Scheduled Maintenance

Scheduled replacement, repair, or refurbishment

The preservation and enhanced operation of school plants requires an expenditure of labor and materials based on a predictable timetable and/or use schedule. This work involves both maintenance crews and contracted services. These large jobs call for substantial funds. A regular schedule permits the budgeting for these items to be spaced out over a period of time. In this way, SMCPS is alerted to the long-term maintenance needs of the school system and can allocate annual funds on a more predictable basis.

The Department of Maintenance schedules presented here are subject to revision when conditions mandate that a project be moved up in its schedule or a particular job may be deferred to a later time because of excellent care. While the schedules do indicate a year in which certain services should be provided, it is clear that this represents an effort to anticipate needs. Therefore, the year is only a guide and not a firm commitment. (See Planning and Assessment, page 49.)

Maintenance Schedules	<u>Frequency</u>
Roof Replacement	
See Appendix A	25 – 30 years
Roof replacement occurs when conditions	
warrant roof replacement. This is covered	
under the Capital Improvements Program.	

HVAC Replacement

See Appendix B 25 – 30 years HVAC replacement occurs when conditions warrant replacement. This is covered under the Capital Improvements Program.

Bituminous Pavement Resurfacing

See Appendix C

Bituminous paving occurs when conditions warrant

20 year resurfacing or the timetable factors dictate resurfacing.

This includes repair of concrete gutters and curbing, as well as re-striping.

Oil Tank Testing

See Appendix D 15 years from Tank testing completed based on state and installation

federal compliance regulations. The following items

are performed by a state approved contractor:

Tank integrity testing

- · Line and leak detector testing
- Containment testing
- Pascal perfect testing

Painting - Interior

See Appendix E 10 - 12 years

- Paint ceilings (would not include ceiling tiles)
 and I-beams, if required
- Paint all interior walls including classrooms, closets, storage rooms, hallways, bathrooms, offices, etc.
- Paint all door and window frames
- Paint all interior doors, if applicable
- Paint built-in shelving or casework

Painting - Exterior

See Appendix F

The exterior painting of schools would include,

but is not limited to:

- Paint any exterior wood sheathing
- Paint metal flashing
- Paint exterior doors and window frames
- Paint entrance canopies

10 years

5 years thereafter

Carpet Replacement

See Appendix G

12 years

Carpet replacement occurs in administrative areas, media centers, and computer rooms only and are done primarily due to environmental conditions that occur within our facilities or where terminable factors dictate. As carpeting is removed, VCT tile is re-installed in classroom environments, to minimize the environmental and indoor air quality issues.

Floor Tile Replacement

See Appendix H

35 years

Floor tile replacement occurs when conditions of floor degradation occurs, or during asbestos abatements.

Wood Floor Refurbishment

See Appendix I

12 years

Wood floor refurbishment occurs when conditions of floor degradation occurs, or when the floor shows excessive ware.

Vehicle Replacement

See Appendix J

10 years or 200,000

When conditions warrant or timetables dictate, vehicle

miles

replacement is completed through a bid process.

Generator Replacement

See Appendix K

20 – 30 years

Generator replacement occurs when conditions warrant

replacement.

Athletic Amenities Replacement Schedule

See Appendix L

15 year signage

10 year exterior surfaces

Fire Alarm Replacement

See Appendix M

15 – 25 years

Fire alarm replacement occurs when conditions warrant replacement.

Tennis Court Resurfacing

10 years

Tennis court resurfacing occurs when conditions warrant or timetables factor dictates resurfacing and/or overlay.

Track Resurfacing

10 years

Track resurfacing occurs when conditions warrant or timetables factor dictates resurfacing and/or overlay.

Bleacher Replacement / Renovations (Interior/Exterior) 30 years

Bleacher replacement occurs when timetable factors dictate or a major defective structural component is identified on the semi-annual inspections that cannot be repaired.

Preventive Maintenance Outline

ITEM	DESCRIPTION	A CO
AHU & Unit Ventilators	Check motor, controls, filters, belts, lubricate	
Air Compressors	Check operation, oil level, belt tension, drain tank	
Air Conditioning Units	Check operation	
Air Dryers	Filter change, operational	
Auto Lift	Cables, safety devices, operations	
Backflow Prevention	Operations, certification	
Bathroom (Gang)	Operations, fixture conditions, leaks	
Bleacher-Telescoping	Operate, inspect & repair	
Boiler Inspection	Inspect	
Boiler Tube Cleaning	Brush, clean boiler tubes	
Boilers	Check low water cutoffs, relief valves Inspect	
Building Envelop		
Cabinetry	Operate, Inspect & Repair	
Cafeteria Tables Cistern	Operate, Inspect & Repair Operate, Inspect & Repair	
Clock & Bell Systems	Operate, Inspect & Repair	
Cooling Towers	Check nozzles, pumps, controls, valves, operate, inspect	
Courtyard	Door, drain, vegetation, furniture operate, inspect, repair	
Door Lock & Hardware	Operate, Inspect & Repair	
Effluent Water Testing	Sewage digestion plant testing	20 20 40 40 40 40
Emergency Generators	Test run, PM power plant & load transfer equipment	
Emergency Lighting	Check operation	
Energy Control Insp/Ident	Inspection & identification of stored energy sources	
Exhaust Systems	Operate, Inspect & Repair	
Faucet, Eyewash Emergency	Operate, Inspect & Repair	
Showers		
Fences & Gates	Operate, Inspect & Repair	
Fire Alarm System	Operate, Inspect & Repair	
Fire Extinguishers	Inspect, tag & charge as necessary	
Grease Traps/Exterior	Pump & Clean	
Hazard Assessment	Inspection & identification of stored energy sources	
Hot Water Heaters	Operate, Inspect & Repair	
HVAC Air Filter Changes	HVAC air filter change, belt tension & damper operations	
Irrigation Systems	Operate, Inspect & Repair	
Kitchen Equipment	Clean coils, inspect refrigeration system	
Kitchen Hood Systems	Operate, Inspect & Repair	
Locker	Operate, Inspect & Repair	
Maintenance Vehicles	Change oil & filters, Tune-up	
Mobile Skirting & Siding	Inspect, Repair	
Mobile Unit Canopies	Inspect, Repair	
Mobile Unit Ramping	Inspect, Repair	
Mulching	Reapply - weed	-: 4 4 7 6 5 2
Oil Burner	Clean, check nozzle, electrode & efficiency test	- 1 A A T A E

Preventive Maintenance Outline

Oil Tanks	Testing			[a,b]			
Parking & Athletic Field Lighting Pole	Inspect, Repair						Ì
Playground Inspection	Operate, Inspect & Repair			6		40.00	
Pumping Systems	Check seals, couplings, strainers, & lubricate				7		
Reel Lawn Mowers	Operate, Inspect & Repair		34		1.2		
Roofing	Remove debris, clean drains, inspection				ΕŸ		
Safety Meeting & Training	Update training, new subjects, annual requirements				1	100	
Septic Tanks	Pump & Clean		1				
Sidewalk & Curbing	Inspect, Repair						ī
Site Paving	Inspect, Repair		TE.				Ī
Site Signage	Inspect, Repair, Replace				310		Ī
Sliding & Folding Partition	Inspect, Repair	- 1	1		1		
Sprinkler System	Inspect & test flow, pumps & bells			1	3.	1	I
Stormwater Management	Inspect, Repair				4		
Test Equipment Calibration	Calibration of maintenance testing equipment						Ī
Therapy Pools	Filters & other equipment					18	
Timers	Inspect, operate, adjust						7
Tree & Shrubs	Inspect, trim, replace				11/17		1
Water Chillers	Operate, inspect, clean & repair		100				
Water Flushing	Flushing water systems before students return						
Water Testing	Water testing of potable water				h. F		1
Watercooler & Bubblers	Operate, inspect, clean & repair						
Well Water & Houses	Operate, inspect & repair			1		3	
Window Glazing	Inspect				H		Ξ

Roof Replacement Schedule / Appendix A

Roof Replacement Schedule

Life Cycle Replacement in years:

30

Capital Plan accounts for two years to design and start construction based on timing of funding and debt balancing

		Current	Next	No. of Years to		
	Last Roof	Age of	Scheduled	Next	Adjusted No.	
Name of School	Replacement	Roof	Replacement	Replacement	of Years	Status
Elementary Schools						
Benjamin Bannekei' (1) 36,000 sq. ft.	1998	22	2028	8		
Benjamin Banneker (II) 23257 sq.ft.	2002	18	2032	12		
Benjamin Banneker (ECC)	2009	- 11	2049	39	10	Metal Roof
Cpt. Walter Francis Duke	2015	5	2045	25		
Dynard	1992	28	2022	2		CIP 2020
Evergreen	2009	- 11	2039	19		
George Washington Carver	2006	14	2036	16		
Green Holly (A)	1992	28	2022	2		CIP 2025
Green Holly (B)	2020	o	2060	50	10	Metal Roof
Greenview Knolls	2001	19	2031	- 11	,,,	2000 - Gym and Pre-K
Hollywood	2020	0	2050	30		.,
Leonardtown	2007	13	2037	17		
Lettie Marshall Dent (I) 19210 sq. ft.	1992	28	2026	10	4	
Lettie Marshall Dent (II) 38610 sq. ft.	2002	18	2032	12	,	
Lexington Park (I) 39965 sq. ft.	1994	26	2026	8	2	CIP 2026
Lexington Park (II) 16035 sq. ft.	1999	21	2029	9		
Mechanics ville	2004	16	2034	14		
Oakville	2000	20	2030	10		
Park Hall	2020	0	2050	30		
Piney Point	2017	3	2047	27		
Ridge	1998	22	2028	8		
Town Creek	1997	23	2027	7	0	2002 - Gym
White Marsh	2002	18	2032	12		2002 - 0/111
Average Age	2002	16	2032	12		
Middle Schools						
	2000	20	2040	30	10	2000 - 1/2 roof was resurfaced
Esperanza		20	2040	10	,0	2000 - 1/2 root was resurfaced
Leonardtown (I) 116500 sq. ft.	2000	11	2030	19		
Leonardtown (II) 15000 sq. ft.	2009	14	2034	16		
Margaret Brent						
Spring Ridge Average Age	2016	14	2046	26		
High Schools						
						2014 - 15,000 sq. ft., resurfaced
Chopticon	1997	23	2027	7		Media Center
Fairlead Academy	1989	31	2029		10	Metal Roof
Forrest Center	2005	15	2035	15		
Great Mills (I) 90982 sq. ft	2020	0	2050			
Great Mills (II) 125642 Sq. Ft.	1997	23	2024		(4)	CIP 2023
Leonardtown	2002	18		12		
Average Age		18				
Offices						
Central Office	2002	18	2032	12		
Supporting Services	1994	26	2027	10	3	

HVAC Replacement Schedule / Appendix B

HVAC Replacement Schedule

Life Cycle Replacement in years:

25

Capital Plan accounts for two years to design and start construction based on timing of funding and debt balancing

Current Year:

2020

Name of School	Last HVAC	Current Age of HVAC	Next Scheduled Replacement	No. of Years to Next Replacement	Adjusted No. of Years	Status
Elementary Schools	1 1					
Benjamin Banneker	2002	18	2027	7		
Benjamin Banneker (ECC)	2009	70	2034	14		
Cpt. Walter Francis Duke	2015	- 5	2040	20		
Dynard	1992	28	2017	(3)		CIP 2020
Evergreen	2009		2034	14		
George Washington Carver	2006	14	2031	- 11		
Green Holly (A)	1973	47	2003	(12)	5	CIP 2020
Green Holly (B)	1992	28	2017	(3)		
Greenview Knolls	2014	6	2039	19		
Hollywood	2020	0	2045	25		
Leonardtown	2007	13	2032	12		CIP 2025
Lettie Marshall Dent	1992	28	2017	(3)		9/2016 Replacement of units 4, 5, & 6, CIP 2022
Lexington Park	2003	17	2028	8		The state of the s
Mechanicsville	2002	18	2027	7		CIP 2021
Oakville	2011	9	2036	16		
Park Hall	2020	0	2045	25		
Piney Point	1993	27	2018	(2)		CIP 2024
Ridge	2001	19	2026	6		GN 2027
Town Creek	1999	21	2024	4		CIP 2022
White Marsh	2002	18	2027	7		CH 1011
Average Age		1,7	1,637			
Middle Schools						
Esperanza	2000	20	2025	5		
Leonardtown	2010	10	2035	15		
Margaret Brent	2006	14	2031	ŢŢ.		
Spring Ridge	2016	4	2041	21		
Average Age		12				
High Schools						
Chopticon	2000	20	2025	5		
Fairlead Academy	2008	12	2033	13		
Forrest Center	2005	15	2030	10		(2017) partial repalcement of
Great Mills	1997	23	2027	12	5	units 3, 4, & 5
Leonardtown	2002	18	2027	7		a constitution of
Average Age		18	0.00000			
Offices	 					
Central Office	2002	18	2027	7		
						I/2017 Install / start up of new DX roof top unit for front storage area space of building opposite ³
Supporting Services	2006	14	2031	H		Food Service Office.
AG Building/Print Shop	2015	5	2040	20		
Average Age		12		<u> </u>		

Bituminous Paving Replacement / Appendix C

Bituminous Paving Replacement Schedule

Life Cycle Replacement in years:

20 resurfacing

Individual school needs are assessed on an on-going basis.

Bi-annual funding was requested starting in FY 2008.

		Current		No. of Years to		
	Last Paving	Age of	Next Scheduled	Next	Adjusted No.	
Name of School	Replacement	Paving	Replacement	Replacement	of Years	Status
Elementary Schools	перисеттене	Tuving	першееттепе	перисетене	Of Fears	Status
Benjamin Banneker	2002	18	2022	2		CIP 2024
<u>'</u>	2002	18		2		
Benjamin Banneker (ECC)						CIP 2024
Cpt. Walter Francis Duke	2015	- 1	2035	15		GID 2002
Dynard -	2008	12	2028	8		CIP 2023
Evergreen	2009	- 11	2029	9		
George Washington Carver	2006	14	2026	6		CIP 2023
Green Holly (A)	2003	17	2023	3		CIP 2024
Green Holly (B)	2003	17	2023	3		CIP 2024
Greenview Knolls	2004	16	2024	4		CIP 2021
Hollywood	1993	27	2013	I	8	CIP 2023
Leonardtown	2011	9	2031	11		
Lettie Marshall Dent	2020	0	2040	20	0	CIP 2019
Lexington Park	2003	17	2023	3		CIP 2024
Mechanicsville	2013	7	2033	13		
Oakville	2014	6	2034	14		
Park Hall	2018	2	2038	18		
Piney Point	2018	2	2038	18		
Ridge	2006	14	2026	6		
Town Creek	2020	0	2040	20		CIP 2020
White Marsh	2017	3	2037	17		
Average Age		- 11				
Middle Schools						
Esperanza	2020	0	2040	20		CIP 2020
Leonardtown	2012	8	2032	12		
Margaret Brent	2006	14	2026	6		
Spring Ridge	2016	4	2036	16		
Average Age		7				
Arei age Age		-				
High Schools						
Chopticon	2000	20	2020	0		CIP 202 I
Fairlead Academy	1999	21	2019	(1)		
Forrest Center	2005	15		5		
Great Mills	2020	0			2	CIP 2022
Leonardtown	2011	9		11	-	2722
Average Age		13				
Offices						
Central Office	2002	18	2022	2		
Supporting Services	2002	18		2		
Average Age	2002	18				

Oil Tank Testing Schedule / Appendix D

Oil Tank Testing Schedule

Life Cycle Testing in years:

15 years from install5 years thereafter

	Tank	Last Tank Test	Current Age of	Year of Next
Name of School	Installation	Date	Tank	Tank Test
Elementary Schools				
Benjamin Banneker	1992	2018	28	2023
Benjamin Banneker (ECC)	1983	2019	37	2024
Cpt. Walter Francis Duke	2014	2014	3	2029
Dynard	1992	2017	28	2022
Evergreen	Natural Gas			
George Washington Carver	Natural Gas			
Green Holly (A)	1973	2018	47	2023
Pen Abily (B)	1989	2018	31	2023
Greenview Knolls	Natural Gas			
Hollywood	1993	2016	27	2021
Leonardtown	2007	2007	13	2022
Lettie Marshall Dent	1980	2019	40	2024
Lexington Park	Natural Gas			
Mechanicsville	2002	2016	18	2021
Oakville Above Ground Storage Tank	2011		9	2026
Back Pati	1993	2018	27	2023
Piney Point	1988	2019	32	2024
Ridge	2002	2016	18	2022
Town Creek	2020	2018	0	2023
White Marsh	1997	2016	23	2021
Average Age			24	
Middle Schools				
Esperanza	Natural Gas			
Leonardtown	2010		10	2025
Margaret Brent	2004	2016	16	2021
Spring Ridge	2015	2015	5	2030
Average Age			10	
High Schools				
Chopticon	2019	2019		2034
Fairlead Academy	Electric			
Forrest Center	2003	2019	17	2024
Great Mills	Natural Gas			
Leonardtown	2000	2018	20	2023
Average Age			13	
Offices				
Central Office	Electric			
Supporting Services	1992	2017	28	2022
Average Age			27	

Interior Repainting Schedule / Appendix E

Painting Interior Repainting Schedule

Life Cycle Repainting in years: 12

				No. of Years to		
		Current Age	Next Scheduled	Next	Adjusted No. los	
Name of School	Last Painting	of Paint	Repainting	Repainting	Years	Status
Elementary Schools						
Benjamin Banneker	2003	17	2017	-(3)	2	2014 - gym ceiling
						2018 Interior cabinets and
Benjamin Banneker (ECC)	2008	12	2020	0		trim only
Cpt. Walter Francis Duke	2015	ı	2027	7		
Dynard	2010	10	2022	2		
Evergreen	2009	- 11	2021	_		
George Washington Carver	2019	ı	2031	П		
Green Holly (A)	2016	4	2028	8		
Green Holly (B)	2017	3	2029	9		
Greenview Knolls	2014	6	2026	6		
Hollywood	2020	0	2032	12		
Leonardtown	2020	0	2032	12		
Lettie Marshall Dent	2008	12	2020	0		
Lexington Park	2003	17	2020	0	5	
Mechanicsville	2010	10	2022	2		
Oakville	2012	8	2024	4		
Park Hall	2016	4	2028	8		2020 Hallways
Piney Point	2013	7	2027	7	2	
Ridge	2007	13	2022	2	3	
Town Creek	2013	7	2026	6	1	
White Marsh	2007	13	2019	T = 0(1)		
Average Age		8		(4)		
						î.
Middle Schools						
Esperanza	2013	7	2025	5		
Leonardtown	2010	10		5	3	
Margaret Brent	2005	15		4	7	
Spring Ridge	2015	5		7	-	
Average Age		9		-		
5 5						
High Schools						
Chopticon	2012	. 8	2024	4,=		
Fairlead Academy	2019		2031	- 11		
Forrest Center	2006			1	3	2005 - interior partial only
Great Mills	2009			i		2005 micerior parcial only
Leonardtown	2015			7		
Average Age	2010	8		, , , , , , , , , , , , , , , , , , ,		
Arei age Age		-				
Other Facilities						
						2017-18 partial C&I and
Central Office	2002	18	2017	- (3)	3	Fiscal Services
Supporting Services	2002				11 1 14	
Average Age		18		,		

Exterior Repainting Schedule / Appendix F

Painting Exterior Repainting Schedule

Life Cycle Repainting in years: 15

		Current		No. of Years to		
		Age of	Next Scheduled	Next	Adjusted No. of	
Name of School	Last Painting	Paint	Repainting	Repainting	Years	Status
Elementary Schools						
Benjamin Banneker	2015	5	2030	10		
Benjamin Banneker (ECC)	2011	9	2026	6		
Cpt. Walter Francis Duke	2015	ı	2030	10		
Dynard	2009	- 11	2024	4		
Evergreen	2009	П	2024	4		
George Washington Carver	2006	14	2021	_		
Green Holly (A)	2018	2	2033	13		
Green Holly (B)	2018	2	2033	13		
Greenview Knolls	2014	6	2029	9		
Hollywood	2002	18	2017	(3)		
Leonardtown	2018	2	2033	13		
Lettie Marshall Dent	2009	- 11	2024	4		
Lexington Park	2017	3	2032	12		
Mechanicsville	2002	18	2017	(3)		
Oakville	2012	8	2027	7	1	
Park Hall	2017	3	2032	12		
Piney Point	2010	10	2025	5	ı	
Ridge	2010	10	2025	5	ı	
Town Creek	2009	- 11	2024	4		
White Marsh	2009	- 11	2024	4		2007- doors
Average Age		8				
Middle Schools						
Esperanza	2001	-19	2016	-(4)		
Leonardtown	2012	8	2027	7		
Margaret Brent	2005	15	2020	0		
Spring Ridge	2015	5	2030	10	2	
Average Age		12				
High Schools						
Chopticon	2008	12	2023	3		
Fairlead Academy	2011	9	2026	6		
Forrest Center	2005	15				
Great Mills	2010	10		5	3	
Leonardtown	2020		2035	15		
Average Age		9				
Offices						
Central Office	2002	18	2017	(3)		
Supporting Services	2002	18		(1)		
Average Age	2302	18		- (=)		

Carpet Replacement Schedule / Appendix G

Carpet Replacement Schedule

Life Cycle Replacement in years: 15

		Current		No. of Years to		
		Age of	Next Scheduled	Next	Adjusted No. of	
Name of School	Last Recarpeting	Carpet	Recarpeting	Recarpeting	Years	Status
Elementary Schools						
Benjamin Banneker	2003	17	2018	(1)		CIP 2024
Benjamin Banneker (ECC)	2008	- 12	2023	3		
Cpt. Walter Francis Duke	2015	- 1	2030	10		
Dynard	2018	2	2033	13		
Evergreen	2009	- 11	2024	4		
George Washingson Carve	2006	14	2023	3	2	CIP 2023
Green Holly (A)	2020	0	2035	15		
Green Holly (B)	2017	3	2032	12	0	
Greenview Knalls	1995	- 25	2010	(69)		2005 - media center only 2017 - carpet was replaced with VCT in CR-I thru CR-I0, Computer Lab #I, and the Faculty Workroom, CIP 2022
Hollywood	2020	- 0	2037	(13)	-2	2015 all hallways and houses
Leonardtown	2007	13	2022	2		CIP 2024
Lettie Marshall Dent	2019	I	2034	14		
Lexington Park	2018	2	2036	16	3	
Mechanicsville	1999	21	2014	(6)		2013 - media center 2015 - guidance & Principal's office
Oakville	2012	8	2027	7		
Park Hall	2020	0	2035	15		
Piney Point	1998	22	2013	(7)		2017 - secretary to the principal's office, CIP 2022
Ridge	2005	- 15	2014	(6)	(6)	CIP 2023
Town Creek	2018	2	2033		(-)	
White Marsh	2018	2	2033			
Average Age		9,				
Middle Schools						
Esperanza	2000	20	2015	(5)		CIP 2022
Leonardtown	2012	8	2027	7		- B477
Margaret Brent	2006	14	2021	1		
Spring Ridge	2016	4	2031	- 11		
Average Age		12				
High Schools						
Chopticon	1999	21	2014	(6)		2010 - main office & admin. office
Fairlead Academy	2007	13	2022	2		CIP 2026
Forrest Center	2006	14	2021	1		CIP 2026
Great Mills	2008	12	2023			2014 - Auditorium
Lazmardtawn -	7002	18				CIP 2023
Average Age		16		10		
Offices				<u>.</u>		
Central Office	2002	18	2017	43)		2002 / 06 - partial completion only 2013 - Rose Alvey's Office / 2015-Conf. room (purple) & Dept. S&S (common area)
Supporting Services	2002	18	2017	(4)		2016 - Dept. of Food Service
Average Age		18				

Floor Tile Replacement Schedule / Appendix H

Floor Tile Replacement Schedule

Life Cycle Replacement in years:

35

				No. of Years to	
		Current	Next Scheduled	Next	
Name of School	Last Reflooring	Age of Tile	Reflooring	Reflooring	Status
Elementary Schools		8			
Benjamin Banneker	2003	17	2038	18	
Benjamin Banneker (ECC)	1991	29	2026	6	2013 - CR 7 & 8 CIP 2026
Cpt. Walter Francis Duke	2015	<u> </u>	2050	30	
Dynard	2018	2	2053	33	
Evergreen	2009	11	2044	24	
George Washington Carver	2006	14	2041	21	
Green Holly (A)	2020	0	2055	35	
Green Holly (B)	2018	2	2053	33	
Greenview Knolls	1993	27	2028	8	2007 - mobile units 26 & 27
Greenview Knoils	1773		2028	•	2015 - mobile 30
					2017 - CR 1-10, Computer Lab #1, and
					faculty workroom
Hallawaad	2020	0	2055	35	
Hollywood Leonardtown	2020	13	2042	22	
Lettie Marshall Dent	2007	13	2042		All complete except Hallways
Lettle Marshall Dent	2017	<u>'</u>	2034	37	2015 - main office suite
Lexington Park	2003	17	2038	18	2018 - Rm 627A, 627B, 627C
Mechanicsville	1998	22	2033	13	2016 - KIII 027A, 027B, 027C
Oakville	2003	17	2038		2003 - partial classroom / hallway
Park Hall	2020	0		35	2005 - partial classicom / Hallway
Piney Point	1998	22	2033	13	2015 - main office restroom & teacher's
rilley Foliit	1776		2033	'3	lounge restroom
Ridge	2017	3	2052	32	Classrooms only
Town Creek	2017	2	2053		Except Hallways
White Marsh	2018	2	2053		Except Hallways
Average Age	2018	10	2033	33	Except Hallways
Average Age		10			
Middle Schools					
Esperanza	2001	19	2036	16	
Leonardtown	2012	8		27	2015 - mobiles 961, 962, 963 & 964
Margaret Brent	2006	14	2041	21	2013 111001123 701, 702, 703 & 701
Spring Ridge	2016	4	2051	31	
Average Age	2010	11	2031	31	
Average Age					
High Schools					
Chopticon	2000	20	2035	15	2015 - B205
Fairlead Academy	2011	9			2013 - two bathrooms in nurse's office
Forrest Center	2006	14		21	
Great Mills	1998				2014 - F12, F13 & F14
or day 1 miles					2015 - teacher's lounge, E-04, E-06, &
					guidance office
Leonardtown	2003	17	2038	18	
Avorage Age	2003	16	2330	10	
Offices					
Central Office	2002	18	2037	17	2002 - partial reflooring only
Supporting Services	2001	19			2014 - Maint. Lobby & Bldg. Trades Office
Average Age		19			

Wood Floor Refurbishment Schedule / Appendix I

Wood Floor Refurbishment Schedule

Life Cycle Replacement in years: 35

Life Cycle Refurbishment in years:

Name of School	Last Reflorring	Current Age of Floor	Last Refurbishm ent	Next Scheduled Reflooring	Next Schedule Refurbishment	No. of Years to Next Reflooring	Status
Elementary Schools							
Benjamin Banneker	2019	1	2019	2054	2031	34	
Evergreen	2009	TI TI	2009	2044	2021	24	
Hollywood	2020	0	2020	2055	2032	35	
Leonardtown	2007	13	2008	2042	2020	22	
Park Hall	1994	26	1994	2029	2006	9	
Average Age		10					
Middle Schools							
Esperanza	2000	20	2000	2035	2012	15	
Leonardtown	2012	8	2012	2047	2024	27	
Margaret Brent	2006	14	2006	2041	2018	21	
Spring Ridge	2016	4	2016	2051	2028	31	
Average Age		12					
High Schools							
Chopticon	2008	12	2008	2043	2020	23	
Great Mills	2009	П	2009	2044	2021	24	
Leonardtown	2003	17	2020	2038	2032	18	
Average Age		13					

Vehicle Replacement Schedule / Appendix J

Vehicle Replacement Schedule

Life Cycle Replacement in years: 10
Life Cycle Replacement in mileage: 200,000

110 No.	Make	Location	Year	Current Mileage as of 08/25/20	+/-200,000 miles	Current Age	First Life Cycle	+/- First Life Cycle
73575	GMC Top Kick (Bucket Truck)	Maintenance	1995	316,414	116,414	25	2005	15
92628	Isuzu Box Truck	Maintenance	2007	248,228	48,228	13	2017	3
72259	Chevrolet 3/4 ton Van	Operations	2005	243,791	43,791	15	2015	5
78511	Chevrolet 3/4 ton Van	Maintenance	2006	217,202	17,202	14	2016	4
68872	Chevrolet 3/4 Ton Panel Van	Maintenance	2004	211,989	11,989	16	2014	6
74394	Ford L550	Maintenance	2006	205,743	5,743	14	2016	4
51011	Mercury Mountaineer	Transportation	2000	191,466	(8,534)	20	2010	10
70766	Chevrolet 3/4 ton Van	Maintenance	2004	191,174	(8,826)	18	2014	8
45736	Chevrolet Van 3/4 ton	Food Service	1999	185,327	(14,673)	21	2009	11.
50355	3/4 Ton Panel Van	Maintenance	1999	181,812	(18,188)	21	2009	11
74392	Ford E450	Maintenance	2006	168,488	(31,512)	14	2016	4
50374	Ford Taurus	Maintenance	1998	157,694	(42,306)	22	2008	12
87094	Ford 3/4 Ton Panel Van	Maintenance	2009	154,255	(45,745)	111	2019	ii q =
62462	Ford F150	Maintenance	2001	154,206	(45,794)	19	2011	9
53296	Chevrolet Lumina	Operations	2000	149,235	(50,765)	20	2010	10
66432	Ford Focus	Technology	2000	148,022	(51,978)	20	2010	10
62472	Chevrolet 3/4 ton Van	Technology	2002	144,179	(55,821)	18	2012	8
74433	Chevrolet 3/4 ton Van	Maintenance	2006	142,832	(57,168)	14	2016	4
59210	Chevrolet I/2 Ton Pickup	Maintenance	2001	141,033	(58,967)	19	2011	9
76155	Ford Taurus	D&C	2003	140,904	(59,096)	17	2013	7
87091	Ford 3/4 Ton Panel Van	Maintenance	2009	140,035	(59,965)	10	2019	11.21.33
53286	3/4 Ton Panel Van	Maintenance	2000	139,624	(69,376)	20	2010	10
62476	Chevrolet I/4 ton Van	Food Service	2002	138,489	(61,511)	18	2012	8
74430	Ford Taurus	FLA II	2003	133,466	(66,534)	17	2013	7
72261	Ford Taurus	D&C	2000	130,677	(69,323)	20	2010	10
92563	Chevrolet Van	Maintenance	2013	127,020	(72,980)	7	2023	(3)
59198	Chevrolet 3/4 Ton Pickup	Maintenance	2001	126,861	(73,139)	19	2011	9
62475	Chevrolet 3/4 ton Van	Technology	2002	124,580	(75,420)	18	2012	8
76191	Ford Expedition	FLAI	2001	123,994	(75,006)	19	2011	9
59211	Chevrolet I/2 Ton Pickup	Maintenance	2001	122,264	(77,736)	19	2011	9
66433	Ford Focus	Technology	2001	120,391	(79,609)	19	2011	9
53318	I Ton Panel Van	Maintenance	1999	120,379	(79,621)	21	2009	II.
68850	Chevrolet Blazer	D&C	2004	115,842	(84,158)	16	2014	6
77455	Ford F450	Maintenance	2006	115,075	(84,925)	14	2016	4
10516	Isuzu Box Truck	Operations	2012	113,094	(86,906)	8	2022	(2)
78542	Chevrolet 8 pass Van	DSS	2007	113,041	(86,959)	13	2017	3
70782	Ford Taurus	PPW	2003	111,978	(88,022)	17	2013	7
87092	Ford 3/4 Ton Panel Van	Maintenance	2009	111,716	(88,284)	-11	2019	1

Vehicle Replacement Schedule

Life Cycle Replacement in years: 10
Life Cycle Replacement in mileage: 200,000

ID No.	Make	Location	Year	Current Mileage as of 08/25/20	+/-200,000 miles	Current Age	First Life Cycle	+/- First Life Cycle
72260	Chevrolet 3/4 ton Van	Maintenance	2005	111,140	(88,860)	15	2015	5
78540	Ford Taurus	PPW	2006	106,558	(93,442)	14	2016	4
62469	Chevrolet Blazer	Maintenance	2002	105,564	(94,436)	18	2012	8
62480	Chevrolet Astro Van	Safety & Security	2002	104,945	(95,055)	18	2012	8
70772	Chevrolet Blazer	Operations	2004	103,830	(96,170)	16	2014	6
89124	Chevrolet 3/4 ton Van	Technology	2001	101,964	(98,036)	19	2011	9
74431	Ford Taurus	Food Service	2004	101,729	(98,271)	16	2014	6
59247	Chevrolet 1/2 Ton Pickup	Maintenance	2001	101,088	(98,912)	19	2011	9
62492	Chevrolet I/4 ton Van	Technology	2002	99,024	(100,976)	18	2012	- 8
87090	Ford 3/4 Ton Panel Van	Maintenance	2009	97,552	(102,448)	11	2019	L t
74434	Chevrolet 3/4 ton Van	Technology	2006	96,595	(103,405)	14	2016	4
66421	Mercury Mountaineer	Food Service	2000	96,460	(103,540)	20	2010	10
42679	GMC 3/4 Ton Pickup	Operations	1995	96,252	(103,748)	25	2005	15
66420	Ford Focus	Technology	2000	94,741	(105,259)	20	2010	10
62473	Chevrolet I/4 ton Van	Safety & Security	2002	93,163	(106,837)	18	2012	8
89139	Ford 3/4 Ton Panel Van	Maintenance	2001	91,752	(108,248)	19	2011	9
62474	Chevrolet I/4 ton Van	Safety & Security	2002	90,397	(109,603)	18	2012	8
70784	Ford Taurus	Technology	2003	89,005	(110,995)	17	2013	7
87071	Ford F150 Pick Up	Maintenance	2007	87,435	(112,565)	13	2017	3
92562	Chevrolet P/U	Maintenance	2013	82,099	(117,901)	7	2023	(3)
89128	Ford 3/4 Ton Panel Van	Maintenance	2011	80,479	(119,521)	9	2021	(I)
87095	Ford Focus	Moakley-Loaner	2010	80,245	(119,755)	10	2020	0
99181	Chevrolet Van 3/4	Operations	2016	72,527	(127,473)	4	2026	(6)
92564	Chevrolet Van	Maintenance	2013	72,117	(127,883)	7	2023	(3)
92627	Chevy Express Van	Maintenance	2014	71,695	(128,305)	6	2024	(4)
92565	Chevrolet Van	Maintenance	2013	71,046	(128,954)	7	2023	(3)
89125	Ford Focus	Moakley-Loaner	2011	69,427	(130,573)	9	2021	(1)
84701	Ford Focus	Maintenance-Loaner	2007	69,135	(130,865)	13	2017	3
78532	Chevrolet 8 pass Van	Tech Center	2007	68,944	(131,056)	13	2017	3
64802	Chevrolet Astro 8-Seat Van	DSS-Loaner	2002	65,519	(134,481)	18	2012	8
92623	Dodge Mini Van	Moakley-Loaner	2014	65,371	(134,629)	6	2024	(4)
81243	Chevrolet Pick up	Operations	1997	64,930	(135,070)	23	2,024	13
78512	Ford Escape	Technology	2007	62,358	(137,642)	13	2017	3
81244	Ford Escape	Safety & Security	2008	60,201	(139,799)	12	2018	2
62456	Ford F150	Operations	2001	57,611	(142,389)	19	2011	9
87086	Ford Escape	Safety & Security	2010	55,226	(144,774)	3	2020	(7).
77450	Chevrolet Blazer	Transportation	2006	54,263	(145,737)		2016	(9)

Vehicle Replacement Schedule

Life Cycle Replacement in years: 10
Life Cycle Replacement in mileage: 200,000

ID No.	Make	Location	Year	Current Mileage as of 08/25/20	+/-200,000 miles	Current Age	First Life Cycle	+/- First Life Cycle
92561	Chevrolet P/U	Maintenance	2013	50,615	(149,385)	7	2023	(3)
87087	Ford Escape	Operations	2010	49,985	(150,015)	10	2020	0
07661	Chevrolet Van 3/4	Technology	2016	49,842	(150,158)	0.	2026	(9)
87084	Ford Explorer	Transportation	2010	47,404	(152,596)	10	2020	0
99179	Chevrolet Van 3/4	Maintenance	2016	43,955	(156,045)	4	2026	(6)
99178	Ford Focus	PPW	2015	43,785	(156,215)	3	2025	(7)
76199	Chevrolet Blazer	Maintenance	2006	41,850	(158,150)		2016	(9)
92634	Ford F-250 P/U	Maintenance	2014	39,844	(160,156)	2	2024	(8)
87085	Ford Explorer	DSS	2010	37,183	(162,817)	2	2020	(8)
07674	Ford Transit 3/4ton Van	Operations	2018	31,937	(168,063)	2	2028	(8)
99170	Chevrolet Silverado	Operations	2015	31,052	(168,948)	5	2025	(5)
99157	Dodge Journey	Food Service	2015	30,042	(169,958)	5	2025	(5)
92602	Chevrolet Van	Safety & Security	2013	28,450	(171,550)	5	2023	(5)
06719	Frieghtliner	Food Service	2018	22,356	(177,644)	5	2028	(5)
99160	Chevrolet Traverse	Head Start	2015	22,185	(177,815)	5	2025	(5)
89126	Ford Escape	Capital Planning	2011	18,433	(181,567)	5	2021	(5)
99176	Ford Focus	PPW	2015	14,231	(185,769)	3	2025	(7)
07670	Ford Focus	PPW	2018	13,496	(186,504)	2	2028	(8)
07672	Ford Transit 3/4ton Van	Maintenance	2018	12,073	(187,927)	2	2028	(8)
10513	Chevrolet Malibu	Moakley	2018	11,383	(188,617)	2	2028	(8)
07671	Ford Focus	PPW	2018	10,563	(189,437)	2	2028	(8)
99161	Chevrolet Traverse	Head Start	2015	10,076	(189,924)	2	2025	(8)
99177	Ford Focus	PPW	2015	9,734	(190,266)	2	2025	(8)
11376	Dodge Ram ProMaster	Maintenance	2018	9,697	(190,303)	2	2028	(8)
06716	Chevrolet Silverado	Maintenance	2017	6,947	(193,053)	2	2027	(8)
07675	Ford Focus	PPW	2018	5,347	(194,653)	8	2028	(2)
07673	Ford Transit 3/4ton Van	Technology	2018	2,427	(197,573)	2	2028	(8)
12765	Ford Focus	Moakley	2018	1,786	(198,214)	2	2028	(8)
12764	Ford Escape	Moakley	2018	500	(199,500)	2	2028	(8)

Generator Replacement Schedule / Appendix K

Generator Replacement Schedule

Life Cycle Replacement in years: 25

Name of School	Last Generator Replacement	Current Age of Generator	Next Scheduled Replacement	No. of Years to Next Replacement	Adjusted No. of Years	Status
Elementary Schools						
Benjamin Banneker - 105 kW	2002	18	2027	7		
Benjamin Banneker (ECC) - 1500 kW	2011	9	2036	16		
Cpt. Walter Francis Duke - 180 kW	2015	- 6	2040	20		
Dynard -100 kW	1991	29	2021	T	5	CIP 2020
Evergreen - 230 kW	2008	12	2033	13		
George Washington Carver - 81 kW	2005	15	2030	10		
Green Holly (A) - 12 kW	1995	25	2020	0		CIP 2020
Green Holly (B) - 33 kW	1989	31	2014	(6)	0	
Greenview Knolls - 30 kW	2010	10	2035	15	0	This unit was relocated from Spring Ridge Middle 10-16-17
Hollywood -60 kW	1992	28	2023		6	CIP 2020
Leonardtown - 125 kW	2006	14	2031	ii ii		
Lettie Marshall Dent -20 kW	2012	8	2037	17		
Lexington Park -20 kW	2002	18	2027	7		
Mechanicsville	None	10	2027			
Oakville -25 kW	2019	- 1	2041	21	(3)	
Park Hall - 15 kW	2017	3.	2042		(3)	6/22/17 - new generator, connected to old transfer switch
Piney Point - 45 kW	1997	23	2022	2	0	CIP 2023
Ridge	None	13	2022			CII 2023
Town Creek	None					
White Marsh	None					5/2017 - under design
Average Age	Hone	15				5/2017 Abrider design
Middle Schools		1			1	T and
Esperanza - 60 kW	1998	22	2023	3		CIP 2025
Leonardtown - 130 kW	2005	15	2030	10		
Margaret Brent - 275 kW	2003	17	2028	8		
Spring Ridge - 30 kW	2014	6	2039	19		
Average Age		15				
High Schools		1		1	- 1	
Chopticon - 275 kW	1998	22	2023	3		CIP 2025
Chopticon (sewage plant) - 155 kW	2020	0	2045	25		
Fairlead Academy	None					
Forrest Center - 200 kW	2002	18	2027		1	
Great Mills - 100/150 kW	2008	12	2033	13	0	
Leonardtown - 275 kW	1999	21	2024	4		CIP 2024
Average Age		15				
Offices						
Central Office	None					
Supporting Services - 100/150 kW	2008	12	2033	13		
AG Building/Print Shop	None					
Average Age		-12				

Athletic Amenities Replacement Schedule / Appendix L

Athletics
Current Year: 2020

Scorebaord Life Cycle Replacement in years:

15

			Interior Sco	reboards		
Name of School	Last Replacement	Current Age	Next Scheduled Replacement	No. of Years to Next Replacement	Adjusted No. of Years	Status
Middle Schools						
Esperanza	2017	3	2032	12		
Leonardtown	2017	3	2032	12		
Margaret Brent	2017	3	2032	12		
Spring Ridge	2017	3	2032	12		
Average Age		3				
High Schools					- 11	
Chopticon	2017	3	2032	12	11	
Great Mills	2017	.3	2032	12		
Leonardtown	2017	3	2032	12		
Average Age		2			111	
Average Age		3				

Stadium Scoreboards								
Name of School	Last Replacement	Current Age	Next Scheduled Replacement	No. of Years to Next Replacement	Adjusted No. of Years	Status		
High Schools								
Chopticon	2015	5	2,030	10	1, 1			
Great Mills	2012	8	2,027	7				
Leonardtown	2016	4	2,031	= 11	- 11			
Average Age		4			- b			
Average Age		5			100			

Tennis Court / Running Track Life Cycle Replacement in years:

15

Tennis Court Resurfacing								
Name of School	Last Replacement	Current Age	Next Scheduled Replacement	No. of Years to Next Replacement	Adjusted No. of Years	Status		
High Schools								
Chopticon	2016	4	2033	13	2			
Great Mills	2016	4	2033	13	2			
Leonardtown	2012	8	2029	9	2			
Average Age		- 4						
Average Age		5			+			

Running Track Resurfacing									
Name of School	Last Replacement	Current Age	Next Scheduled Replacement	No. of Years to Next Replacement	Adjusted No. of Years	Status			
High Schools			11.		1				
Chopticon	2018	2	2034	14	11				
Great Mills	2017	3	2032	12					
Leonardtown	2014	6	2032	12	3				
Average Age		3			14	.T.			
Average Age		3							

Fire Alarm Replacement Schedule / Appendix M

Fire Alarm Replacement Schedule

Life Cycle Replacement in years: 20

Name of School	Last Fire Alarm Replacement	Current Age of Fire Alarm	Next Scheduled Replacement	No. of Years to Next Replacement	Adjusted No. of Years	Status
Elementary Schools	1					
Benjamin Banneker	2003	17	2023	3		Main Panel Obsolete
Benjamin Banneker (ECC)	2014	6	2034	14		
Cpt. Walter Francis Duke	2015	5	2035	15		
Dynard	1992	28	2012	(8)		2005 - new additional fire alarm panel was added to the existing fire alarm system
Evergreen	2009	1,1	2029	9		
George Washington Carver	2006	14	2026	6		
Green Holly (A)	2019	1	2039	19		CIP 2020
Green Holly (B)	1992	28	2012	(8)		
Greenview Knolls	1997	23	2017	(3)		Main Panel Obsolete
Hollywood	1993	27	2013	(7)		5/2017 - repairs to fire alarm system completed due to lightening strike damage
Leonardtown	2008	12	2028	8		
Lettie Marshall Dent	1992	28	2012	(8)		Main Panel Obsolete
Lexington Park	2003	17	2023	3		
Mechanicsville	1990	30	2010	(10)		CIP 202 I
Oakville	2005	15	2025	5		
Park Hall	2009	11	2029	9		
Piney Point	2006	14	2026	6		Main Panel Obsolete 2019
Ridge	2018	2	2038	18		
Town Creek	2003	17	2023	3		6/2017 - upgrade and addition o mobile units into main fire alarm system
White Marsh	1978	42	1998	(22)		Main Panel Obsolete - this project has been deferred
Average Age		17				
Middle Schools						
Esperanza	2000	20	2020	0		Main Panel Obsolete
Leonardtown	2012	8	2032	12		
Margaret Brent	2005	15	2025	5		-
Spring Ridge	2016	4	2036	16		
Average Age		12				
High Schools						
Chopticon	2020	0	2040	20		
Fairlead Academy	2011	9	2031	-0		
Forrest Center	2006	14	2026	6		
Great Mills	2020	0	2040	20		2016 - upgrade to existing fire alarm system in progress
Leonardtown	2014	6	2034	14		
Average Age		6	2007			
Offices						
Central Office	2003	17	2023	3		
Supporting Services	2000	20	2020	0		Main Panel Obsolete
Average Age	2500	19	2020			The same and the s

Maintenance Staffing Assessment 2020

Total Facilities Square Footage 2,571,404
Relocatable Square Footage 137,122
Total Number of Staff 39.45

STAFFING	NUMBER	Sq. Ft. Per staffing function
Carpenters	3	857,135
Cabinet Maker	1	2,571,404
Plumbers	3	857,135
Electricians	3	857,135
HVAC	6.25	411,425
Fire Security	1	2,571,404
Roofers	2	1,285,702
Painters	1	2,571,404
Locksmith	1	2,571,404
Grounds	3.2	803,564
Vehicle Mechanics	1	2,571,404
FMS Operator	0.5	5,142,808
Wastewater Treatment	0.5	5,142,808
Work Management	1	2,571,404
Team Leaders	5	514,281
Foremen	2	1,285,702
Accounting Clerk, Sr.	1	2,571,404
Secretarial	1	2,571,404
Project Coordinator	1	2,571,404
Director	1	2,571,404
Total Staff	39.45	

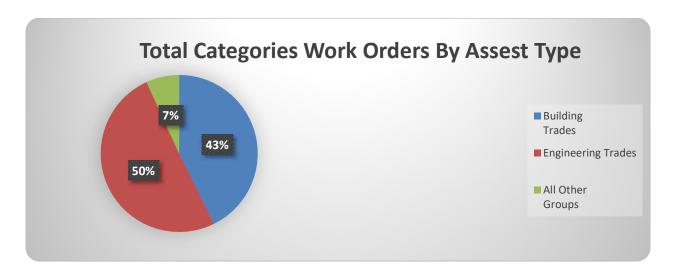
Equipment Summary

<u>ITEM</u>	QUANTITY
Relocatable	109
Chillers	23
Boilers	71
A/C Roof Top Units	298
A/C Units	844
Cooling Towers	5
Fire Sprinkler Heads	14,500
Smoke Detectors	840
Fire Alarm Horn/Strobes	2,860
Strobes	2,180
Fire Extinguishers	1,850
Vehicles	99
Buses	22
Commercial Refrigerators	45
Commercial Freezers	45
Commercial Dishwashers	27
Commercial Gas Stoves	40
Commercial Ice Machines	40
Electrical Panels (Starters,	3,560
Disconnects, etc.)	
Electrical Receptacles	19,560
Interior Lights	26,570
Exterior Lights	875
Urinals	230
Lavatories	1,190
Faucets	1,750
Water Coolers/Fountains	730
Sewage Plants	2
Lift Stations	7
Bleachers	49 Sets (Int./Ext)

ITEM	QUANTITY
Bathroom Partitions	336 sets
Wall Lockers	12,000
Doors	17,832
Associated Key Ways	12 different types
Parking Lots	74
Tennis and Basketball Courts	17
Cafeteria Tables	560
Miles of Fencing	149
Mechanical Piping	102 miles
Electrical Wiring	270 miles
Faucets	1,800
Clocks	5,040
Electric Motors 1/32 HP-100HP	9,480
Emergency Generators—Electrical	21

2020 Work Order Closure Summary

FACILITY	Building Trades	Engineering Trades	All Other Groups	Total By Facility	%
Elementary School	2,158	2,406	310	4,874	50%
Middle School	592	773	68	1,433	15%
High Schools	982	1,254	105	2,341	24%
Centers	206	98	5	309	3%
Offices	221	386	177	784	8%
Total Categories	4,159	4,917	665	9,741	100%



10 Most Frequently Performed Tasks

