOSED RATED CAPACITY:	N/A	GRADES:	N/A
REQUEST APPROVAL FOR PLANNING FY:	N/A	FUNDING FY:	2028
ESTIMATED COST TO STATE:	$9,915,000	LOCAL COST:	$4,141,000

PROJECT JUSTIFICATION:

Note: Above projects and estimated costs are based on current information.
They are subject to change in future Educational Facilities Master Plans and Capital Improvement Programs.

FUTURE PROJECT REQUEST - (Optional Form)

LEA: **Washington**
DATE: **REVISED 2/21/23**
FISCAL YEAR: **2024**

PSC NO.: Various

PROJECT TYPE: NEW ____ ADDITION ____ RENOVATION ____ REPLACEMENT ____
SYSTEMIC RENOVATIONS: X STATE-OWNED RELOCATABLES: ____

SCHOOL NAME: FY 2029 Systemic Renovations
SCHOOL ADDRESS: Various

PRIORITY 18

DESCRIPTION:

School & Project:	FY 29 Request	LEA Costs	Total Cost
Marshall St. Ed. Center Roof Replacement	$ 1,185,000	$ 495,000	$ 1,680,000
Springfield Middle HVAC Replacement	$ 6,399,000	$ 2,673,000	$ 9,072,000
Williamsport High Door Replacement	$ 237,000	$ 99,000	$ 336,000
	$ 7,821,000	$ 3,267,000	$ 11,088,000

PROPOSED RATED CAPACITY:	N/A	GRADES:	N/A
REQUEST APPROVAL FOR PLANNING FY:	N/A	FUNDING FY:	2029
ESTIMATED COST TO STATE:	$7,821,000	LOCAL COST:	$3,267,000

PROJECT JUSTIFICATION:

Note: Above projects and estimated costs are based on current information.
They are subject to change in future Educational Facilities Master Plans and Capital Improvement Programs.

SUMMARY OF CURRENT PLANNING AND FUNDING REQUESTS

LEA: **Washington** FISCAL YEAR: **2024** DATE: **Revised 02/21/23**

PRIORITY #	PROJECT TITLE	TOTAL EST. COST	NON-PSCP/IAC FUNDS	TOTAL STATE FUNDS	PRIOR PSCP/IAC FUNDS	CURRENT REQUESTS ($ OR LP)	Expected Project Requests (enter fiscal year below)				
						FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
1	E. Russell Hicks Middle Chiller/Cooling Tower Replacement	$2,690,000	$826,000	$1,864,000	$0	$1,864,000					
2	Clear Spring Elementary Boiler Replacement	$821,000	$252,000	$569,000	$0	$569,000					
3	Pleasant Valley Elementary HVAC Replacement	$3,136,000	$963,000	$2,173,000	$0	$2,173,000					
4	Eastern Elementary Boiler/Chiller Replacement	$1,609,000	$494,000	$1,115,000	$0	$1,115,000					
5	Springfield Middle Electrical Distribution Replacement	$1,078,000	$331,000	$747,000	$0	$747,000					
6	Hancock Middle/High Electrical Distribution Replacement	$1,927,000	$592,000	$1,335,000	$0	$1,335,000					
7	Smithsburg Middle Electrical Distribution Replacement	$1,426,000	$438,000	$988,000	$0	$988,000					
8	North Hagerstown High Roof Replacement	$5,261,000	$1,550,000	$3,711,000	$0	$3,711,000					
9	Lincolnshire Elementary Chiller Replacement	$631,000	$194,000	$437,000	$0	$437,000					
10	Smithsburg Elementary Chiller Replacement	$559,000	$172,000	$387,000	$0	$387,000					
11	Boonsboro Elementary Window/Door Replacement	$515,000	$158,000	$357,000	$0	$357,000					
12	Marshall Street Electrical Distribution Replacement	$804,000	$247,000	$557,000	$0	$557,000					
13	FY 2025 Systemic Projects	$15,680,000	$4,620,000	$11,060,000	$0	$0	$11,060,000				
14	BTL - Replacement Elementary School	$44,096,000	$15,670,000	$28,426,000	$0	$0	LP	$12,813,000	$12,813,000	$2,800,000	
15	FY 2026 Systemic Projects	$5,152,000	$1,518,000	$3,634,000	$0	$0		$3,634,000			
16	FY 2027 Systemic Projects	$5,824,000	$1,716,000	$4,108,000	$0	$0			$4,108,000		
17	FY 2028 Systemic Projects	$14,056,000	$4,141,000	$9,915,000	$0	$0				$9,915,000	
18	FY 2029 Systemic Projects	$11,088,000	$3,267,000	$7,821,000	$0	$0					$7,821,000
	TOTAL (Last page only)	**$116,353,000**	**$37,149,000**	**$79,204,000**	**$0**	**$14,240,000**	**$11,060,000**	**$16,447,000**	**$16,921,000**	**$12,715,000**	**$7,821,000**

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STATUS OF PREVIOUSLY APPROVED PROJECTS

LEA: **Washington** FISCAL YEAR: **FY 2024**

DATE: **9/20/2022**

PROJECT TITLE and PSC NO.[1] (Chronological Order by Fiscal Year)	MONTH AND YEAR (00/00) OF STATE APPROVAL					Percent Construction Completed	Date Occupied
	IAC	SD	DD	CD	CONTRACT AWARD		
Boonsboro Middle Roof Replacement 21.010.16 SR	05/15			11/15	05/16	100%	9/16
Fountain Rock Elementary Roof Replacement 21.043.16 SR	05/15			11/15	05/16	100%	9/16
Sharpsburg Elementary Replacement 21.019.18 LP	5/17	8/17	2/18	8/18*	12/18	97%	8/20
Urban Educational Campus New 21.053.19 LP	5/18	6/17	11/17	3/18	8/18	97%	8/20
Smithsburg High Security Improvements 21.026.19 SSGP	6/19				8/20	95%	8/20
South Hagerstown High Roof Replacement-Ph. II 21.020.20 SR	06/19				6/20	99%	9/20
Boonsboro Middle Water Fixture 21.010.20 HSFF	10/19				8/20	99%	9/20
Cascade Elementary Water Fixture 21.023.20 HSFF	10/19				8/20	99%	9/20
Clear Spring High Water Fixture 21.005.20 HSFF	10/19				8/20	99%	9/20
Claud Kitchens Outdoor Water Fixture 21.048.20 HSFF	10/19				8/20	99%	9/20
Hancock Middle/High Water Fixture 21.025.20 HSFF	10/19				8/20	99%	9/20
Williamsport High Water Fixture 21.031.20 HSFF	10/19				8/20	99%	9/20
Smithsburg High HVAC Replacement 21.026.21/22 SR	5/20			2/21	5/21	95%	8/22
Western Heights Middle Roof Replacement 21.003.21 SR	5/20			1/21	8/22	5%	

[1] **ALL** PROJECTS INCLUDING SYSTEMIC RENOVATION, AGING SCHOOL, SCHOOL SAFETY, HEALTHY SCHOOLS FACILITY FUND AND QZAB.

* INDICATES DATE OF BOE APPROVAL.

STATUS OF PREVIOUSLY APPROVED PROJECTS

LEA: **Washington** FISCAL YEAR: **FY 2024**
DATE: **9/20/2022**

PROJECT TITLE and PSC NO.[1] (Chronological Order by Fiscal Year)	MONTH AND YEAR (00/00) OF STATE APPROVAL					Percent Construction Completed	Date Occupied
	IAC	SD	DD	CD	CONTRACT AWARD		
North Hagerstown High Chiller Replacement 21.024.21 SR	5/20			1/21	5/21	95%	6/22
Smithsburg Middle Fire Alarm Replacement 21.008.21 ASP	11/20			7/21	7/21	100%	10/21
Smithsburg High Roof Replacement 21.026.22 SR	5/21			5/22			
Paramount Elementary Roof Replacement 21.030.22 SR	5/21						
Eastern Elementary Roof Replacement 21.045.22 SR	5/21						
Wash. Co. Tech High Elec. Dist. Replacement 21.013.22 SR	5/21			2/22	5/22	5%	
Claud Kitchens Outdoor Site Improvements 21.048.21 SSGP	8/21				9/22		
Maugansville Elementary Security Vestibule 021.047.21 SSGP	8/21				2/22*	80%	8/22
South Hagerstown High Bleacher Replacement 21.020.22 ASP	8/21				9/22		
Eastern Elementary Termperature Regulation 21.045.22 HSFF	11/21						
North Hagerstown High Termperature Regulation 21.024.22 HSFF	11/21						
Pleasant Valley Elem. Plumbing Upgrade 21.022.22 HSFF	11/21						
South Hagerstown High Site Lighting 21.020.22 SSGP	12/21						
Boonsboro Middle Elec. Distribution Repl. 21.010.23 SR	5/22						

[1] **ALL** PROJECTS INCLUDING SYSTEMIC RENOVATION, AGING SCHOOL, SCHOOL SAFETY, HEALTHY SCHOOLS FACILITY FUND AND QZAB.
* INDICATES DATE OF BOE APPROVAL.

STATUS OF PREVIOUSLY APPROVED PROJECTS

LEA: **Washington** FISCAL YEAR: **FY 2024**

DATE: **9/20/2022**

PROJECT TITLE and PSC NO.[1] (Chronological Order by Fiscal Year)	MONTH AND YEAR (00/00) OF STATE APPROVAL					Percent Construction Completed	Date Occupied
	IAC	SD	DD	CD	CONTRACT AWARD		
Hancock Middle/Sr. High Boiler Replacement 21.025.23 SR	5/22						
Smithsburg Middle Roof Replacement 21.008.23 SR	5/22						
Wiliamsport Elementary Boiler Replacement 21.029.23 SR	5/22						
Williamsport Elementary Roof Replacement 21.029.23 SR	5/22						

[1] **ALL** PROJECTS INCLUDING SYSTEMIC RENOVATION, AGING SCHOOL, SCHOOL SAFETY, HEALTHY SCHOOLS FACILITY FUND AND QZAB.

* INDICATES DATE OF BOE APPROVAL.

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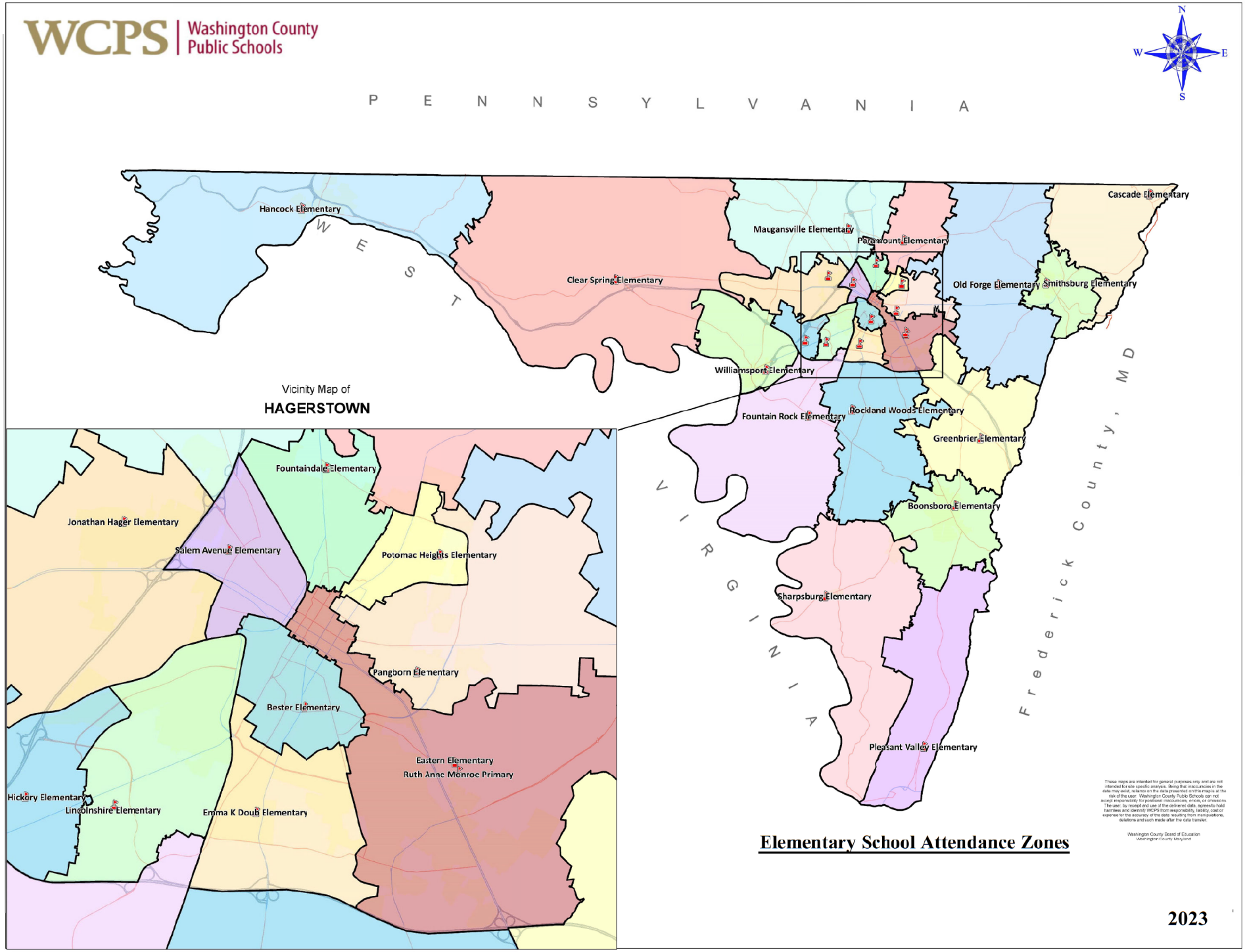

Elementary School Attendance Zones

2023

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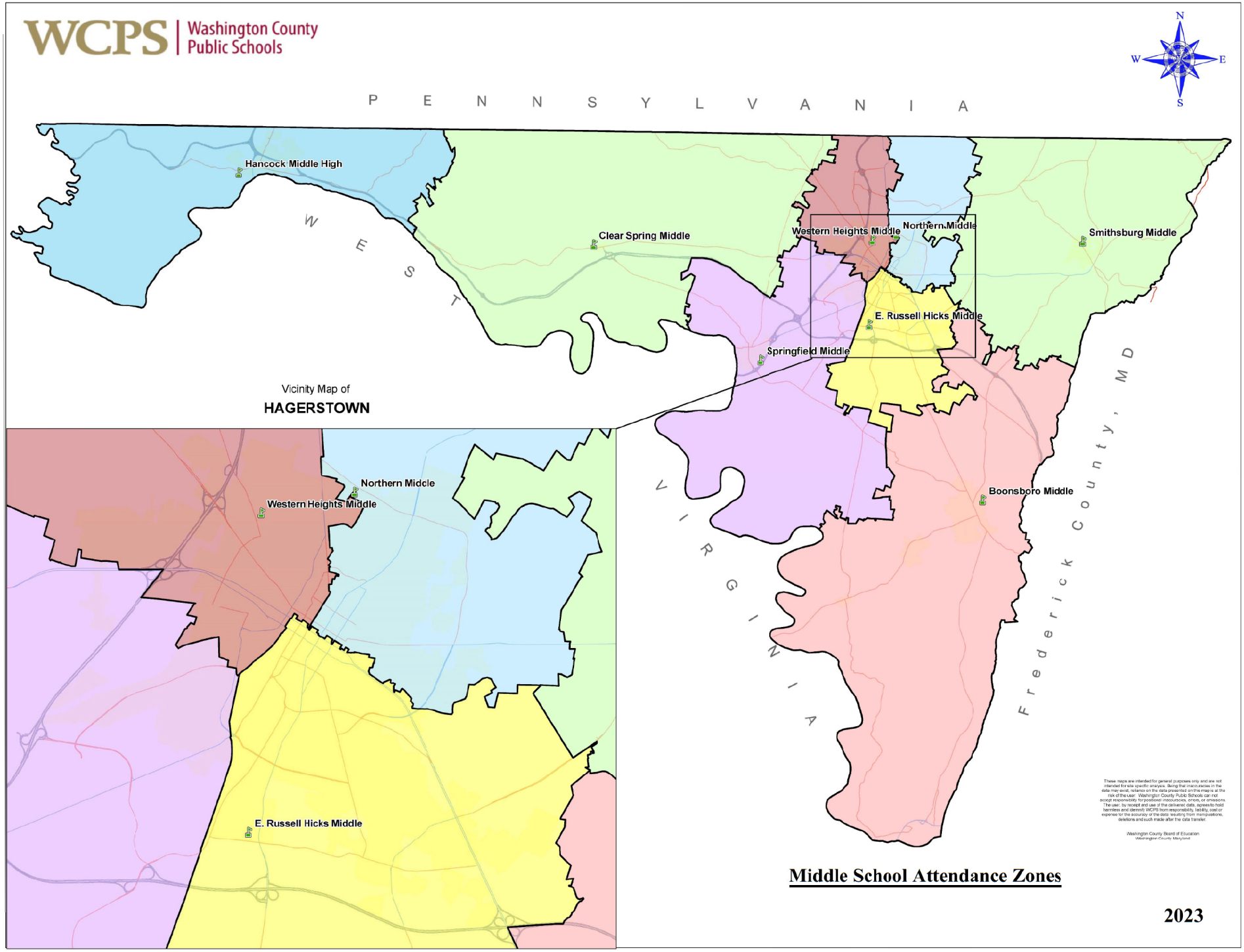
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P E N N S Y L V A N I A
Hancock Middle High
W E S T
Clear Spring Middle
Western Heights Middle
Northern Middle
Smithsburg Middle
E. Russell Hicks Middle
Springfield Middle
Vicinity Map of
HAGERSTOWN
Northern Middle
Western Heights Middle
E. Russell Hicks Middle
V I R G I N I A
Boonsboro Middle
Frederick County, MD
Middle School Attendance Zones
2023

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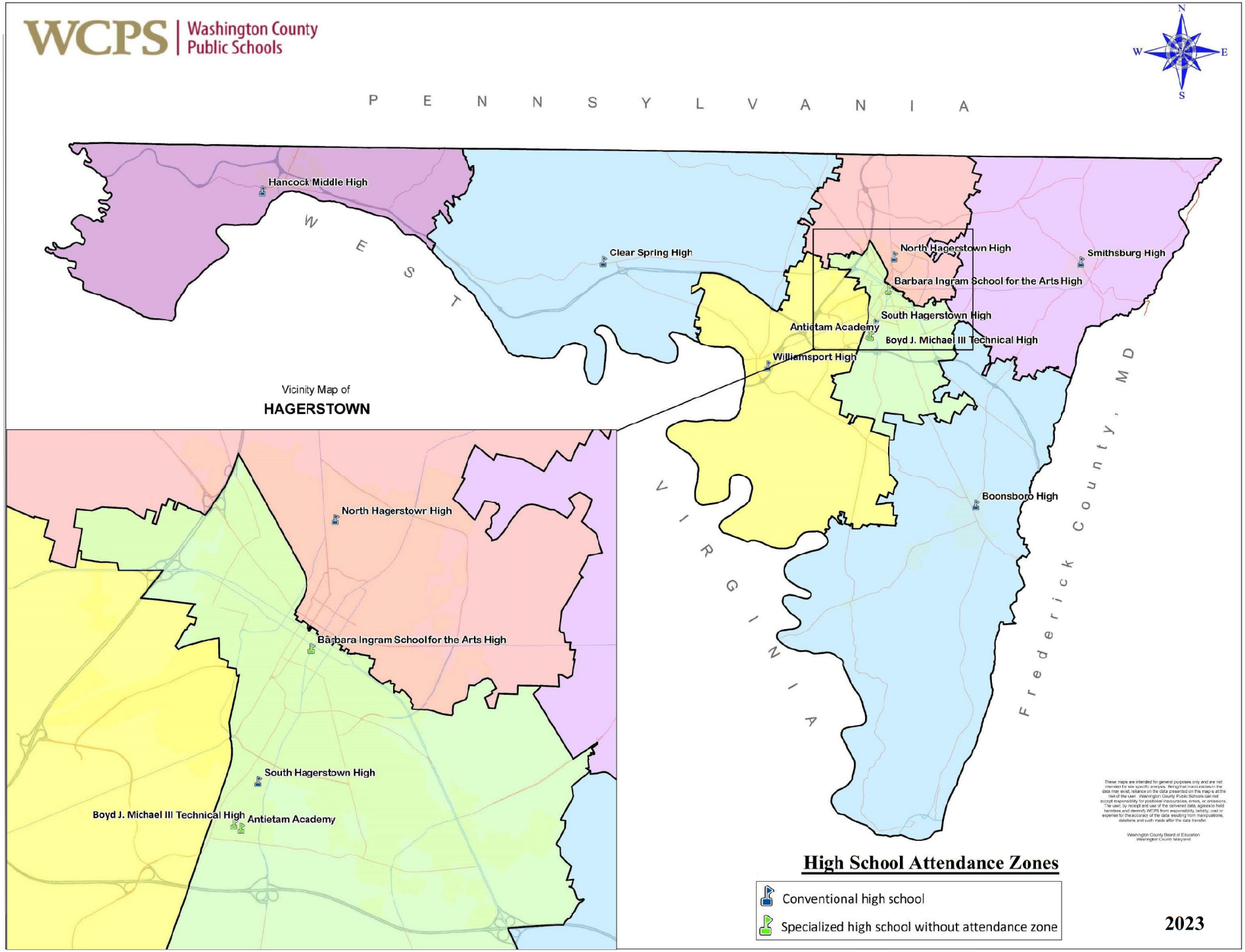

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