

Maintenance of Maryland's Public School Buildings

STATE OF MARYLAND
INTERAGENCY COMMISSION ON SCHOOL CONSTRUCTION

FY 2019 Annual Report

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TABLE OF CONTENTS

I. PreK-12 Public School Maintenance in Maryland	1
A. FY 2019 Program	1
<u>Table A:</u> LEA Maintenance Effectiveness Report	1
B. Background	2
C. Summary	4
<u>Table B:</u> Maintenance Survey Results, Fiscal Years 1981-2019	5
II. The Survey: Fiscal Year 2019	6
A. Procedures and Methods	6
B. FY 2019 Assessment Results	8
<u>Table C:</u> FY 2019 Maintenance Survey Results	9
Sample Assessment Sheet	16
FY 2019 LEA Maintenance Assessment Results: A District-by-District Overview	19

I. PRE K-12 PUBLIC SCHOOL MAINTENANCE IN MARYLAND

A. FY 2019 PROGRAM

The Interagency Commission on School Construction (IAC) is reporting on 231 maintenance effectiveness assessments performed in FY 2019 representing 16.7% of Maryland's PK-12 public schools. Until FY 2017, two IAC assessors visited each school facility in the State on an approximate 6-7 year cycle providing assessments of a uniform percentage of each LEA's total schools. This delivered comparable year-to-year and LEA-to-LEA performance metrics. Beginning in FY 2017, to provide more effective feedback to Maryland school systems, the IAC directed staff to alter the schedule in support of differential accountability so that poorer performing LEAs receive a higher percentage of assessments than higher performing LEAs.

Table A provides a summary of the maintenance effectiveness ratings of each LEA during the period of FY 2014 through FY 2019. The data show that eleven school systems achieved a high percentage of *Good* or *Superior* ratings; nine of these LEAs have portfolios with average adjusted ages between 17 and 27 years, which is below the statewide average of 30 years for square footage. The remaining two high-achieving LEAs have average adjusted ages of 30 and 32 years. Of the ten LEAs with *Not Adequate* or *Poor* ratings, four are younger than the average and six are older; five are the largest school systems (greater than 100 schools) and the other five are within the smallest (8 of 24 LEAs have 15 or fewer schools). The six-year summary, FY14 - FY19, includes the results of the latest year assessed. A six-year summary aligns with information included in the annual Managing for Results (MFR) submission.

TABLE A: LEA MAINTENANCE EFFECTIVENESS REPORT

LEA	LEA CHARACTERISTICS			SIX-YEAR SUMMARY, FY14 - FY19		
	TOTAL # OF SCHOOL FACILITIES as of 9/7/2018	FY 2019 Inspections by accountability	AVG. ADJUSTED AGE OF SCHOOLS as of 7/1/2018	# OF SCHOOLS ASSESSED FY14-19	% SUPERIOR + GOOD	% NOT ADEQUATE + POOR
TOTALS	1381	231		1338		
Allegany	22	4	35	21	76%	0%
Anne Arundel	120	24	29	131	61%	1%
Baltimore City	159	47	42	225	17%	11%
Baltimore Co	163	36	32	168	66%	0%
Calvert	26	1	24	16	100%	0%
Caroline	10	1	23	8	75%	0%
Carroll	40	1	27	25	92%	0%
Cecil	29	1	27	17	88%	0%
Charles	38	2	27	24	92%	0%
Dorchester	14	4	30	13	62%	0%
Frederick	66	1	26	35	100%	0%
Garrett	13	1	30	9	89%	0%
Harford	53	10	29	56	77%	2%
Howard	75	1	17	53	96%	0%
Kent	5	2	40	7	43%	0%
Montgomery	209	39	23	212	64%	1%
Prince George's	194	43	36	214	33%	8%
Queen Anne's	14	1	17	10	100%	0%
St. Mary's	27	3	22	24	83%	0%
Somerset	10	2	22	9	33%	0%
Talbot	9	1	18	8	88%	0%
Washington	47	1	32	25	96%	0%
Wicomico	24	1	27	16	94%	0%
Worcester	14	4	25	12	42%	0%

INTERAGENCY COMMISSION ON SCHOOL CONSTRUCTION
 LEA MAINTENANCE EFFECTIVENESS REPORT
 Avg FY 14-19 (Current Year + Last five Years)
 Updated 8/30/19

SUPERIOR	Superior plus Good = 96% or more
GOOD	Superior plus Good = 86% to 95%
ADEQUATE	Superior plus Good = 76% to 85%
NOT ADEQUATE	Superior plus Good = 66% to 75%
POOR	Superior plus Good = less th. 65%

B. BACKGROUND

In June of 1971, the Board of Public Works (BPW) established the Interagency Committee on School Construction (IAC), which is now the Interagency Commission on School Construction, pursuant to changes in Education Article, §5-302, and its staff. The BPW emphasized maintenance as being important to facilities ownership.

In 1973, the BPW directed the IAC to conduct a one-time comprehensive maintenance review of all operating public schools. The results revealed that about 21% of the State's 1,259 then-operative schools were in poor or fair condition. To improve upon those findings, comprehensive maintenance guidelines were developed by the IAC and approved by the BPW in 1974.

In 1980, the BPW directed the IAC to conduct a full maintenance survey of selected public schools that had received state funding assistance. The survey was performed by the Department of General Services (DGS). Its initial purpose was to assess the quality of local maintenance programs in 100 school facilities that had benefited from State school construction funding. Subsequently, annual assessments of approximately 100 schools representing a range of approximately 7-16% of each LEA's schools were authorized.

In 1981, a section covering maintenance was included in the Public School Construction Program Administrative Procedures Guide, and in 1994 a requirement was added that a Comprehensive Maintenance Plan (CMP) be submitted by each Local Education Agency (LEA) no later than October 15 of each year. A well-conceived CMP:

- provides an overview of the policies of the local board and a compendium of good maintenance practices;
- uses comparable metrics to determine if maintenance is being performed as required;
- addresses the planning, funding, reporting, and compliance monitoring of school maintenance; and
- lists the highest priority capital and repair projects, with the anticipated funding source for each project.

It is important that the local board's Educational Facilities Master Plan (EFMP), CMP, and annual Capital Improvement Program (CIP) are coordinated to ensure that maintenance-related capital projects are properly sequenced in relation to other facility needs that support the board's educational objectives, specifically, projects for enrollment capacity and projects that address educational program requirements.

In July 2005, the Capital Debt Affordability Committee (CDAC), consisting of the State Treasurer, the Comptroller, the Secretary of the Department of Budget and Management, the Secretary of Transportation, and a public member, requested that the IAC develop recommendations to ensure that Maryland's large investment in school facilities will be well protected through good maintenance practices. As a result, the IAC:

- Transferred the school maintenance survey function from DGS to the IAC beginning in FY 2007 and hired two full-time maintenance inspectors with experience in the fields of building maintenance, operations, and construction to conduct approximately 220 to 230 school assessments in the 24 school systems per year, as well as reassessments

of schools assessed in a prior fiscal year that received ratings of *Not Adequate* or *Poor*.¹

- Included maintenance assessment information as a component of the IAC Facilities Inventory database. This allows for longitudinal comparison of survey scores providing some value for analysis of statewide maintenance practices but it is not a computerized maintenance management system (CMMS) that would allow robust maintenance management and reporting.
- Issued, in response to a requirement of the General Assembly, “Guidelines for Maintenance of Public School Facilities in Maryland” in May 2008. The Guidelines are available on the IAC website at:
<http://www.pscp.state.md.us/Reports/Maintenance%20Guidelines%20DOC%20Final%207-15-08~3.pdf>.
- Continued to strengthen the alignment between the maintenance assessment program and the annual Public School Construction CIP:
 - Beginning with the FY 2010 CIP, LEAs were required to include the three most recent roof assessment reports as a threshold condition for approval of roof replacement projects.
 - LEAs have been encouraged to review total cost of ownership. The need for systemic projects will increase as the average age of facilities’ portfolios also continues to grow. Major renewal projects that reduce average age and address multiple deficiencies may provide the “biggest-bang-for-the-buck,” and extend the expected life of a facility.
 - The staff of the IAC has discussed maintenance budgets, staffing, and maintenance capital planning with LEAs in the annual October meetings regarding the CIP.
 - Members of the IAC have raised the subject of maintenance during the annual meeting in December at which local superintendents and their staff appeal staff recommendations for CIP funding.

Table B on Page 5 shows the ratings for all maintenance effectiveness assessments reported during the 39 fiscal years the surveys have been conducted, as well as the percentage of schools associated with each rating. There were 5,469 school maintenance assessments between FY 1981 and FY 2019, and 3,037 (~56%) received the highest rating categories of *Superior* and *Good*, while 277 (~5%) received ratings of *Not Adequate* and 36 (<1%) received ratings of *Poor*. The remaining 2,119 (~39%) schools received ratings of *Adequate*. Since FY 2008, 64 of the total number of assessments were reassessments of facilities that had received ratings of *Not Adequate* or *Poor* in a previous year.

¹ Assessments are not conducted for facilities on the campus of the Maryland School for the Blind (MSB), which is eligible for State school construction funding.

C. SUMMARY

Highly effective maintenance is critical to achieving fiscally sustainable school facilities. If maintenance is being performed effectively, and a facility's portfolio is young enough to benefit from efficiencies of preventive maintenance, then maintenance budgets may be sufficient. For fiscally sustainable facilities, the facilities must be maintainable and therefore, it is critical that maintenance, new, replacement, and renewal capital investment is sufficient and applied strategically. LEAs are improving their efficiency through the use of best practices, including expanding the use of computerized maintenance management systems (CMMS), training, and growing knowledge of lower total cost of ownership. It should be noted that budgets for maintenance often compete directly with educational budgets and therefore, planning and building right-sized school facilities that are affordable to operate over their whole life is essential to having highly functioning fiscally sustainable schools. There is a growing need for the State to leverage its resources to support the LEAs with facilities management tools such as a cloud-based CMMS, comparable facilities condition indexes, adequate facilities ownership cost accounting, provision of post-occupancy evaluations, performance benchmarks, direct technical support, and assisting with the sharing of best practices.

Maryland's General Assembly and the Administration have provided \$4.8 billion in capital funding between fiscal years 2006 and 2019 for public school construction. Maryland does not yet have robust and statewide comparable facilities data although this will be resolved when the statewide facility assessments are completed based on Facilities Educational Sufficiency Standards. The standards provide a uniform measure for the assessment of existing public school facilities with regard to capacity, physical attributes, and educational suitability. This should provide valuable insight into the understanding of the physical needs of Maryland school facilities in order to provide physical environments that support the effective delivery of education programs that meet Maryland's education standards and that can be effectively and efficiently maintained. The adopted standards can be found on the IAC website at <http://IAC.Maryland.gov>

Since total cost of ownership of school facilities continues to increase because of the trend of increasing size and expense of facilities, school facility size and total cost of ownership must be dominant in planning decisions, and the management and operation of school facilities must continuously improve in efficiency and effectiveness. Robust data driven facilities management is necessary to manage cost of ownership and sustain our schools.

TABLE B: MAINTENANCE SURVEY RESULTS FISCAL YEARS 1981-2019

NUMBER OF ASSESSMENTS PERFORMED WITH RATINGS AND PERCENTAGES

Fiscal Year	Superior/Good	Adequate	Not Adequate	Poor	Total	Reassessments included in total
1981	13	80	7	0	100	
1982	25	67	8	2	102	
1983	56	33	14	3	106	
1984	59	30	16	7	112	
1985	28	55	20	4	107	
1986	36	40	19	6	101	
1987	41	44	17	3	105	
1988	54	39	10	0	103	
1989	44	38	15	3	100	
1990	60	35	7	1	103	
1991	53	52	4	1	110	
1992	39	56	7	3	105	
1993	45	52	4	0	101	
1994	41	57	6	0	104	
1995	51	54	1	0	106	
1996	46	49	3	1	99	
1997	51	47	4	0	102	
1998	53	45	3	0	101	
1999	46	55	2	0	103	
2000	47	38	0	0	85	
2001	49	54	0	0	103	
2002	73	19	7	1	100	
2003	94	30	0	0	124	
2004	29	5	3	0	37	
2005	65	29	5	0	99	
2006	59	40	1	0	100	
2007	161	62	10	0	233 ⁽¹⁾	
2008	151	89	10	0	250	10
2009	69	71	5	0	145 ⁽²⁾	7
2010	130	54	3	0	187 ⁽²⁾	5
2011	162	66	4	1	233	3
2012	184	47	3	0	234	5
2013	162	60	10	0	232	
2014	148	70	8	0	226	5
2015	136	75	10	0	221	1
2016	153	71	3	0	227	7
2017	140	93	0	0	233	13
2018	88	101	10	0	199 ⁽³⁾	
2019	96	117	18	0	231	8
Total Ratings	3037	2119	277	36	5469	
Total Percentages	55.53%	38.75%	5.06%	0.66%	100%	

- (1) Increase associated with engagement of two full-time assessors in the Public School Construction Program.
- (2) Temporary reduction in number of assessments due to budgetary constraints.
- (3) Temporary reduction due to Maintenance Program staff turnover.

II. THE SURVEY: FISCAL YEAR 2019

A. PROCEDURES AND METHODS

- The FY 2019 maintenance effectiveness assessments were conducted between September 2018 and June 2019 by the IAC's two full-time maintenance assessors.
- The Interagency Commission on School Construction continues to evolve. In FY 2020, staffing has increased to four full time assessors performing maintenance effectiveness assessments all year round.
- The IAC notified each LEA of the selected schools two weeks prior to beginning the scheduled assessments. Questionnaires were sent to LEAs to gather general school facility information including maintenance records. Generally, a facility maintenance representative or a member of the school staff accompanies the assessors to answer questions and assist with access to secured areas.
- Of 233 schools assessed, results for 231 schools were included in the annual report. For fiscal year 2019, assessed schools that were found to have been replaced or fully renovated within the last two years, of which there were two, did not receive a rating due to the difficulty in assessing good maintenance at new schools and to eliminate unduly identifying schools to be singled out for superior maintenance.
- During each assessment, the assessors examined 35 different categories based on components and systems of the buildings, such as roofing, HVAC, electrical equipment, and parking lots. (See Sample Assessment Sheet, pages 16-18.) Each category was scored based on a combination of various observations and considerations: condition, performance, efficiency, PM record, and life expectancy of the various components and systems. The assessors' comments were recorded on the assessment form.
- Each of the 35 categories were evaluated and given a rating that ranged from *Poor* to *Superior*. Each rating was converted to a numerical score and multiplied by a predetermined factor or "weight" that indicates the impact that a failed or deficient component could have on life, safety, or health issues in the facility. Items not present in the facility or that could not be evaluated on the day of the assessment, such as a roof covered by snow, were indicated as *Not Applicable*.

Weighting Values and Description

- 3 - A serious and potentially urgent impact on safety and/or health
 - 2 - A serious but not immediate impact on safety and/or health
 - 1 - Less direct impact on safety and health
- Care is taken during the assessment to ensure that the age or demographics of the school do not affect the survey scores. If a school is well maintained and clean and has older equipment and components that are serviceable and not causing harm to other equipment and building components, it should receive a high score.
 - **It is important to note that the small sample sets from LEAs may vary considerably from year to year and may not be fully representative of the LEAs overall maintenance effectiveness.**

- Since regulations require that semi-annual roofing assessments are to be completed by the LEAs and reports kept on file for the life of the building, LEAs are requested to provide their last three (3) roof assessment reports. Warranties must be maintained in order to prevent unnecessary and costly premature replacement of the roof systems.
- In order to improve their efficiency and accountability, all 24 LEAs have, to varying degrees, implemented Computerized Maintenance Management System (CMMS) tools. School Dude is the most utilized brand although some LEAs use other systems. CMMS tools ease the regular performance of preventive maintenance tasks with automatically generated work orders. When fully implemented, the CMMS can provide valuable and transparent data for improving processes such as work order aging reports and the costs of performing maintenance. The assessors review CMMS generated reports provided by the LEAs at the time of assessment and when writing the maintenance assessment reports.
- A copy of each assessment and a cover letter was sent to the school system's superintendent and facilities maintenance director. Any building system that was rated *Poor* or *Not Adequate* required a follow-up response from the LEA stating either that the problem had been repaired or describing the method of corrective action that was planned in the near future. Similarly, if a category rated *Superior*, *Good*, or *Adequate* showed a specific deficiency, a follow-up response was also required. Responses are typically required from the LEA within 30 days of receipt of the letter and assessments. Any school that scores an overall rating of *Not Adequate* or *Poor* is required to be repaired to an acceptable condition or have its deficiencies reasonably addressed to the State's satisfaction, within a 60-day period, after which time a re-assessment is performed.

Overall Scoring Levels:

<u>Point Range</u>	<u>Nomenclature</u>
96 – 100	- <i>Superior</i>
86 – 95	- <i>Good</i>
76 – 85	- <i>Adequate</i>
66 – 75	- <i>Not Adequate</i>
0 – 65	- <i>Poor</i>

B. FY 2019 ASSESSMENT RESULTS

The specific ratings of schools assessed in each school district are shown in Table C “FY 2019 Maintenance Survey Results”.

Of the 231 reported school assessment results in FY 2019:

- 0 schools were rated *Superior*
- 96 schools were rated *Good*
- 117 schools were rated *Adequate*
- 18 schools were rated *Not Adequate*
- 0 schools were rated *Poor*

FY 2019 Maintenance Inspection Breakdown (223 inspections + 8 re-inspections)

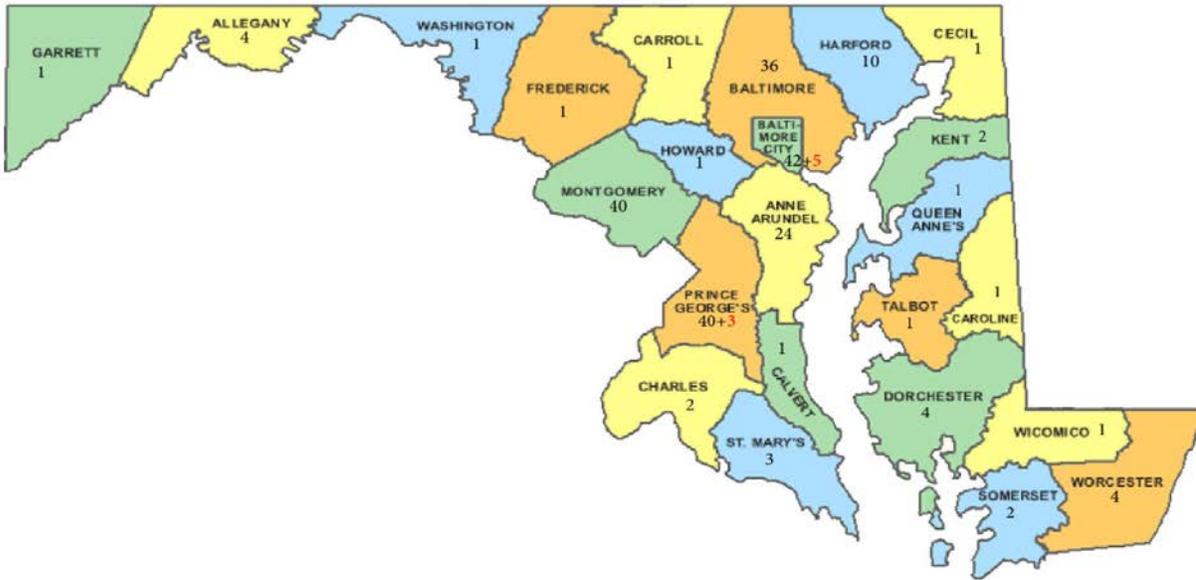


TABLE C: FY 2019 MAINTENANCE SURVEY RESULTS

LEA/School Name	PSC #	School Type	Area (Square Feet)	Rating
Allegany (4)				
Mt. Savage Elementary/Middle	01.025	PreK-8	116,623	Good
Cresaptown Elementary	01.032	Elementary	63,084	Good
Washington Middle	01.034	Middle	98,499	Adequate
Mountain Ridge High	01.037	High	165,382	Good
			443,588	
Anne Arundel (24)				
Center of Applied Technology North	02.006	Career Tech	148,634	Adequate
Central Special	02.014	Special Ed.	53,333	Good
Central Middle	02.018	Middle	158,125	Good
Center of Applied Technology South	02.019	Career Tech	91,507	Adequate
Ruth Parker Eason	02.039	Special Ed.	54,526	Good
Crofton Elementary	02.041	Elementary	86,640	Good
Shipley's Choice Elementary	02.049	Elementary	68,119	Adequate
North County High	02.054	High	331,764	Not Adequate
George Cromwell Elementary	02.063	Elementary	42,110	Good
Brooklyn Park Middle	02.092	Middle	248,809	Adequate
Jones Elementary	02.094	Elementary	48,772	Adequate
Marley Glen Special Education	02.095	Special Ed.	50,318	Good
Davidsonville Elementary	02.098	Elementary	78,725	Adequate
Waugh Chapel Elementary	02.102	Elementary	62,101	Adequate
Mayo Elementary	02.105	Elementary	60,648	Good
Oak Hill Elementary	02.107	Elementary	80,482	Adequate
Mary Moss @ J. Albert Adams Academy	02.110	Alternate	39,257	Good
Shady Side Elementary	02.113	Elementary	79,968	Adequate
Cape St. Claire Elementary	02.116	Elementary	84,647	Adequate
Overlook Elementary	02.119	Elementary	62,129	Adequate
Woodside Elementary	02.120	Elementary	64,963	Adequate
Belle Grove Elementary	02.121	Elementary	59,928	Good
Seven Oaks Elementary	02.129	Elementary	81,209	Good
Nantucket Elementary	02.131	Elementary	86,273	Good
			2,222,987	
Baltimore City (47)				
Dallas F. Nicholas Elementary # 039	30.020	Elementary	70,456	Adequate
Hampstead Hill Acad. PK-8 # 047	30.025	PreK-8	58,114	Good
Waverly PK-8 # 051	30.028	PreK-8	136,654	Good
Hampden PK-8 #055	30.030	PreK-8	64,760	Adequate
Thomas Johnson PK-8 # 084	30.044	PreK-8	68,850	Good
Collington Square PK-8 # 097	30.053	PreK-8	73,393	Adequate
George G. Kelson Building # 157	30.056	PreK-8	71,145	Adequate
Furman L. Templeton Elementary # 125	30.061	Elementary	81,485	Adequate
Westport PK-8 # 225	30.082	PreK-8	103,206	Not Adequate
Roland Park Elementary/Middle # 233	30.092	PreK-8	180,600	Adequate
Baltimore City College # 480	30.110	High	273,800	Adequate
Frederick Douglass HS # 450	30.111	High	252,371	Adequate

TABLE C: FY 2019 MAINTENANCE SURVEY RESULTS

LEA/School Name	PSC #	School Type	Area (Square Feet)	Rating
Baltimore City (Continued)				
Carver Vocational-Technical High CTE # 454	30.113	Career Tech	232,638	Adequate
Rosemont PK-8 # 063	30.127	PreK-8	78,500	Good
Liberty PK-5 # 064	30.135	Elementary	74,843	Adequate
Digital Harbor High # 416	30.146	High	284,640	Adequate
Paul Laurence Dunbar Middle Building #133	30.147	High	122,417	Adequate
Fallstaff PK-8 # 241	30.148	PreK-8	71,831	Adequate
Morrell Park PK-8 # 220	30.149	PreK-8	53,314	Adequate
Gardenville Elementary # 211	30.161	Elementary	40,500	Good
Canton Building # 230	30.166	Middle/High	97,568	Not Adequate
Baltimore Polytechnic Institute # 403	30.185	High	391,895	Adequate
Walbrook Building #411	30.188	Middle/High	346,700	Adequate
Brehms Lane ES # 231	30.191	Elementary	61,441	Adequate
Sinclair Lane Elementary # 248	30.193	Elementary	73,914	Good
Leith Walk PK-8 # 245	30.194	PreK-8	187,700	Adequate
Woodhome PK-8 # 205	30.196	PreK-8	66,325	Adequate
James McHenry Building # 010	30.197	PreK-8	94,719	Adequate
Edgecombe Circle PK-8 # 062	30.199	PreK-8	78,346	Good
The Historic Samuel Coleridge-Taylor Elementary # 122	30.203	Elementary	110,981	Adequate
Lombard Building # 057	30.223	Elementary	202,000	Adequate
Abbottston Building # 050	30.224	PreK-8	65,762	Good
Mergenthaler Vocational-Technical High CTE # 410	30.226	High	358,722	Adequate
Dr. Carter Goodwin Woodson PK-8 # 160	30.230	PreK-8	110,732	Adequate
Johnston Square Elementary # 016	30.234	Elementary	88,403	Adequate
Holabird PK-8 # 229	30.240	PreK-8	58,094	Adequate
Matthew A. Henson Elementary # 029	30.242	Elementary	81,609	Adequate
Curtis Bay PK-8 # 207	30.248	PreK-8	78,042	Adequate
Cecil Elementary # 007	30.250	Elementary	71,045	Adequate
Dickey Hill PK-8 # 201	30.255	PreK-8	80,734	Adequate
Callaway Elementary # 251	30.257	Elementary	77,850	Adequate
Thurgood Marshall Building #170 (form #77 Herring Run Jr)	30.264	Elementary/Middle	269,975	Adequate
Eutaw Marshburn Elementary # 011	30.267	Elementary	106,878	Adequate
The Mt. Washington School #221	30.268	Elementary/Middle	50,412	Adequate
Lakewood Early Learning Center # 086	30.269	Elementary	24,794	Good
Harlem Park PK-8 # 035	30.277	PreK-8	69,163	Adequate
Baltimore Leadership School for Young Women	30.284	Middle/High	58,374	Good
			5,755,695	
Baltimore County (36)				
Perry Hall Middle	03.007	Middle	228,228	Adequate
Pine Grove Elementary	03.009	Elementary	61,900	Good
Perry Hall High	03.011	High	272,234	Adequate
Winfield Elementary	03.027	Elementary	57,621	Adequate
Pikesville High	03.033	High	190,802	Good
Middle River Middle	03.046	Middle	125,410	Good
White Oak Special Education	03.065	Special Ed.	81,000	Good

TABLE C: FY 2019 MAINTENANCE SURVEY RESULTS

LEA/School Name	PSC #	School Type	Area (Square Feet)	Rating
Baltimore County (Continued)				
Timber Grove Elementary	03.077	Elementary	75,718	Adequate
Fort Garrison Elementary	03.090	Elementary	60,215	Good
Powhatan Elementary	03.092	Elementary	46,290	Good
Summit Park Elementary	03.093	Elementary	48,167	Good
George Washington Carver Center for Art	03.095	High	234,476	Good
Gunpowder Elementary	03.108	Elementary	55,990	Good
Logan Elementary	03.110	Elementary	63,190	Good
Joppa View Elementary	03.112	Elementary	65,967	Good
Northwest Academy of Health Sciences	03.115	Middle	149,315	Adequate
Battle Grove Elementary	03.116	Elementary	75,000	Good
Cromwell Valley Elementary Magnet	03.123	Elementary	57,344	Good
Pinewood Elementary	03.131	Elementary	63,227	Good
Loch Raven High	03.134	High	190,600	Adequate
Chase Elementary	03.135	Elementary	57,140	Adequate
Harford Hills Elementary	03.137	Elementary	51,695	Adequate
Dundalk High/Sollers Point Technical High	03.140	High	347,000	Good
Bear Creek Elementary	03.153	Elementary	68,490	Good
Loch Raven Technical Academy	03.154	Middle	139,355	Adequate
Grange Elementary	03.156	Elementary	58,125	Good
Middlesex Elementary	03.167	Elementary	66,315	Adequate
Deer Park Elementary	03.170	Elementary	60,304	Good
Battle Monument Special	03.172	Special Ed.	46,895	Adequate
Fifth District Elementary	03.178	Elementary	48,745	Good
Seneca Elementary	03.179	Elementary	50,635	Good
Winand Elementary	03.181	Elementary	71,695	Adequate
Wellwood International Elementary	03.183	Elementary	51,270	Good
Warren Elementary	03.193	Elementary	54,790	Good
New Town High School	03.196	High	209,609	Adequate
West Towson Elementary	03.215	Elementary	69,100	Good
			3,653,857	
Calvert (1)				
Sunderland Elementary	04.014	Elementary	69,494	Good
			69,494	
Caroline (1)				
North Caroline High	05.002	High	179,023	Adequate
			179,023	
Carroll (1)				
Eldersburg Elementary	06.020	Elementary	67,934	Good
			67,934	
Cecil (1)				
North East Middle	07.012	Middle	101,200	Adequate
			101,200	

TABLE C: FY 2019 MAINTENANCE SURVEY RESULTS

LEA/School Name	PSC #	School Type	Area (Square Feet)	Rating
Charles (2)				
Eva Turner Elementary	08.019	Elementary	64,207	Good
C. Paul Barnhart Elementary	08.034	Elementary	71,758	Good
			135,965	
Dorchester (4)				
Mace's Lane Middle	09.015	Middle	91,650	Good
Choptank Elementary	09.016	Elementary	45,815	Adequate
Judy Hoyer Center	09.017	Elementary	9,444	Good
North Dorchester Middle	09.019	Middle	92,941	Adequate
			239,850	
Frederick (1)				
Kempton Elementary	10.032	Elementary	53,800	Good
			53,800	
Garrett (1)				
Yough Glades Elementary	11.015	Elementary	36,750	Good
			36,750	
Harford (10)				
Edgewood High	12.009	High	268,354	Good
Youth's Benefit Elementary	12.011	Elementary	149,694	Good
Havre de Grace Elementary	12.028	Elementary	65,085	Not Adequate
Bel Air Middle	12.035	Middle	164,900	Adequate
Deerfield Elementary	12.037	Elementary	103,200	Good
Joppatowne High	12.046	High	184,070	Adequate
Churchville Elementary	12.051	Elementary	52,360	Good
Meadowvale Elementary	12.053	Elementary	69,000	Good
Patterson Mill Middle/High	12.057	Middle/High	265,000	Good
Red Pump Elementary	12.059	Elementary	100,573	Good
			1,422,236	
Howard (1)				
Centennial Lane Elementary	13.005	Elementary	65,519	Good
			65,519	
Kent (2)				
Rock Hall Elementary	14.004	Elementary	54,521	Adequate
Garnett Elementary	14.006	Elementary	59,009	Adequate
			113,530	
Montgomery (39)				
Takoma Park Middle	15.001	Middle	137,348	Adequate
Clarksburg Elementary	15.003	Elementary	54,983	Good
Richard Montgomery High	15.005	High	311,500	Good
Westbrook Elementary	15.017	Elementary	91,359	Adequate
Singer (Flora M.) Elementary	15.018	Elementary	95,831	Adequate
Belmont Elementary	15.021	Elementary	49,279	Good

TABLE C: FY 2019 MAINTENANCE SURVEY RESULTS

LEA/School Name	PSC #	School Type	Area (Square Feet)	Rating
Montgomery (Continued)				
Banneker (Benjamin) Middle	15.022	Middle	117,035	Adequate
Chevy Chase Elementary	15.032	Elementary	70,976	Good
Ridgeview Middle	15.042	Middle	145,168	Good
Northwood High	15.046	High	253,488	Adequate
Wheaton Woods Elementary	15.126	Elementary	120,154	Good
Stephen Knolls Special Education School	15.131	Special Ed.	48,872	Good
Sherwood High	15.135	High	333,154	Good
Wheaton High	15.141	High	373,825	Good
Clopper Mill Elementary	15.148	Elementary	64,851	Adequate
McAuliffe (Christa S.) Elementary	15.151	Elementary	77,240	Good
Clearspring Elementary	15.154	Elementary	77,535	Adequate
Frost (Robert) Middle	15.161	Middle	143,757	Adequate
Resnik (Judith A.) Elementary	15.165	Elementary	78,547	Adequate
Briggs Chaney Middle	15.167	Middle	115,000	Adequate
Montgomery Blair High	15.171	High	386,567	Adequate
Kennedy (John F.) High	15.172	High	280,048	Adequate
Pyle (Thomas W.) Middle	15.175	Middle	153,824	Good
Beverly Farms Elementary	15.183	Elementary	98,916	Good
Greenwood Elementary	15.192	Elementary	64,609	Good
N. Chevy Chase Elementary	15.195	Elementary	65,982	Good
Clarksburg High	15.196	High	344,574	Good
Cresthaven Elementary	15.201	Elementary	76,862	Good
Burning Tree Elementary	15.207	Elementary	68,119	Good
Westland Middle	15.215	Middle	146,006	Adequate
Laytonsville Elementary	15.221	Elementary	64,160	Good
Cloverly Elementary	15.234	Elementary	61,991	Adequate
Lakewood Elementary	15.257	Elementary	77,526	Good
Clemente (Roberto) Middle	15.259	Middle	148,246	Adequate
Lakelands Park Middle	15.261	Middle	153,588	Good
Rocky Hill Middle	15.262	Middle	148,065	Adequate
Shriver (Sargent) Elementary	15.267	Elementary	91,628	Adequate
Loiederman (A. Mario) Middle	15.268	Middle	131,746	Good
Great Seneca Creek Elementary	15.269	Elementary	82,511	Good
			5,404,870	
Prince George's (43)				
Stone (Thomas S.) Elementary	16.016	Elementary	64,324	Adequate
Beanes (William) Elementary	16.024	Elementary	56,175	Adequate
Williams (Phyllis E.) Elementary	16.050	Elementary	64,451	Adequate
Hollywood Elementary	16.068	Elementary	40,500	Adequate
Springhill Lake Elementary	16.075	Elementary	70,993	Not Adequate
Douglass (Frederick) High	16.083	High	184,417	Adequate
High Point High	16.085	High	318,376	Not Adequate
Tanglewood Regional School	16.099	Special Ed.	42,148	Not Adequate

TABLE C: FY 2019 MAINTENANCE SURVEY RESULTS

LEA/School Name	PSC #	School Type	Area (Square Feet)	Rating
Prince George's (Continued)				
Spellman (Gladys Noon) Elementary	16.107	Elementary	59,500	Adequate
Harrison (James H.) Elementary	16.113	Elementary	56,925	Adequate
Madison (James) Middle	16.114	Middle	129,348	Adequate
Beltsville Academy	16.115	PreK-8	110,597	Not Adequate
Glenridge Elementary	16.116	Elementary	109,197	Not Adequate
Pointer Ridge Elementary	16.119	Elementary	61,978	Adequate
Gourdine (Isaac J.) Middle	16.121	Middle	136,707	Not Adequate
Barnaby Manor Elementary	16.123	Elementary	54,726	Adequate
Bayne (John H.) Elementary	16.126	Elementary	49,779	Adequate
Glassmanor Elementary	16.141	Elementary	35,928	Adequate
Carrollton Elementary	16.142	Elementary	45,842	Adequate
Columbia Park Elementary	16.147	Elementary	57,372	Adequate
Paca (William) Elementary	16.161	Elementary	54,868	Adequate
Annapolis Road Academy	16.163	High	55,577	Not Adequate
Ardmore Elementary	16.164	Elementary	54,047	Adequate
Accokeek Academy Annex (H. Ferguson)	16.172	Elementary	67,538	Good
Hillcrest Heights Elementary	16.175	Elementary	70,800	Adequate
Princeton Elementary	16.176	Elementary	41,337	Adequate
Parkdale High	16.177	High	303,745	Adequate
Bladensburg High	16.180	High	304,000	Not Adequate
Wirt (William) Middle	16.183	Middle	106,318	Not Adequate
Woods, Sr. (Judge Sylvania W.) Elementary	16.190	Elementary	84,660	Adequate
Highland Park Elementary	16.192	Elementary	61,555	Not Adequate
Schmidt (William S.) Outdoor Education Center	16.199	Environmental E	37,790	Adequate
Seabrook Elementary	16.200	Elementary	39,704	Not Adequate
Glenn Dale Elementary	16.202	Elementary	44,644	Not Adequate
Gaywood Elementary	16.203	Elementary	42,416	Not Adequate
Gholson (G. James) Middle	16.208	Middle	115,868	Not Adequate
Gwynn Park Middle	16.211	Middle	129,348	Adequate
Potomac High	16.216	High	279,942	Adequate
Kenmoor Early Childhood Center	16.225	Special Ed.	43,997	Adequate
Panorama Elementary	16.230	Elementary	89,712	Adequate
Obama (Barack) Elementary	16.235	Elementary	82,759	Good
Wise, Jr. (Dr. Henry A.) High	16.254	High	432,579	Adequate
Vansville Elementary	16.255	Elementary	94,975	Good
			4,387,462	
Queen Anne's (1)				
Matapeake Middle School	17.025	Middle	110,427	Good
			110,427	

TABLE C: FY 2019 MAINTENANCE SURVEY RESULTS

LEA/School Name	PSC #	School Type	Area (Square Feet)	Rating
St. Mary's (3)				
Esperanza Middle	18.010	Middle	115,866	Adequate
Lexington Park Elementary	18.021	Elementary	56,000	Adequate
Hollywood Elementary	18.026	Elementary	57,565	Good
			229,431	
Somerset (2)				
Washington Academy & High School	19.002	Middle/High	130,000	Good
Deal Island Elementary School	19.007	Elementary	29,462	Adequate
			159,462	
Talbot (1)				
White Marsh Elementary	20.007	Elementary	43,465	Good
			43,465	
Washington (1)				
Salem Avenue Elementary	21.033	Elementary	79,084	Good
			79,084	
Wicomico (1)				
Wicomico High	22.009	High	195,941	Good
			195,941	
Worcester (4)				
Snow Hill High	23.005	High	122,310	Good
Ocean City Elementary	23.006	Elementary	87,477	Good
Snow Hill Middle	23.009	Elementary/Middle	90,000	Adequate
Cedar Chapel Special School	23.013	Special Ed.	17,175	Adequate
			316,962	

Total Number of Schools Assessed: 231

Total Square Feet Assessed: 25,488,532

Public School Construction Program School Inspection Report

LEA Name:
School Name:

Inspection Date:
Inspector:
LEA Representative:

PSC Number:

Year Constructed:

Total Adjusted Square Footage:

Site/Item (Weight)	Superior	Good	Adequate	Not Adequate	Poor	Not Applicable
1. Driveways & Parking Lots (1)						
2. Site & Site Structures (1)						
3. Site Utilities (2)						
4. Exterior Building Appearance (1)						
5. Playgrounds, Athletic Flds & Equip (1)						
6. Exterior Structural Condition (3)						
7. Gutters and Downspouts (2)						
8. Windows (2)						
9. Walkways (1)						
10. Entryways & Exterior Doors (3)						
11. Roof Conditions (3)						
12. Flashing & Gravel Stops (2)						
13. Roof Drains (2)						
14. Rooftop Equipment (2)						
15. Skylights & Monitors (2)						
16. Interior Appearance & Sanitation (2)						
17. Floors (2)						
18. Interior Walls (1)						
19. Interior Doors (2)						
20. Ceilings (1)						
21. Electrical Distribution (3)						
22. Electrical Service Equipment (3)						
23. Interior Lighting (2)						
24. Fire & Safety (3)						
25. Equipment Rooms (2)						
26. Boilers & Water Heaters (3)						
27. Air Conditioning (1)						
28. Ventilation Equipment (3)						
29. FCUs / Radiators / Wall Units (2)						
30. Steam Distribution (2)						
31. HVAC Controls (2)						
32. Hot/Chilled Water Distribution (1)						
33. Plumbing Fixtures/Equip, Restrooms (3)						
34. Sub Structure (3)						
35. Vertical Conveyance Systems (1)						
Total Items Per Category						

Overall Rating: ()

Superior=100-96 Good=95-86 Adequate=85-76 Not Adequate=75-66 Poor=65 and below

Survey ID:

PUBLIC SCHOOL INSPECTION REPORT - COMMENTS



School Name &

PSC Number: #N/A

#N/A

Report Date (s): #N/A

#N/A

SITE/ITEM	RATING	COMMENTS	Response Requested
1 DRIVEWAYS & PARKING LOTS	#N/A	#N/A	#N/A
LEA Response:			
2 SITE & SITE STRUCTURES	#N/A	#N/A	#N/A
LEA Response:			
3 SITE UTILITIES	#N/A	#N/A	#N/A
LEA Response:			
4 EXTERIOR BUILDING APPEARANCE	#N/A	#N/A	#N/A
LEA Response:			
5 PLAYGROUNDS, ATHLETIC FIELDS & EQUIPMENT	#N/A	#N/A	#N/A
LEA Response:			
6 EXTERIOR STRUCTURAL CONDITION	#N/A	#N/A	#N/A
LEA Response:			
7 GUTTERS & DOWNSPOUTS	#N/A	#N/A	#N/A
LEA Response:			
8 WINDOWS	#N/A	#N/A	#N/A
LEA Response:			
9 WALKWAYS	#N/A	#N/A	#N/A
LEA Response:			
10 ENTRYWAYS & EXTERIOR DOORS	#N/A	#N/A	#N/A
LEA Response:			
11 ROOF CONDITIONS	#N/A	#N/A	#N/A
LEA Response:			
12 FLASHING & GRAVEL STOPS	#N/A	#N/A	#N/A
LEA Response:			
13 ROOF DRAINS	#N/A	#N/A	#N/A
LEA Response:			
14 ROOFTOP EQUIPMENT	#N/A	#N/A	#N/A
LEA Response:			
15 SKYLIGHTS & MONITORS	#N/A	#N/A	#N/A
LEA Response:			
16 INTERIOR APPEARANCE & SANITATION	#N/A	#N/A	#N/A
LEA Response:			
17 FLOORS	#N/A	#N/A	#N/A
LEA Response:			
18 WALLS	#N/A	#N/A	#N/A
LEA Response:			
19 INTERIOR DOORS	#N/A	#N/A	#N/A
LEA Response:			
20 CEILINGS	#N/A	#N/A	#N/A
LEA Response:			
21 ELECTRICAL DISTRIBUTION	#N/A	#N/A	#N/A
LEA Response:			
22 ELECTRICAL SERVICE EQUIPMENT	#N/A	#N/A	#N/A
LEA Response:			
23 INTERIOR LIGHTING	#N/A	#N/A	#N/A
LEA Response:			
24 FIRE & SAFETY	#N/A	#N/A	#N/A
LEA Response:			
25 EQUIPMENT ROOMS	#N/A	#N/A	#N/A
LEA Response:			
26 BOILERS & WATER HEATERS	#N/A	#N/A	#N/A
LEA Response:			

PUBLIC SCHOOL INSPECTION REPORT - COMMENTS



School Name &

PSC Number: #N/A

#N/A

Report Date (s): #N/A

#N/A

SITE/ITEM	RATING	COMMENTS	Response Requested
27 AIR CONDITIONING	#N/A	#N/A	#N/A
LEA Response:			
28 VENTILATION EQUIPMENT	#N/A	#N/A	#N/A
LEA Response:			
29 FCUS/RADIATORS/WALL UNITS	#N/A	#N/A	#N/A
LEA Response:			
30 STEAM DISTRIBUTION	#N/A	#N/A	#N/A
LEA Response:			
31 HVAC CONTROLS	#N/A	#N/A	#N/A
LEA Response:			
32 Hot/CHILLED WATER DISTRIBUTION	#N/A	#N/A	#N/A
LEA Response:			
33 PLUMBING FIXTURES & EQUIPMENT, RESTROOMS	#N/A	#N/A	#N/A
LEA Response:			
34 SUB STRUCTURE	#N/A	#N/A	#N/A
LEA Response:			
35 VERTICAL CONVEYANCE SYSTEMS	#N/A	#N/A	#N/A
LEA Response:			

ADDITIONAL NOTES & COMMENTS
#N/A

FY 2019 LEA MAINTENANCE ASSESSMENT RESULTS: A DISTRICT-BY-DISTRICT OVERVIEW

The following reports provide an overview of maintenance assessments conducted at selected schools in each Maryland public school system. Each report provides general information about the school system, a listing of the schools that were assessed, and a brief narrative highlighting important aspects of the school system's maintenance program.

Note:

The definition of "**Adjusted Age**" of a school facility, found in the second column of the charts on the following pages, is the average age of the total square footage. For the purposes of calculating the Adjusted Age, renovated square footage is generally treated as new.

"**Original existing square footage**" as used in the narratives on the following pages refers to the construction dates of the existing square footage in a facility, regardless if renovated at a later date. For example, if a school first built in 1954 received additions in 1960, 1975 and 2003, and the 1954 portion was also demolished in 2003, the original existing square footage would then date from 1960 to 2003. If one other school in the same county is assessed in the same year, and it was built in 1962 and received a complete renovation and addition in 2010, then the original existing square footage for that school would date from 1962 to 2010; combined, the original existing square footage at these schools dates from 1960 to 2010.

Individual school reports are available upon request.

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Allegany County

Four schools were assessed in April 2019. Of the four schools assessed, Washington Middle has the oldest adjusted building age at 52 years old and still retains all its original square footage from when it was built in 1965. The other three schools have much lower adjusted building ages with Cresaptown Elementary at 22 years old, Mt. Savage Elementary/Middle at 20 years old and Mountain Ridge High at 12 years old.

All three of the schools with adjusted building ages 22 years or newer received *Good* overall ratings and did not have any *Poor* ratings in the individual categories. Even Washington Middle, with its older building age, received a high *Adequate* overall rating, an increase of 4 points since its previous assessment.

All four schools completed a security initiative project in 2014. Mt. Savage Elementary/Middle is scheduled for a roof replacement in the summer of 2019. Washington Middle received a lighting upgrade in 2014 and a roof replacement in 2015.

Allegany County Public Schools has achieved an average overall rating of assessed schools of *Good* nearly every year since 2007 when IAC took over maintenance assessments.

Generally, very good custodial care and maintenance awareness were noted, given the age of the facilities assessed; however, it is recommended that preventive maintenance efforts be given higher priority, most notably for roofs, ceiling tiles, filters and lighting, including emergency lights.



Mt. Savage Elementary/Middle

FY 2019

- 21 total active schools in system
- Avg. Adjusted Age, all schools: 1984
- 4 schools inspected: 1 Elementary, 1 Middle, 1 PreK-8, 1 High
- Results:
 - ✓ 0 Superior
 - ✓ 3 Good
 - ✓ 1 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Good (88.11)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Cresaptown Elementary	22	Good	7	18	5	3	0
2. Mountain Ridge High	12	Good	7	25	1	0	0
3. Mt. Savage Elementary/Middle	20	Good	1	23	5	2	0
4. Washington Middle	52	Adequate	5	9	17	2	1
Totals			20	75	28	7	1
Percentage of Total Ratings for System			15%	57%	21%	5%	2%

Anne Arundel County

Twenty-four schools were assessed in September and October 2018. The original existing square footage at these schools range from 1952 to 2018, with adjusted building ages ranging from 8 years to 61 years.

Due to inconsistency in inspecting the fire extinguishers monthly and annually or regularly test the emergency lighting, 13 out of the 24 assessed schools failed in the fire and safety category this year, 5 of which received a *Poor* score. The monthly and annual fire extinguisher assessments are a requirement and need to be completed at all schools. Emergency lighting must be operational and regularly tested for proper operation. In contrast, the floors were found to be well maintained and rated at either *Superior* or *Good* for every school assessed this year.

Of the 24 schools assessed this year, 11 earned an overall rating of *Good*, 12 reached a rating of *Adequate*, but one received a *Not Adequate* rating. In FY 2008, North County High earned an overall rating of *Good*, which has steadily decreased since, dropping 7 points by FY 2014 to an *Adequate* and almost another 6 points by FY 2019 to a *Not Adequate*. It was originally built in 1971, but was fully renovated in 1993; it received additions in 1993, 2002 and 2007 and has an adjusted age of 23 years. This year the school received a *Poor* score in 14 out of 34 assessed categories; many of this year's findings were repeat findings that were noted in the FY 2014 assessment, but appear to have never been repaired or improved upon. A complete evaluation should be considered.

This is the first year that AACPS has received an average overall rating of *Adequate*; until now, they had always earned an average overall rating of *Good*.



Jones Elementary

FY 2019

- 120 total active schools in system
 - Avg. Adjusted Age, all schools: 1990
 - 24 schools inspected: 15 Elementary, 2 Middle, 1 High, 1 Alternative, 2 Career Tech, 3 Special Education
- Results:
- ✓ 0 Superior
 - ✓ 11 Good
 - ✓ 12 Adequate
 - ✓ 1 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Adequate (84.68)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Belle Grove Elementary	8	Good	2	25	4	1	0
2. Brooklyn Park Middle	22	Adequate	1	16	5	6	5
3. Cape St. Claire Elementary	18	Adequate	0	15	10	4	3
4. Center of Applied Technology North	45	Adequate	0	14	3	11	4
5. Center of Applied Technology South	34	Adequate	0	14	13	2	0
6. Central Middle	29	Good	1	19	10	2	0
7. Central Special	43	Good	2	21	5	2	1
8. Crofton Elementary	31	Good	17	13	0	3	0
9. Davidsonville Elementary	15	Adequate	0	16	7	7	2
10. George Cromwell Elementary	55	Good	1	24	6	0	0
11. Jones Elementary	20	Adequate	0	20	6	6	0
12. Marley Glen Special Education	48	Good	0	21	8	1	0
13. Mary Moss @ J. Albert Adams Academy	61	Good	0	22	10	0	0
14. Mayo Elementary	14	Good	10	17	4	1	0
15. Nantucket Elementary	10	Good	1	23	6	1	0
16. North County High	23	Not Adequate	0	11	8	1	14
17. Oak Hill Elementary	30	Adequate	1	15	15	2	0
18. Overlook Elementary	8	Adequate	0	20	9	3	0
19. Ruth Parker Eason	35	Good	3	21	3	1	2
20. Seven Oaks Elementary	12	Good	0	24	6	1	0
21. Shady Side Elementary	44	Adequate	0	11	14	3	3
22. Shipley's Choice Elementary	31	Adequate	1	17	12	2	0
23. Waugh Chapel Elementary	40	Adequate	2	16	4	4	5
24. Woodside Elementary	43	Adequate	0	17	6	7	2
Totals			42	432	174	71	41
Percentage of Total Ratings for System			6%	57%	23%	9%	5%

Baltimore City

Forty-seven schools were assessed in February, March, and April 2019. Original existing square footage at these schools range from 1926 to 2016, with adjusted building ages ranging from 3 to 85 years. Through its 21st Century Schools Building Plan, Baltimore City has been working to modernize their public schools. Last year, Baltimore City Public Schools (BCPSS) was found to have an average adjusted age of 1976 for all its school facilities; this year, that age has been reduced by two years to 1978, making it tied with Kent County for oldest school facilities in the State. With 155 active schools in its inventory, this is a great accomplishment for BCPSS.

Mainly due to inconsistency in inspecting the fire extinguishers monthly and annually, this year, BCPSS seemed to struggle with the fire and safety category with 29 of the 47 assessed schools receiving a failing score. Plumbing also needs more attention as 25 schools received failing scores in the plumbing category. In contrast, the schools this year excelled at maintaining roof drains and flashing and gravel stops; 12 schools achieved *Superior* scores for roof drains, 9 schools earned *Good* scores for flashing and gravel stops and no schools failed in either category this year.

Routine full building assessments appear to be needed, most notably for pest management, assessment and maintenance of fire extinguishers. Currently, pest management personnel only visit areas based on complaints as lack of staffing does not allow for full building assessments; however, buildings have evidence of rodent infestation and roaches. Fire extinguishers are not being routinely assessed monthly or annually as required and many are missing from designated locations or not properly installed.

Last fiscal year, five of BCPSS's schools received a *Not Adequate* overall rating and needed to be reassessed this year. Of those five reassessed schools, only Canton Building and Westport PK-8 failed again, and were the only facilities to receive a failing rating this year; Dr. Carter G. Woodson PK-8, Frederick Douglass High School and Holabird PK-8 increased their scores enough to earn an *Adequate*.

Canton Building has no educational program at this time and has not housed students since FY 2014.

This building received a library/media center renovation in 2011 through QZAB and an upgrade to the security access control system in 2014. Currently, there are no custodians in the building and only minor maintenance tasks are being

performed.

The conditions at this school have deteriorated since last year's IAC assessment. BCPSS is currently determining the future of this building, but it is not certain it will reopen.

Westport PK-8, on the other hand, is an actively used school and currently houses over 300 students. BCPSS and the State are still investing in systemic renovations and this school has recently received several projects including one for fire safety in 2014, a media center renovation in 2015 and an exterior site project in 2016; a boiler project has also been approved for 2019. Since last year, it appears that only minor repairs have been attempted, but most conditions did not improve and new problems have now arisen; this school remains *Not Adequate* this year. Vandalism continues to cause damage to the building and a solution is needed.

For the seventh year in a row, BCPSS has obtained an average overall rating of *Adequate*.



Historic Samuel Coleridge-Taylor Elem.

FY 2019

- 155 total active schools in system
- Avg. Adjusted Age, all schools: 1978
- 47 schools inspected: 14 Elementary, 21 PK-8, 2 Elementary/Middle, 3 Middle/High, 6 High, 1 Career Tech
- Results:
 - ✓ 0 Superior
 - ✓ 10 Good
 - ✓ 35 Adequate
 - ✓ 2 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Adequate (82.03)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Abbottston Building # 050	15	Good	0	25	5	3	0
2. Baltimore City College # 480	85	Adequate	0	15	8	5	6
3. Baltimore Leadership School for Young Women	9	Good	1	20	8	3	0
4. Baltimore Polytechnic Institute # 403	51	Adequate	0	19	9	5	0
5. Brehms Lane ES # 231	25	Adequate	1	12	10	7	3
6. Callaway Elementary # 251	49	Adequate	5	13	4	9	2
7. Canton Building # 230	35	Not Adequate	0	0	18	4	7
8. Carver Vocational-Technical High CTE # 454	10	Adequate	0	23	6	5	0
9. Cecil Elementary # 007	19	Adequate	0	12	12	8	0
10. Collington Square PK-8 # 097	52	Adequate	2	7	15	3	5
11. Curtis Bay PK-8 # 207	53	Adequate	0	4	22	4	1
12. Dallas F. Nicholas Elementary # 039	41	Adequate	2	15	10	4	0
13. Dickey Hill PK-8 # 201	53	Adequate	0	9	20	2	0
14. Digital Harbor High # 416	14	Adequate	0	5	9	12	1
15. Dr. Carter Goodwin Woodson PK-8 # 160	67	Adequate	0	5	13	8	6
16. Edgewood Circle PK-8 # 062	56	Good	0	20	13	1	0
17. Eutaw Marshburn Elementary # 011	51	Adequate	2	9	12	9	1
18. Fallstaff PK-8 # 241	61	Adequate	8	6	8	13	0
19. Frederick Douglass HS # 450	34	Adequate	1	6	14	12	2
20. Furman L. Templeton Elementary # 125	45	Adequate	1	13	20	1	0
21. Gardenville Elementary # 211	36	Good	1	17	9	1	0
22. George G. Kelson Building # 157	45	Adequate	2	11	16	2	0
23. Hampden PK-8 #055	40	Adequate	0	14	14	3	0
24. Hampstead Hill Acad. PK-8 # 047	28	Good	1	23	3	4	0
25. Harlem Park PK-8 # 035	55	Adequate	1	10	17	5	1
26. Holabird PK-8 # 229	57	Adequate	0	6	11	13	1
27. James McHenry Building # 010	50	Adequate	6	8	12	6	2
28. Johnston Square Elementary # 016	54	Adequate	1	12	10	8	1
29. Lakewood Early Learning Center # 086	52	Good	4	15	11	0	0
30. Leith Walk PK-8 # 245	5	Adequate	0	19	10	4	0
31. Liberty PK-5 # 064	38	Adequate	1	12	10	10	0
32. Lombard Building # 057	57	Adequate	0	3	19	6	3
33. Matthew A. Henson Elementary # 029	55	Adequate	1	14	12	5	2
34. Mergenthaler Vocational-Technical High CTE #410	17	Adequate	0	10	18	5	0
35. Morrell Park PK-8 # 220	40	Adequate	0	8	16	8	0
36. Paul Laurence Dunbar Middle Building #133	35	Adequate	3	14	6	6	2
37. Roland Park Elementary/Middle # 233	32	Adequate	1	11	15	7	0
38. Rosemont PK-8 # 063	46	Good	2	22	4	4	1
39. Sinclair Lane Elementary # 248	61	Good	5	17	7	4	0
40. The Historic Samuel Coleridge-Taylor Elementary # 122	46	Adequate	5	13	8	5	2
41. The Mt. Washington School #221	57	Adequate	3	12	11	7	0
42. Thomas Johnson PK-8 # 084	38	Good	1	19	5	2	0
43. Thurgood Marshall Building #170	57	Adequate	3	6	10	14	0
44. Walbrook Building #411	27	Adequate	0	6	11	15	0
45. Waverly PK-8 # 051	3	Good	6	16	6	6	0
46. Westport PK-8 # 225	42	Not Adequate	0	1	18	9	5
47. Woodhome PK-8 # 205	50	Adequate	0	10	21	3	0
Totals			70	567	546	280	54
Percentage of Total Ratings for System			5%	37%	36%	18%	4%

Baltimore County

Thirty-six schools were assessed in January and February 2019. Original existing square footage at these schools range from 1959 to 2017 with adjusted building ages ranging from 2 to 59 years.

Of the 36 schools assessed this fiscal year, 29 had adjusted building ages of 30 years or more. Grange Elementary was built in 1960, received an addition in 1968, but has never had any renovations, making its adjusted building age 59 years, the oldest of any assessed school this year. Despite its age, it appears to be well maintained. BCPS has focused on systemic renovations rather than building renovations; Grange Elementary completed an HVAC project in 2018, a roofing project in 2013 and a window replacement project in 2007. This year Grange Elementary earned a *Superior* score in 11 out of 32 assessed categories and an overall rating of *Good*.

BCPS completed LED upgrades to a majority of its facilities in 2018. Out of the 36 assessed schools, 23 achieved *Superior* scores for interior lighting; the other 13 schools earned *Good* scores for that category. Conversely, BCPS's schools this year seemed to struggle with site utilities, plumbing, and roofing more than most other areas. Of the 36 assessed schools, 17 received failing scores for site utilities and 15 for plumbing. For the roofing categories, 11 schools received failing scores for roof conditions, 5 of which received the lowest score of *Poor* in that category, 9 failed for the flashing and gravel stops category, 9 for rooftop equipment and 7 for roof drains.

All schools assessed this year received *Good* or *Adequate* ratings. As with other large school systems, maintaining a large inventory of this age can be challenging. With the exception of FY 2018, Baltimore County Public Schools has consistently received an average overall rating of *Good*.



Fifth District Elementary

FY 2019

- 164 total active schools in system
- Avg. Adjusted Age, all schools: 1987
- 36 schools inspected: 24 Elementary, 4 Middle, 6 High, 2 Special Education
- Results:
 - ✓ 0 Superior
 - ✓ 23 Good
 - ✓ 13 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Good (85.99)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Battle Grove Elementary	58	Good	3	18	6	3	1
2. Battle Monument Special	55	Adequate	0	14	10	7	0
3. Bear Creek Elementary	40	Good	1	19	11	1	0
4. Chase Elementary	45	Adequate	0	23	7	4	0
5. Cromwell Valley Elementary Magnet	36	Good	2	23	6	1	0
6. Deer Park Elementary	31	Good	1	16	7	2	0
7. Dundalk High/Sollers Point	5	Good	10	14	4	5	0
8. Fifth District Elementary	47	Good	7	17	5	2	2
9. Fort Garrison Elementary	52	Good	7	8	7	4	0
10. George Washington Carver Center	6	Good	3	29	1	0	0
11. Grange Elementary	59	Good	11	16	0	4	1
12. Gunpowder Elementary	31	Good	4	13	10	3	1
13. Harford Hills Elementary	37	Adequate	1	19	5	5	2
14. Joppa View Elementary	28	Good	0	24	7	0	0
15. Loch Raven High	45	Adequate	1	13	7	10	1
16. Loch Raven Technical Academy	10	Adequate	3	21	1	4	3
17. Logan Elementary	34	Good	10	13	3	4	3
18. Middle River Middle	38	Good	2	20	6	2	0
19. Middlesex Elementary	40	Adequate	1	17	3	10	1
20. New Town High School	16	Adequate	0	19	7	5	2
21. Northwest Academy of Health	30	Adequate	1	16	5	7	0
22. Perry Hall High	43	Adequate	0	17	13	3	0
23. Perry Hall Middle	30	Adequate	1	17	8	7	0
24. Pikesville High	2	Good	1	24	4	3	0
25. Pine Grove Elementary	33	Good	1	19	5	2	0
26. Pinewood Elementary	33	Good	3	19	1	5	0
27. Powhatan Elementary	35	Good	5	15	2	4	1
28. Seneca Elementary	35	Good	3	18	5	5	0
29. Summit Park Elementary	32	Good	5	16	7	3	2
30. Timber Grove Elementary	35	Adequate	1	14	10	7	0
31. Warren Elementary	48	Good	1	20	5	0	0
32. Wellwood International Elementary	41	Good	1	25	5	1	0
33. West Towson Elementary	9	Good	16	8	2	6	0
34. White Oak Special Education	42	Good	4	17	6	2	0
35. Winand Elementary	33	Adequate	1	14	11	4	1
36. Winfield Elementary	32	Adequate	0	15	6	6	5
Totals			111	630	208	141	26
Percentage of Total Ratings for System			10%	56%	19%	13%	2%

Calvert County

One school was assessed in September 2018. Sunderland Elementary School was constructed in 1988 and received an addition in 2005; its adjusted building age is 25 years.

Sunderland Elementary has benefited from some State-funded capital improvements, including two roof restoration and replacement projects in 2012 and 2015; the roof was found to still be in *Superior* condition this year. The facility earned ratings of either *Superior* or *Good* in all but two categories. In those two, only minor repairs appeared to be needed to move the ratings to *Good*.

This is the sixth year in a row that Calvert County has received *Good* for its overall rating of assessed schools for the fiscal year. Calvert County has received either a *Superior* or *Good* overall rating every year since the IAC took over maintenance assessments in 2007.



Sunderland Elementary

FY 2019

- 26 total active schools in system
- Avg. Adjusted Age, all schools: 1997
- 1 school inspected: 1 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (92.65)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Sunderland Elementary	25	Good	10	22	2	0	0
Totals			10	22	2	0	0
Percentage of Total Ratings for System			29%	65%	6%	0%	0%

Caroline County

One school was assessed in May 2019. Original existing square footage at this school dates from 1990 to 2002 and its adjusted building age is 18 years.

North Caroline High was originally built in 1959, but was eventually fully renovated through several projects in 1990, 1998 and 2002. This facility has also received several State-funded capital improvements through the Aging Schools Program and Security Initiative Funding. This school received a systemic renovation project to install a solar power system in 2014.

Although North Caroline High earned an overall *Adequate* rating, five categories received failing scores during this year's assessment, with ceilings receiving the only *Poor* rating. Stained ceiling tiles throughout the building need to be replaced, especially if mold is suspected, to ensure indoor air quality is maintained for students and staff. The cause of the stains needs to be identified and repaired; ceiling-mounted fan coil units should be examined for leaks.



North Caroline High

FY 2019

- 10 total active schools in system
- Avg. Adjusted Age, all schools: 1995
- 1 school inspected: 1 High
- Results:
 - ✓ 0 Superior
 - ✓ 0 Good
 - ✓ 1 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Adequate (82.77)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. North Caroline High	18	Adequate	0	16	12	4	1
Totals			0	16	12	4	1
Percentage of Total Ratings for System			0%	48%	36%	12%	3%

Carroll County

One school was assessed in October 2018. Eldersburg Elementary School's original existing square footage ranges from 1970 to 2014, and has an adjusted age of 31 years.

Eldersburg Elementary was built in 1970. Additional square footage was added in 2006 for three kindergarten classrooms. In 2014, part of the original 1970 building was renovated with the aid of State funding. The roofs date back to 2000 and 2006 and were found to be in *Good* condition.

This school has benefited from some State-funded capital improvement projects, including several minor upgrades through the Aging Schools Program Funding (ASP) and a lighting project in 2014. All assessment categories were rated as either *Superior* or *Good*, with the exception of only one category which appears that it could be improved with only minor repairs.

Carroll County Public Schools received an overall rating of *Good* again this year, as it has for the previous five years – evidence that maintenance and care of school facilities is highly prioritized by this LEA. Carroll County has received either a *Superior* or *Good* overall rating every year since the IAC took over the maintenance assessments in 2007.



Eldersburg Elementary

FY 2019

- 40 total active schools in system
- Avg. Adjusted Age, all schools: 1991
- 1 school inspected: 1 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (93.77)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Eldersburg Elementary	31	Good	11	18	1	0	0
Totals			11	18	1	0	0
Percentage of Total Ratings for System			37%	60%	3%	0%	0%

Cecil County

One school was assessed in October 2018. Original existing square footage at North East Middle School dates from 1932 to 1973, with an adjusted building age of 68 years.

This facility was constructed in 1932 and received additions in 1953, 1956 and 1973. This older facility has never been renovated, but has received many small upgrades through the Aging Schools Program Funding (ASP).

All categories received a passing score with the exception of three which received *Not Adequate* ratings. Of those three categories, two categories, roof conditions and flashing and gravel stops, were in relation to the roofs. The first and second level roofs were replaced in 1989 while the 1932 slate roof is still the original; the roofs are aged and failing.

Despite its age, North East Middle's overall rating is on the high end of the *Adequate* range. This is the first time since the IAC took over maintenance assessments in 2007 that Cecil County Public Schools has not received either a *Superior* or *Good* overall rating.



North East Middle

FY 2019

- 29 total active schools in system
- Avg. Adjusted Age, all schools: 1992
- 1 school inspected: 1 Middle
- Results:
 - ✓ 0 Superior
 - ✓ 0 Good
 - ✓ 1 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Adequate (83.85)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. North East Middle	68	Adequate	0	16	14	3	0
Totals			0	16	14	3	0
Percentage of Total Ratings for System			0%	48%	42%	9%	0%

Charles County.....

Two schools were assessed in September 2018. The original existing square footage at these schools range from 1979 to 2011, with adjusted building ages of 24 and 35 years.

C. Paul Barnhart Elementary was built in 1994 and received an addition in 2009. Eva Turner Elementary was built in 1979 and received additions in 1995 and 2011. All categories received a passing score except for one category at C. Paul Barnhart Elementary, where additional maintenance appears to be needed on the roof's lap seam and expansion joints in order to improve the roof conditions. Both schools received *Superior* ratings for their roof drains and equipment rooms. Neither school has been renovated, but both have received minor upgrades over the years through QZAB, ASP, and other supplemental appropriations.

Both schools received an overall rating of *Good*. Charles County Public Schools has consistently maintained an average overall rating of *Good* every year since 2007 when the IAC took over assessments, affirming the good maintenance practices exercised throughout by this LEA.



C. Paul Barnhart Elementary

FY 2019

- 39 total active schools in system
- Avg. Adjusted Age, all schools: 1992
- 2 schools inspected: 2 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 2 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Good (90.01)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. C. Paul Barnhart Elementary	24	Good	11	20	2	1	0
2. Eva Turner Elementary	35	Good	3	21	7	0	0
Totals			14	41	9	1	0
Percentage of Total Ratings for System			22%	63%	14%	2%	0%

Dorchester County

Four schools were assessed in June 2019. Original existing square footage range from 1957 to 2009 with adjusted building ages from 10 years up to 59 years.

The windows and interior lighting received the best scores overall this year with three schools earning a *Good* rating and one school earning a *Superior* rating for each category. Plumbing and interior appearance/sanitation were the lowest-rated categories this year; two schools received failing scores for these categories.

Of the four schools assessed this year, two earned an overall rating of *Good* while the other two received an *Adequate* rating. Despite being constructed in 2009, North Dorchester Middle received *Not Adequate* scores for seven out of 35 categories and was one of the two schools that received an *Adequate* overall rating. Routine cleanings and required preventive maintenance assessments do not appear to be performed as often or effectively as needed which has started to affect the appearance and functionality at this 10-year-old school.

This is the seventh year in a row that Dorchester County Public Schools has received an average overall rating of *Good* for their assessed schools.



North Dorchester Middle

FY 2019

- 14 total active schools in system
- Avg. Adjusted Age, all schools: 1988
- 4 schools inspected: 2 Elementary, 2 Middle
- Results:
 - ✓ 0 Superior
 - ✓ 2 Good
 - ✓ 2 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Good (85.84)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Choptank Elementary	22	Adequate	0	18	9	4	0
2. Judy Hoyer Center	59	Good	2	23	4	3	0
3. Mace's Lane Middle	15	Good	0	26	6	0	0
4. North Dorchester Middle	10	Adequate	2	16	7	7	0
Totals			4	83	26	14	0
Percentage of Total Ratings for System			3%	65%	20%	11%	0%

Frederick County

One school was assessed in October 2018. Original existing square footage at this school dates from 1981, and the building has an adjusted age of 38 years.

Kempton Elementary received a passing score for every category on the assessment report. This school has not received any additions or renovations since it was built in 1981, but has benefited from minor upgrades through the Aging Schools Program Funding (ASP), Security Initiative Funding and Capital Improvement Funding (CIP). Recent projects include a chiller replacement in 2010 as well as the replacement of the original generator and transfer switch in 2016.

This is the eighth year in a row, that every school assessed has received an overall rating of *Superior* or *Good*, which is a testament to the very good maintenance practices administered by Frederick County Public Schools. FCPS has a reputation built upon meeting high standards. Recently, they received the *2018 Pinnacle of Excellence Award* from the Association of School Business Officials International (ASBO).



Kempton Elementary

FY 2019

- 66 total active schools in system
- Avg. Adjusted Age, all schools: 1993
- 1 school inspected: 1 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (88.89)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Kempton Elementary	38	Good	0	26	5	0	0
Totals			0	26	5	0	0
Percentage of Total Ratings for System			0%	84%	16%	0%	0%

Garrett County

One school was assessed in April 2019. Yough Glades Elementary was built in 1998 and has not received any additions or renovations; it has an adjusted building age of 21 years.

Yough Glades Elementary has benefited from several capital improvements projects in recent years, including an energy efficiency initiative project in 2015 and water fixture and building envelope upgrades in 2016. All assessed categories received a passing score with the exception of the playground equipment; the replacement or repair of deteriorated rubberized surfaces and damaged steel platforms is needed in order to increase this category's score.

Garrett County achieved an overall rating of *Good* which is an improvement from last year. GCPS typically earns an overall rating of *Good* or *Superior*.



Yough Glades Elementary

FY 2019

- 13 total active schools in system
- Avg. Adjusted Age, all schools: 1988
- 1 schools inspected: 1 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (88.62)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Yough Glades Elementary	21	Good	4	17	7	1	0
Totals			4	17	7	1	0
Percentage of Total Ratings for System			14%	59%	24%	3%	0%

Harford County

Ten schools were assessed in October 2018. Original existing square footage at these schools range from 1961 to 2017, with adjusted ages ranging from 2 to 49 years.

Of the ten schools assessed this year, only one did not receive a passing overall rating; Havre de Grace Elementary failed in 18 out of 33 rated categories and is the first school in Harford County to ever receive a *Not Adequate* overall rating. This school was reported to have continuous plumbing concerns that require funding to repair, but HCPS has not requested any State-funded projects to fix these issues; the most recent projects at this school include upgrades to security in 2019 and 2014, and a chiller replacement and boiler control upgrades in 2012.

HCPS could benefit from routine daily assessments to aid in identifying and preserving their schools' ceilings; half of the schools assessed received *Not Adequate* or *Poor* scores in that category. On the other hand, driveways and parking lots are very well maintained; three schools achieved *Superior* scores while the other seven schools earned *Good* scores.

Maintenance of aging buildings becomes more difficult and costly as systems start to reach their end of life or fail. Of the ten schools assessed, the only two schools that received an overall rating of *Adequate* both had adjusted building ages of 40 years or more. With the exception of Havre de Grace Elementary, all schools with adjusted building ages of less than 30 years received an overall rating of *Good*.

Harford County Public Schools has consistently maintained an average overall rating of *Good* every year since the IAC took over assessments in 2007.



Churchville Elementary

FY 2019

- 53 total active schools in system
- Avg. Adjusted Age, all schools: 1989
- 10 schools inspected: 6 Elementary, 1 Middle, 1 Middle/High, 2 High
- Results:
 - ✓ 0 Superior
 - ✓ 7 Good
 - ✓ 2 Adequate
 - ✓ 1 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Good (87.51)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Bel Air Middle	49	Adequate	1	19	6	5	1
2. Churchville Elementary	21	Good	6	22	1	2	2
3. Deerfield Elementary	9	Good	4	25	2	1	0
4. Edgewood High	9	Good	15	15	1	1	0
5. Havre de Grace Elementary	24	Not Adequate	1	10	4	12	6
6. Joppatowne High	40	Adequate	0	24	6	5	0
7. Meadowvale Elementary	18	Good	1	20	8	3	0
8. Patterson Mill Middle/High	12	Good	10	14	6	2	0
9. Red Pump Elementary	8	Good	5	24	3	0	0
10. Youth's Benefit Elementary	2	Good	14	9	4	5	0
Totals			57	182	41	36	9
Percentage of Total Ratings for System			18%	56%	13%	11%	3%

Howard County

One school was assessed in October 2018. Centennial Lane Elementary School was originally built in 1973, but was renovated in 2007 and received an addition in 2008; the adjusted building age is 12 years.

Since the school was renovated in 2007, it has only received one State-funded project for site security improvements in 2014.

Every assessment category earned a passing score at Centennial Lane Elementary, four of which were *Superior* scores, and an overall rating of *Good*. Howard County Public Schools typically receives an average overall rating of *Good* each year.

As a result of Howard County's extremely consistent record of good maintenance, only one school was assessed this year. Howard County Public Schools has a very good maintenance program and it is expected that scores remain high in the future.



Centennial Lane Elementary

FY 2019

- 75 total active schools in system
- Avg. Adjusted Age, all schools: 2001
- 1 school inspected: 1 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (90.00)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Centennial Lane Elementary	12	Good	4	24	4	0	0
Totals			4	24	4	0	0
Percentage of Total Ratings for System			13%	75%	13%	0%	0%

Kent County

Two schools were assessed in October 2018. Garnett Elementary was originally built in 1950, but was renovated in 1975. Its existing square footage dates from 1958 to 2002 and it has an adjusted building age of 45 years. Rock Hall Elementary was originally built in 1915, but the entire original structure was demolished in 1963 and the existing square footage now dates from 1950 to 1974, resulting in an adjusted building age of 55 years.

Both schools secured *Superior* scores in their Driveways & Parking Lots category as well as a few other categories; however, Garnett Elementary received the only *Poor* score in the Plumbing category, for which Rock Hall Elementary also earned a *Not Adequate* score. Both schools have done well to take advantage of State funding for quite a few capital improvement projects over the years.

This is the third time in the last four years that Kent County has received an average overall rating of *Adequate*. For years, Kent County's public school building inventory was found to be the second oldest in the State, trailing Baltimore City by a small margin. This year, both Kent County and Baltimore City Schools have the same average adjusted age for all their schools.



Garnett Elementary

FY 2019

- 5 total active schools in system
- Avg. Adjusted Age, all schools: 1978
- 2 schools inspected: 2 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 0 Good
 - ✓ 2 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Adequate (81.55)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Garnett Elementary	45	Adequate	4	12	9	6	1
2. Rock Hall Elementary	55	Adequate	2	11	8	10	0
Totals			6	23	17	16	1
Percentage of Total Ratings for System			10%	37%	27%	25%	2%

Montgomery County

Thirty-nine schools were assessed in April and May 2019. Original existing square footage at these schools range from 1936 to 2017, with adjusted building ages ranging from 2 years to 49 years. Eleven of the schools assessed this year had an adjusted building age of 30 or more years.

Montgomery County Public Schools is the largest school system in Maryland with 210 school facilities totaling 24,510,372 square feet.

This year, roofing conditions seemed to need additional attention as 14 of the 39 assessed schools received *Not Adequate* or *Poor* scores for this category. It appeared that the required semi-annual roof assessments were not being completed or were not completed accurately. If routine assessments of the roof and other areas throughout the buildings were performed more often or thoroughly, MCPS would likely identify and prevent many of the deficiencies found during the IAC assessments.

The setup of the newer relocatable classrooms, like those at Clarksburg Elementary, is of concern as well. The downspouts are not being extended down and diverted away from the structures; this allows water to flow down the siding and the wood to rot more quickly. In addition, the relocatables appear positioned too close together—approximately 1-3 inches apart—allowing the elements to enter the space which will slowly rot out the siding and cause other potential issues, but also be inaccessible to maintenance personnel unless the walls are removed from the inside. This will eventually become costly to repair and require funding repairs that could and should have been prevented.

Montgomery County has received a *Good* overall rating every year since IAC took over assessments in 2007. This shows an excellent and consistent effort to maintain school buildings in the county.



Great Seneca Creek Elementary

FY 2019

- 210 total active schools in system
- Avg. Adjusted Age, all schools: 1995
- 39 schools inspected: 20 Elementary, 11 Middle, 7 High, 1 Special Ed.
- Results:
 - ✓ 0 Superior
 - ✓ 22 Good
 - ✓ 17 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Good (85.99)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Banneker (Benjamin) Middle	45	Adequate	0	18	9	6	0
2. Belmont Elementary	45	Good	7	15	7	2	0
3. Beverly Farms Elementary	7	Good	1	25	6	1	0
4. Briggs Chaney Middle	28	Adequate	1	15	10	8	0
5. Burning Tree Elementary	26	Good	0	31	1	1	0
6. Chevy Chase Elementary	24	Good	1	28	4	0	0
7. Clarksburg Elementary	26	Good	4	17	5	6	0
8. Clarksburg High	12	Good	0	26	7	0	0
9. Clearspring Elementary	31	Adequate	3	16	7	7	0
10. Clemente (Roberto) Middle	27	Adequate	3	13	11	6	0
11. Clopper Mill Elementary	33	Adequate	0	21	5	4	1
12. Cloverly Elementary	28	Adequate	4	15	6	7	1
13. Cresthaven Elementary	9	Good	1	22	7	2	0
14. Frost (Robert) Middle	40	Adequate	1	10	9	9	3
15. Great Seneca Creek Elementary	13	Good	2	21	5	3	0
16. Greenwood Elementary	36	Good	5	15	4	7	0
17. Kennedy (John F.) High	21	Adequate	0	17	11	4	0
18. Lakelands Park Middle	14	Good	0	25	8	0	0
19. Lakewood Elementary	16	Good	3	18	11	0	0
20. Laytonsville Elementary	30	Good	0	26	4	2	0
21. Loiederman (A. Mario) Middle	14	Good	0	21	9	2	0
22. McAuliffe (Christa S.) Elementary	32	Good	0	22	8	2	0
23. Montgomery Blair High	21	Adequate	0	13	14	5	0
24. N. Chevy Chase Elementary	17	Good	9	17	5	1	0
25. Northwood High	49	Adequate	0	11	6	12	4
26. Pyle (Thomas W.) Middle	23	Good	1	22	9	2	0
27. Resnik (Judith A.) Elementary	28	Adequate	1	18	8	5	0
28. Richard Montgomery High	12	Good	17	12	2	2	0
29. Ridgeview Middle	35	Good	0	21	9	2	0
30. Rocky Hill Middle	15	Adequate	0	15	8	6	3
31. Sherwood High	26	Good	0	25	7	1	0
32. Shriver (Sargent) Elementary	13	Adequate	1	21	6	4	0
33. Singer (Flora M.) Elementary	7	Adequate	4	12	7	9	0
34. Stephen Knolls Special Education	40	Good	2	28	1	0	0
35. Takoma Park Middle	20	Adequate	1	18	5	8	0
36. Westbrook Elementary	15	Adequate	2	17	9	6	0
37. Westland Middle	22	Adequate	0	21	8	5	0
38. Wheaton High	4	Good	24	4	3	2	0
39. Wheaton Woods Elementary	2	Good	6	25	0	1	0
Totals			104	737	261	150	12
Percentage of Total Ratings for System			8%	58%	21%	12%	1%

Prince George's County

Forty schools were assessed in November and December 2018. Three additional schools, which received *Not Adequate* overall ratings in FY 2018, were re-assessed in January 2019. Original square footage at these schools range from 1928 to 2014, with adjusted building ages ranging from 5 to 62 years at the time of assessments. Twenty-eight of these facilities have adjusted building ages of 40 years or older.

The three reassessed schools which received failing scores last year were again found to be *Not Adequate*; repairs were reported as completed, but upon reassessment, were found to not be complete, and in many cases, an attempt to repair does not appear evident. An additional 11 schools assessed this year received an overall rating of *Not Adequate*, bringing the total schools earning failing scores this year to 14 out of 43 schools assessed; this is a drastic increase in *Not Adequate* schools. Before this year, only 17 PGCPs schools had ever received a *Not Adequate* rating since 2007.

Only three schools, Accokeek Academy Annex (H. Ferguson), Barack Obama Elementary and Vansville Elementary, earned an overall rating of *Good*; these three schools were also the youngest schools assessed this year with building ages of 5, 9 and 11 years respectively.

Maintenance data suggests that there is insufficient preventive maintenance being performed. Required semi-annual roof assessment reports appear inaccurate based on actual conditions observed by State assessors. Conditions suggest that routine assessments are not consistently being completed. Structural deficiencies in numerous buildings were reported to have been caused by the 2012 earthquake and have yet to be repaired.

This is the third year in a row that the overall rating for Prince George's County Public Schools has been *Adequate*, but the first year it has ever fallen below 80 points; this year's score of 77.94 is more than four points lower than the overall rating last year.

As with the other large school systems, maintaining a large inventory with schools of

varying ages can be challenging, and that is

compounded by continued growth. Additionally, PGCPs has undergone significant staff changes over the last several years. The tight labor market has made hiring qualified maintenance personnel more difficult.



G. James Gholson Middle

FY 2019

- 196 total active schools in system
- Avg. Adjusted Age, all schools: 1982
- 43 schools inspected: 27 Elementary, 1 PreK-8, 5 Middle, 7 High, 2 Special Ed, 1 Environmental Ed.
- Results:
 - ✓ 0 Superior
 - ✓ 3 Good
 - ✓ 26 Adequate
 - ✓ 14 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Adequate (77.94)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Accokeek Academy Annex (H. Ferguson)	5	Good	4	23	2	3	0
2. Annapolis Road Academy (Re-Insp)	35	Not Adequate	0	2	15	7	10
3. Ardmore Elementary	52	Adequate	1	17	4	8	2
4. Barnaby Manor Elementary	46	Adequate	1	10	9	9	4
5. Bayne (John H.) Elementary	52	Adequate	2	11	4	11	5
6. Beanes (William) Elementary	33	Adequate	0	17	13	1	0
7. Beltsville Academy	58	Not Adequate	0	2	8	14	8
8. Bladensburg High	14	Not Adequate	0	7	4	8	12
9. Carrollton Elementary	49	Adequate	0	16	10	7	0
10. Columbia Park Elementary	57	Adequate	0	7	23	0	2
11. Douglass (Frederick) High	30	Adequate	2	16	8	6	1
12. Gaywood Elementary	57	Not Adequate	0	4	6	12	11
13. Gholson (G. James) Middle	17	Not Adequate	0	1	11	6	14
14. Glassmanor Elementary	53	Adequate	1	21	3	7	1
15. Glenn Dale Elementary (Re-Insp)	51	Not Adequate	0	5	12	7	9
16. Glenridge Elementary	62	Not Adequate	0	7	6	7	13
17. Gourdine (Isaac J.) Middle	49	Not Adequate	0	5	9	12	6
18. Gwynn Park Middle	51	Adequate	0	16	11	4	0
19. Harrison (James H.) Elementary	50	Adequate	0	11	14	5	1
20. High Point High	56	Not Adequate	0	4	6	12	12
21. Highland Park Elementary (Re-Insp)	31	Not Adequate	0	4	7	5	18
22. Hillcrest Heights Elementary	20	Adequate	2	18	6	4	4
23. Hollywood Elementary	41	Adequate	0	5	15	8	3
24. Kenmoor Early Childhood Center	53	Adequate	0	8	13	8	2
25. Madison (James) Middle	47	Adequate	1	9	8	12	1
26. Obama (Barack) Elementary	9	Good	9	16	1	5	2
27. Paca (William) Elementary	49	Adequate	0	7	18	6	2
28. Panorama Elementary	15	Adequate	0	8	11	8	6
29. Parkdale High	42	Adequate	0	10	14	8	1
30. Pointer Ridge Elementary	45	Adequate	0	12	5	11	3
31. Potomac High	41	Adequate	0	6	17	10	1
32. Princeton Elementary	51	Adequate	1	11	5	13	2
33. Schmidt (William S.) Outdoor	49	Adequate	2	13	6	7	3
34. Seabrook Elementary	57	Not Adequate	0	4	12	9	7
35. Spellman (Gladys Noon) Elementary	29	Adequate	1	7	14	8	1
36. Springhill Lake Elementary	46	Not Adequate	0	4	11	13	5
37. Stone (Thomas S.) Elementary	44	Adequate	0	7	15	6	5
38. Tanglewood Regional School	37	Not Adequate	0	6	5	17	5
39. Vansville Elementary	11	Good	1	19	9	3	1
40. Williams (Phyllis E.) Elementary	42	Adequate	0	12	15	4	0
41. Wirt (William) Middle	55	Not Adequate	0	1	8	12	12
42. Wise, Jr. (Dr. Henry A.) High	13	Adequate	0	13	9	10	1
43. Woods, Sr. (Judge Sylvania W.)	20	Adequate	0	13	12	5	2
Totals			28	415	414	338	198
Percentage of Total Ratings for System			2%	30%	30%	24%	14%

Queen Anne's County

One school was assessed in October 2018. Original existing square footage at this school dates from 2007, and its adjusted building age is 12 years.

Matapeake Middle was constructed in 2007 and has not received an addition or renovation. Four categories received *Not Adequate* scores this year. The 2008 roof has had ongoing issues since the day it was first installed and has already received extensive, yet inadequate, repairs and continues to be a maintenance burden. Additional repairs and assessments are recommended. On the other hand, the roof drains and rooftop equipment obtained *Superior* scores, showing that maintenance is being performed and the roof is not being neglected.

This is the tenth year in a row that the average overall rating for Queen Anne's County Public Schools has been *Good*.



Matapeake Middle

FY 2019

- 14 total active schools in the system
- Avg. Adjusted Age, all schools: 2001
- 1 school inspected: 1 Middle
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (89.08)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Matapeake Middle School	12	Good	8	19	2	4	0
Totals			8	19	2	4	0
Percentage of Total Ratings for System			24%	58%	6%	12%	0%

St. Mary's County

Three schools were assessed in September 2018. Original existing square footage at these schools range from 1987 to 2003, with adjusted building ages ranging from 19 to 26 years.

Driveways/parking lots and interior appearance/sanitation were the two categories that rated the highest at all three schools this year with two out of three schools achieving a *Superior* rating in both categories. However, all three schools assessed this year received *Not Adequate* scores for flashing and gravel stops; two schools received *Not Adequate* scores for the roof conditions and gutters/downspouts categories. All three of these categories are related the schools' roofs and additional routine assessments and maintenance are recommended. Hollywood Elementary's roof is 25 years old and at the end of its life; it is scheduled for replacement in the spring of 2019 using State funding through a capital improvement systemic renovation project. The failing seams on the majority of Lexington Park Elementary's roof should be investigated.

St. Mary's County Public Schools has maintained their *Good* overall rating for the 12th year in a row.



Lexington Park Elementary

FY 2019

- 27 total active schools in system
- Avg. Adjusted Age, all schools: 1996
- 3 schools inspected: 2 Elementary, 1 Middle
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 2 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Good (85.98)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Esperanza Middle	19	Adequate	4	17	6	7	0
2. Hollywood Elementary	26	Good	2	21	7	2	0
3. Lexington Park Elementary	19	Adequate	2	17	10	3	0
Totals			8	55	23	12	0
Percentage of Total Ratings for System			8%	56%	23%	12%	0%

Somerset County

Two schools were assessed in June 2019. Original square footage at these schools range from 1968 to 2012 with adjusted building ages of 8 and 43 years.

Both Deal Island Elementary and Washington High have benefited from several State-funded projects through programs such as the Aging Schools Program Funding. Recent projects include a sidewalk replacement and fire alarm system upgrade at Deal Island Elementary and the 2012 renovation of 126,000 square feet at Washington High School.

Deal Island Elementary's roof was replaced in 2009 with State CIP funding, but two roof-related categories failed, including roof drains which received a *Poor* score and roof conditions with a *Not Adequate* score. This facility could benefit from additional and more effective routine inspections and repairs as part of their preventive maintenance to address the deficiencies identified during this inspection.

The overall ratings are consistent with Somerset County Public Schools' trend. Since 2007, the IAC has completed twenty inspections in SCPS, ten of which resulted in the buildings being rated as *Adequate*, eight rated as *Good* and two rated as *Superior*.



Washington High School

FY 2019

- 10 total active schools in system
- Avg. Adjusted Age, all schools: 1996
- 2 schools inspected: 1 Elementary, 1 Middle/High
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 1 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Adequate (83.68)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Deal Island Elementary School	43	Adequate	1	12	11	4	3
2. Washington Academy & High School	8	Good	1	18	10	2	0
Totals			2	30	21	6	3
Percentage of Total Ratings for System			3%	48%	34%	10%	5%

Talbot County

One school was assessed in May 2019. This school was originally built in 1957, but received a full renovation in 1997 and an addition in 2001 so the original existing square footage at this school dates from 1997 to 2001 and its adjusted building age is 22 years.

White Marsh Elementary received an overall rating of *Good* and earned a passing score in every category on the inspection report with five of those categories achieving *Superior* scores. With the exception of a few minor findings, this school appears very well maintained.

Talbot County Public Schools has consistently received *Good* or *Superior* ratings with the exception of only one school in FY 2018 which received an *Adequate* rating.



White Marsh Elementary

FY 2019

- 9 total active schools in system
- Avg. Adjusted Age, all schools: 2000
- 1 school inspected: 1 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (90.15)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. White Marsh Elementary	22	Good	5	23	4	0	0
Totals			5	23	4	0	0
Percentage of Total Ratings for System			16%	72%	13%	0%	0%

Washington County

One school was assessed in October 2018. This school was originally built in 1951, but received a renovation in 2005 so its original existing square footage now ranges from 2005 to 2014, and its adjusted building age is 14 years.

Though the overall rating is *Good*, Salem Avenue Elementary's scores were inconsistent, receiving *Not Adequate* scores in five categories, but *Superior* scores in five other categories; most of these failing scores would likely improve with an increase of consistent routine assessments and preventive maintenance. A more detailed and informative roof assessment report is recommended so that deficiencies may be more easily identified and repaired.

The overall rating is consistent with Washington County Public Schools' trend. Since 2007, 48 out of 73 schools assessed have received an overall rating of *Good*.



Salem Avenue Elementary

FY 2019

- 46 total active schools in system
- Avg. Adjusted Age, all schools: 1986
- 1 school inspected: 1 Elementary
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (87.91)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Salem Avenue Elementary	14	Good	5	19	4	5	0
Totals			5	19	4	5	0
Percentage of Total Ratings for System			15%	58%	12%	15%	0%

Wicomico County

One school was assessed in June 2019. Original existing square footage at this school dates from 1976 to 1993 and its adjusted building age is 27 years.

Wicomico High was originally constructed in 1954 which was renovated in 1993; two additions from 1976 and 1977 still exist as well. The building has benefited from many State-funded capital improvements through the Aging Schools Program as well as some systemic renovations through the Capital Improvement Program.

5 out of 32 categories achieved *Superior* scores, but 4 other categories received *Not Adequate* scores. The overall rating for this school is still *Good*. Additional routine assessments may be necessary to identify issues before conditions deteriorate and become costly to repair.

This is the tenth year in a row that Wicomico County Public Schools has earned either a *Good* or *Superior* overall rating for their schools' assessments.



Wicomico High

FY 2019

- 24 total active schools in system
- Avg. Adjusted Age, all schools: 1993
- 1 school inspected: 1 High
- Results:
 - ✓ 0 Superior
 - ✓ 1 Good
 - ✓ 0 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Overall rating of inspected school: **Good (86.62)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Wicomico High	27	Good	5	16	7	4	0
Totals			5	16	7	4	0
Percentage of Total Ratings for System			16%	50%	22%	13%	0%

Worcester County

Four schools were assessed in May 2019. Original square footage at these schools range from 1970 to 2016 and their adjusted building ages range from 3 years to 48 years.

Two of the four schools assessed this year received an overall rating of *Good* while the other two schools received an *Adequate*. Three out of those four schools received a *Not Adequate* or *Poor* score for ventilation equipment; the only school to pass was Snow Hill High, which was fully renovated in 2016. This year, two schools received *Poor* scores in the roof conditions category. Additional resources may be needed to ensure solid routines are established and maintained with a focus on preventive maintenance for problem areas such as HVAC, ventilation equipment, roofs and ceilings.

The LEA reported that there is inadequate staffing and funding to establish even minimal preventive maintenance routines. Ninety percent of maintenance is reported to be reactive, but it does not appear that even reactive maintenance can be completed. It is strongly recommended that staffing be evaluated and appropriate changes made to improve the school system's ability to provide adequate preventive and reactive maintenance.



Ocean City Elementary

FY 2019

- 14 total active schools in system
- Avg. Adjusted Age, all schools: 1993
- 4 schools inspected: 1 Elementary, 1 Elementary/Middle, 1 High, 1 Special Ed.
- Results:
 - ✓ 0 Superior
 - ✓ 2 Good
 - ✓ 2 Adequate
 - ✓ 0 Not Adequate
 - ✓ 0 Poor
- Average overall rating of inspected schools: **Adequate (85.46)**

School Name	Adjusted Age	Overall Rating	Rating of Individual Categories (does not include items not rated)				
			Superior	Good	Adequate	Not Adequate	Poor
1. Cedar Chapel Special School	33	Adequate	0	14	6	4	4
2. Ocean City Elementary	14	Good	0	29	2	1	0
3. Snow Hill High	3	Good	13	14	3	2	0
4. Snow Hill Middle	48	Adequate	0	16	5	4	4
Totals			13	73	16	11	8
Percentage of Total Ratings for System			11%	60%	13%	9%	7%