



Baltimore County Launches Multi-Year Improvement Plan for All Schools

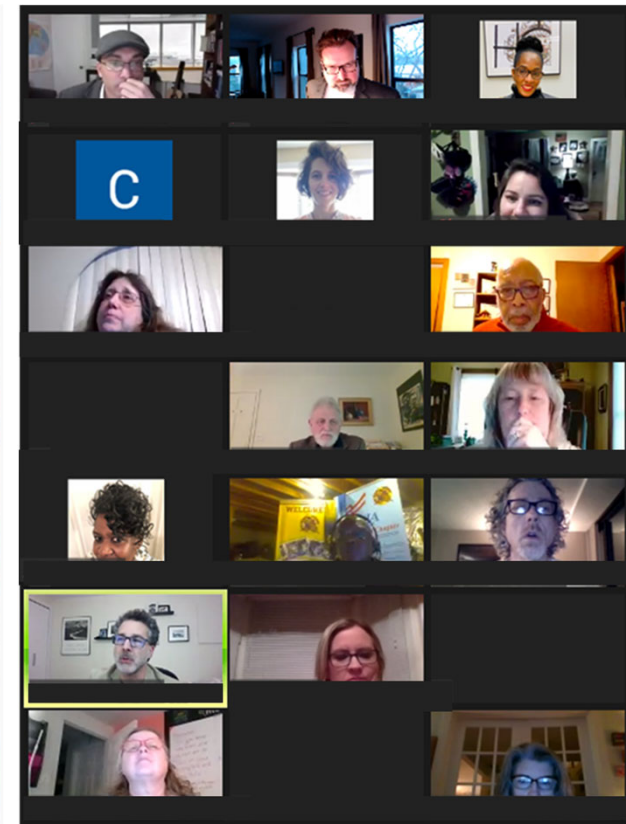
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Multi-Year Improvement Plan for All Schools (MYIPAS)

Facility Assessment Findings, Phase 2

March 23, 2020



CANNONDESIGN

Introductions



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**EDUCATIONAL
FACILITIES
PLANNING, LLC**

Agenda

Overview

Benchmarking

Assessment Findings



Overview

MYIPAS Purpose:

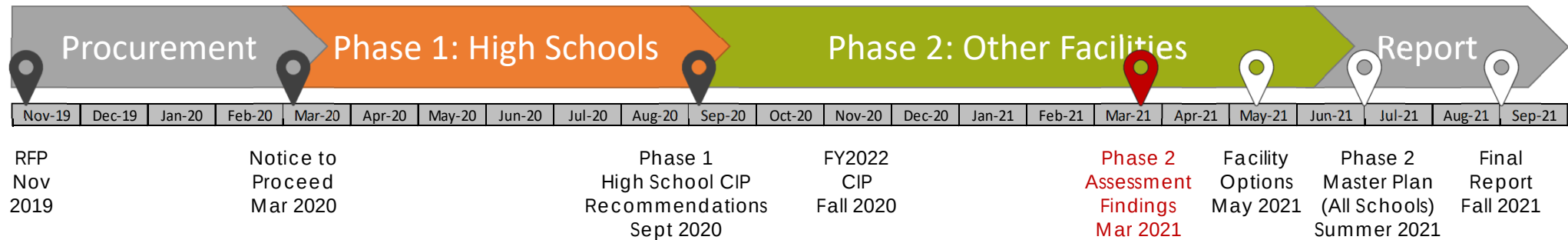
- o Develop Capital Improvement Program (CIP) with resources allocated **equitably**
- o Maximize State funding & find no-cost solutions
- o Assess facilities with three pillars of analysis:
 1. **Educational Adequacy and Equity**
 2. **Facility Condition**
 3. **Capacity Utilization**
- o Define facility priorities with community/stakeholder input

CannonDesign's role:

- Assessments and planning facilitation
- **Impartial, unbiased** recommendations



Progress



Critical milestones:

- Phase 1: Interim High School CIP recommendations, Fall 2020
- **Phase 2: Assessment Findings (ES, MS)**
- Phase 2: Facility Options
- Phase 2: Multiyear Improvement Plan for All Schools, Summer 2021
- Final Report, Fall 2021
- Community Forums: Jan, Feb, Jun, Jul

Benchmarking

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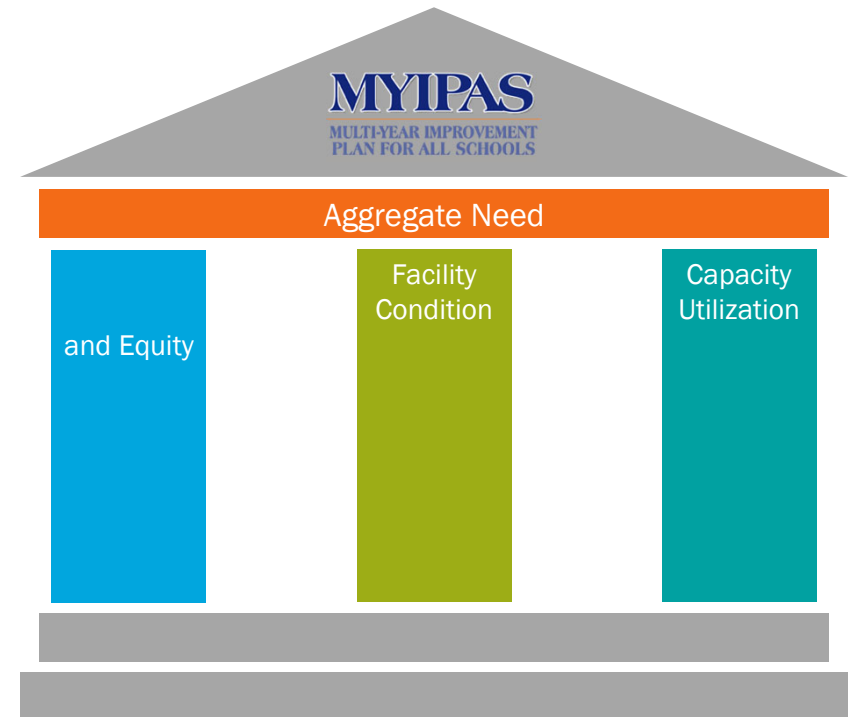


Benchmarking

Aggregate Need Ranking - based on 'three pillars' of assessment:

1. Educational Adequacy & Equity
2. Facility Condition
3. Capacity Utilization

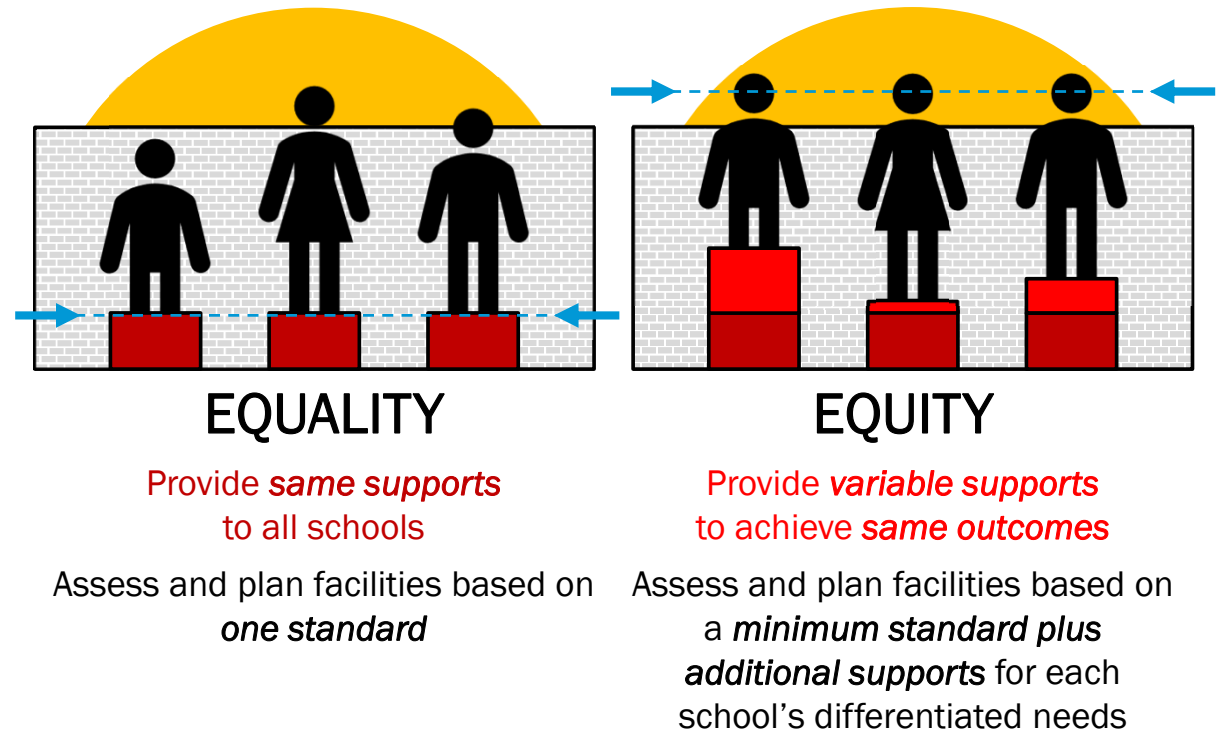
Greater need, higher priority



Benchmarking

1. Educational Adequacy & Equity

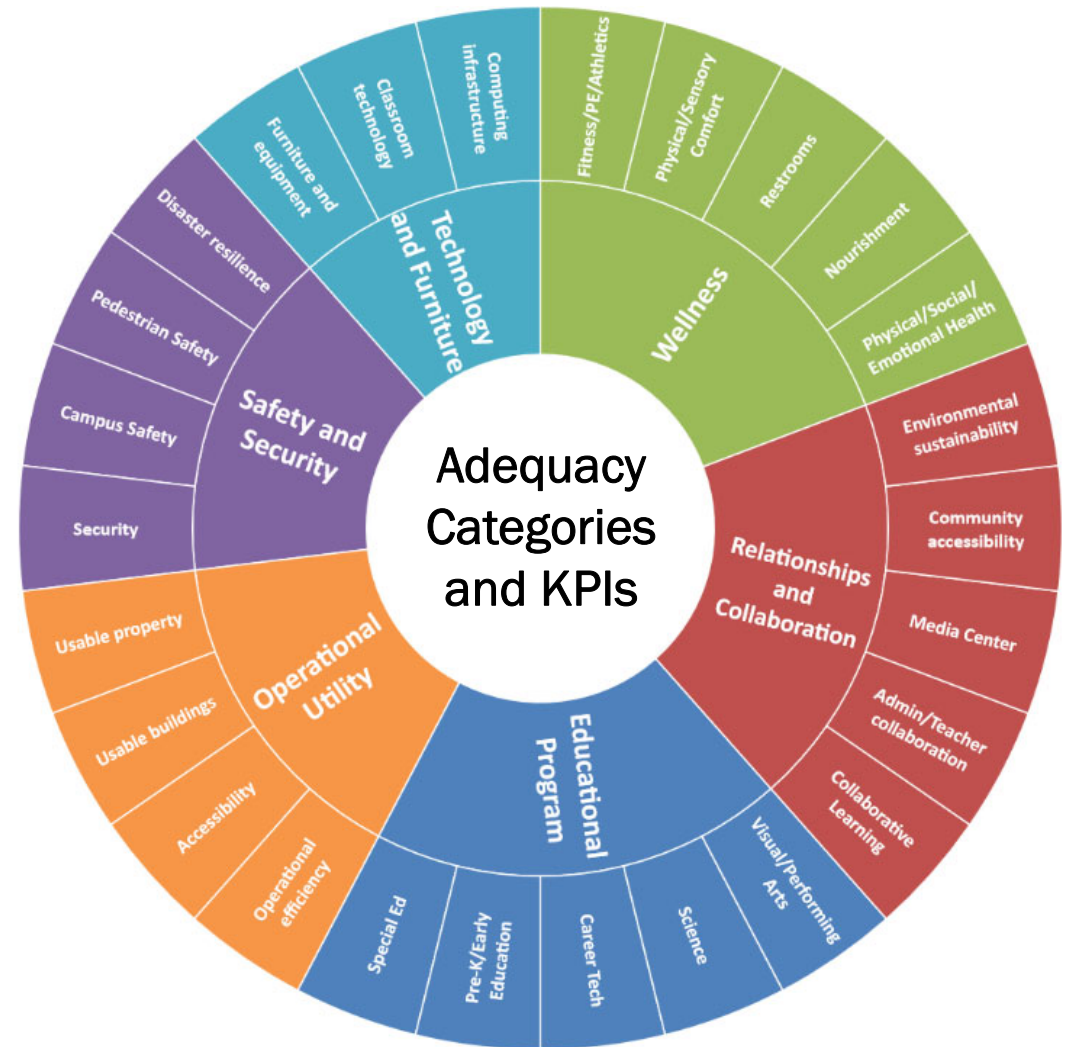
- Equity driven by objective measures against consistent standards and allowances for vulnerable student populations.
- Assessments updated based on community feedback:
 - 1970's Open-Plan Schools
 - 1990's Modular Buildings
 - Additional equity metrics for vulnerable populations



Benchmarking

1. Educational Adequacy & Equity

- Weighted rubric - 6 Categories, 29 Key Performance Indicators (KPIs)
- Equity measures woven into multiple Categories and KPIs.
- 1970s Open Plan design schools affect multiple Categories and KPIs.
- Breakdown and weights developed with stakeholder focus group



Educational Adequacy and Equity – Middle Schools

1. Educational Adequacy & Equity

- Scores and ranking
(Lower score = higher need)

School	Educational Adequacy & Equity Score		Rank
			
Pine Grove MS (NE)		45	1
Deer Park MS (NW)		48	2
Golden Ring MS (NE)		50	3
Lansdowne MS (SW)		51	4
Catonsville MS (SW)		51	5
Hereford MS (C)		55	6
Northwest Academy (NW)		56	7
Perry Hall MS (NE)		57	8
General John Stricker MS (SE)		58	9
Dumbarton MS (C)		59	10
Franklin MS (NW)		59	11
Woodlawn MS (SW)		59	12
Holabird MS (SE)		60	13
Dundalk MS (SE)		61	14
Cockeysville MS (C)		61	15
Sparrows Point MS (SE)		62	16
Pikesville MS (NW)		62	17
Loch Raven Tech Acad (C)		63	18
Middle River MS (NE)		63	19
Ridgely MS (C)		63	20
Arbutus MS (SW)		64	21
Southwest Academy (SW)		64	22
Stemmers Run MS (NE)		66	23
Parkville MS (NE)		66	24
Sudbrook Magnet MS (NW)		68	25
Windsor Mill MS (SW)		69	26
Deep Creek MS (SE)		71	27

Educational Adequacy and Equity – Elementary Schools

School	Educational Adequacy & Equity Score 	Rank
Summit Park ES (NW)	43	1
Chatsworth School (NW)	44	2
Johnnycake ES (SW)	50	3
Red House Run ES (NE)	50	4
Scotts Branch ES (NW)	50	5
Pine Grove ES (NE)	51	6
Reisterstown ES (NW)	51	7
Carroll Manor ES (C)	52	8
Deer Park ES (NW)	53	9
Woodbridge ES (SW)	54	10
Fifth District ES (C)	54	11
Owings Mills ES (NW)	55	12
Chesapeake Terrace ES (SE)	55	13
Oakleigh ES (C)	55	14
Woodmoor ES (SW)	56	15
Seventh District ES (C)	56	16
Bedford ES (NW)	56	17
Carney ES (NE)	56	18
Church Lane ES (NW)	56	19
Sandalwood ES (SE)	57	20
Fullerton ES (NE)	57	21
Timonium ES (C)	57	22
Franklin ES (NW)	57	23
Logan ES (SE)	57	24
Middlesex ES (NE)	58	25
Powhatan ES (SW)	58	26
Shady Spring ES (NE)	58	27
Padonia ES (C)	58	28
Randallstown ES (NW)	58	29
Pinewood ES (C)	58	30

School	Educational Adequacy & Equity Score 	Rank
Pleasant Plains ES (C)	58	30
Joppa View ES (NE)	58	32
Hawthorne ES (SE)	58	33
Elmwood ES (NE)	59	34
Chapel Hill ES (NE)	59	35
Deep Creek ES (SE)	59	36
Orems ES (NE)	59	37
Milbrook ES (NW)	60	38
Lutherville Laboratory (C)	60	39
Perry Hall ES (NE)	61	40
Winfield ES (SW)	61	41
Charlesmont ES (SE)	61	42
Riverview ES (SW)	61	42
Hebbville ES (SW)	62	44
Sparks ES (C)	62	45
Glyndon ES (NW)	62	46
Pot Spring ES (C)	62	47
Battle Grove ES (SE)	62	48
Norwood ES (SE)	63	49
Cromwell Valley ES (C)	63	50
Bear Creek ES (SE)	64	51
Chadwick ES (SW)	64	52
Glenmar ES (NE)	64	53
Chase ES (SE)	64	54
Riderwood ES (C)	65	55
Warren ES (C)	65	56
Halstead Academy (C)	65	57
Middleborough ES (SE)	66	58
Sandy Plains ES (SE)	66	59
Villa Cresta ES (C)	66	60

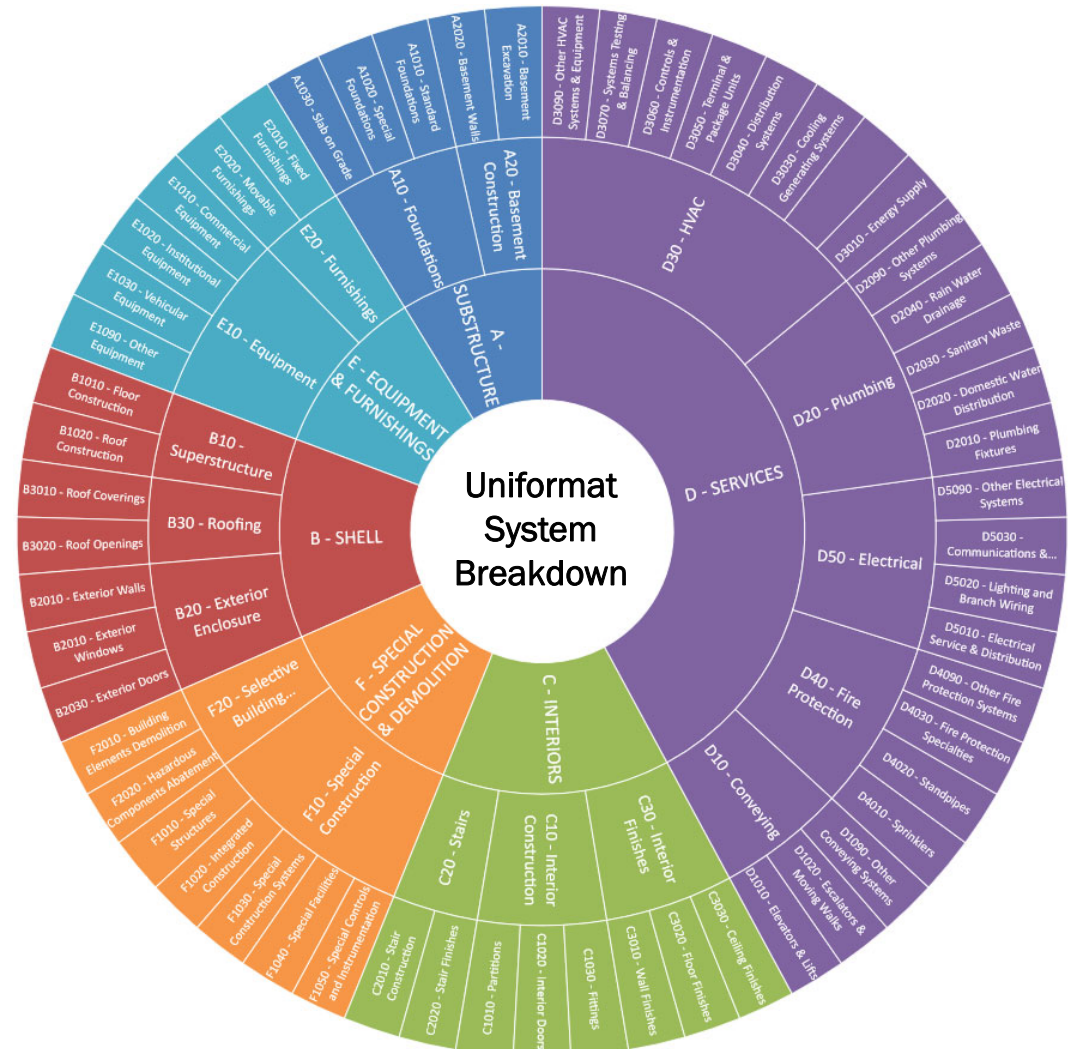
School	Educational Adequacy & Equity Score 	Rank
Edmondson Heights ES (SW)	66	61
Grange ES (SE)	66	62
Fort Garrison ES (NW)	66	63
Prettyboy ES (C)	67	64
Sussex ES (SE)	67	65
Halethorpe ES (SW)	67	66
Jacksonville ES (C)	67	67
Stoneleigh ES (C)	68	68
Timber Grove ES (NW)	68	69
Baltimore Highlands ES (SW)	68	70
Wellwood ES (NW)	69	71
Seneca ES (SE)	69	72
Woodholme ES (NW)	70	73
Cedarmere ES (NW)	70	74
Gunpowder ES (NE)	70	75
New Town ES (NW)	70	76
McCormick ES (NE)	71	77
Winand ES (NW)	71	78
Harford Hills ES (NE)	71	79
Mars Estates ES (SE)	72	80
Featherbed Lane ES (SW)	72	81
Berkshire ES (SE)	72	82
Seven Oaks ES (NE)	72	83
Hernwood ES (NW)	73	84
Kingsville ES (NE)	73	85
Rodgers Forge ES (C)	73	86
Hillcrest ES (SW)	73	87
Arbutus ES (SW)	74	88
Edgemere ES (SE)	74	89
Dogwood ES (SW)	74	90

School	Educational Adequacy & Equity Score 	Rank
Martin Boulevard ES (NE)	74	91
Oliver Beach ES (SE)	75	92
Hampton ES (C)	76	93
Colgate ES (SE)	78	94
Essex ES (NE)	79	95
Westchester ES (SW)	79	96
Vincent Farm ES (NE)	81	97
Victory Villa ES (NE)	81	98
West Towson ES (C)	82	99
Lansdowne ES (SW)	82	100
Catonsville ES (SW)	83	101
Mays Chapel ES (C)	83	102
Westowne ES (SW)	85	103
Honeygo ES (NE)	85	104
Dundalk ES (SE)	86	105
Relay ES (SW)	86	106
Lyons Mill ES (NW)	87	107

Benchmarking

2. Facility Condition

- Industry standard Facility Condition Index (FCI) assessment approach
- Uniformat system breakdown weighted by cost
- Validated by stakeholder focus group



Facility Condition – Middle Schools

2. Facility Condition

- Scores and ranking
(Lower score = higher need)

School	Educational Adequacy & Equity Score		Facility Condition Score	
		Rank		Rank
Catonsville MS (SW)	 51	5	 74	1
Deer Park MS (NW)	 48	2	 75	2
Lansdowne MS (SW)	 51	4	 77	3
Northwest Academy (NW)	 56	7	 78	4
Holabird MS (SE)	 60	13	 79	5
General John Stricker MS (SE)	 58	9	 80	6
Stemmers Run MS (NE)	 66	23	 80	6
Dundalk MS (SE)	 61	14	 81	8
Cockeysville MS (C)	 61	15	 81	8
Perry Hall MS (NE)	 57	8	 82	10
Golden Ring MS (NE)	 50	3	 82	10
Southwest Academy (SW)	 64	22	 82	10
Pine Grove MS (NE)	 45	1	 83	13
Pikesville MS (NW)	 62	17	 83	13
Windsor Mill MS (SW)	 69	26	 85	15
Sparrows Point MS (SE)	 62	16	 85	15
Parkville MS (NE)	 66	24	 87	17
Arbutus MS (SW)	 64	21	 87	17
Franklin MS (NW)	 59	11	 87	17
Ridgely MS (C)	 63	20	 90	20
Middle River MS (NE)	 63	19	 90	20
Hereford MS (C)	 55	6	 90	20
Woodlawn MS (SW)	 59	12	 90	20
Deep Creek MS (SE)	 71	27	 90	20
Loch Raven Tech Acad (C)	 63	18	 93	25
Sudbrook Magnet MS (NW)	 68	25	 94	26
Dumbarton MS (C)	 59	10	 97	27

Facility Condition – Elementary Schools

School	Facility Condition Score	Rank
Red House Run ES (NE)	65	1
Bedford ES (NW)	65	2
Summit Park ES (NW)	65	3
Scotts Branch ES (NW)	65	4
Deer Park ES (NW)	65	4
Logan ES (SE)	68	6
Winfield ES (SW)	68	6
Seneca ES (SE)	68	6
Mars Estates ES (SE)	69	9
Halethorpe ES (SW)	70	10
Fullerton ES (NE)	71	11
Perry Hall ES (NE)	71	11
Arbutus ES (SW)	71	11
McCormick ES (NE)	71	11
Deep Creek ES (SE)	72	15
Pine Grove ES (NE)	72	15
Sussex ES (SE)	73	17
Hernwood ES (NW)	73	17
Edgemere ES (SE)	73	17
Seventh District ES (C)	74	20
Cedarmere ES (NW)	74	20
Gunpowder ES (NE)	74	20
Shady Spring ES (NE)	74	20
Glyndon ES (NW)	74	20
Winand ES (NW)	75	25
Sandy Plains ES (SE)	75	25
Timber Grove ES (NW)	75	25
Rodgers Forge ES (C)	76	28
Pinewood ES (C)	76	28
Timonium ES (C)	77	30

School	Facility Condition Score	Rank
Milbrook ES (NW)	77	30
Harford Hills ES (NE)	78	32
Powhatan ES (SW)	78	32
Martin Boulevard ES (NE)	78	32
Carroll Manor ES (C)	79	35
Riderwood ES (C)	79	35
Prettyboy ES (C)	79	35
Padonia ES (C)	79	35
Sandalwood ES (SE)	79	35
Cromwell Valley ES (C)	79	35
Fifth District ES (C)	80	41
Chesapeake Terrace ES (SE)	80	41
Jacksonville ES (C)	80	41
Church Lane ES (NW)	80	41
Glenmar ES (NE)	80	41
Essex ES (NE)	80	41
Owings Mills ES (NW)	81	47
Joppa View ES (NE)	81	47
Woodbridge ES (SW)	81	47
Chapel Hill ES (NE)	81	47
Charlesmont ES (SE)	81	47
Middleborough ES (SE)	81	47
Fort Garrison ES (NW)	81	47
Baltimore Highlands ES (SW)	81	47
Reisterstown ES (NW)	82	55
New Town ES (NW)	82	55
Chatsworth School (NW)	82	55
Franklin ES (NW)	82	55
Norwood ES (SE)	82	55
Hillcrest ES (SW)	82	55

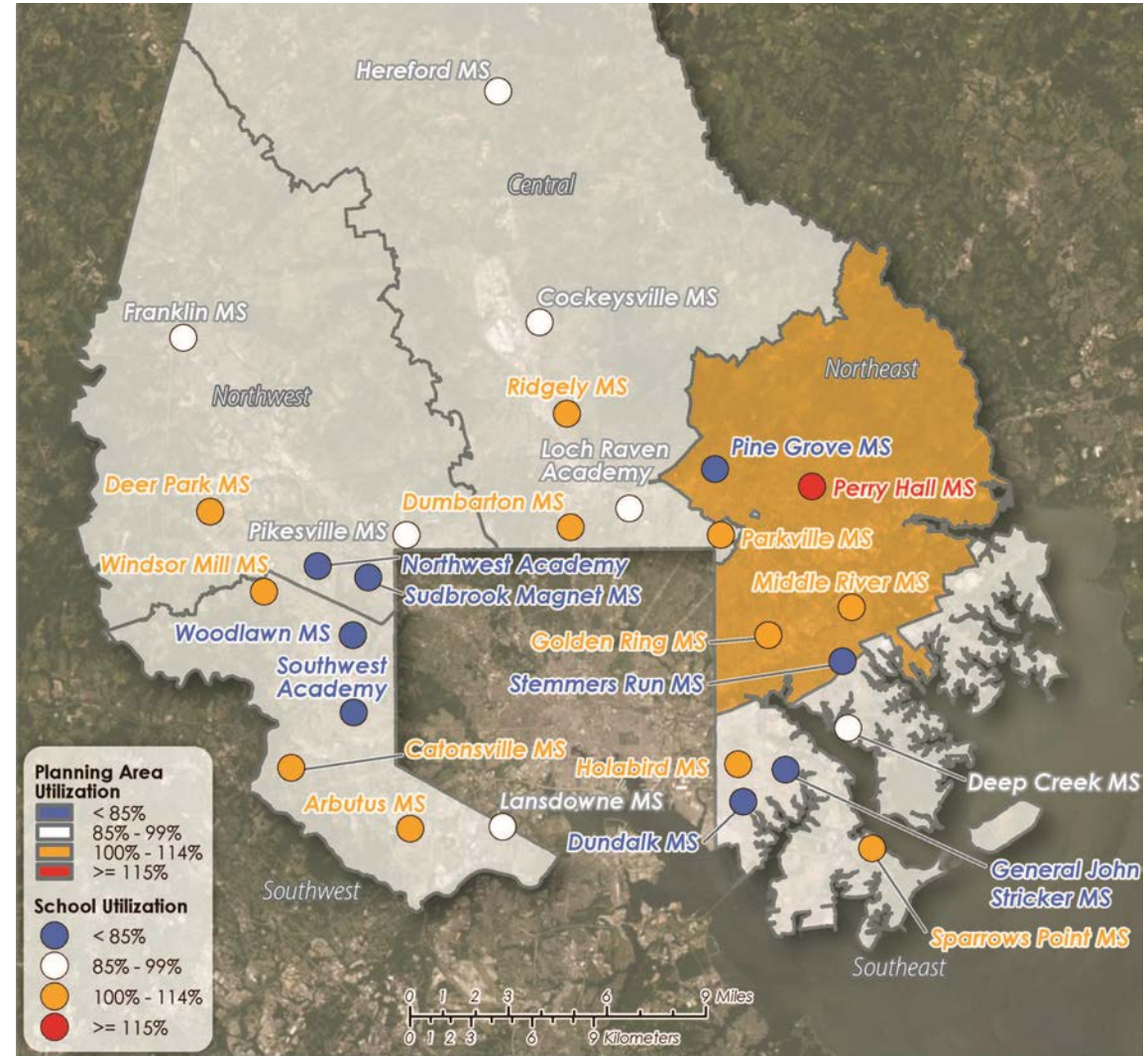
School	Facility Condition Score	Rank
Westchester ES (SW)	83	61
Hebbville ES (SW)	83	61
Hawthorne ES (SE)	83	61
Edmondson Heights ES (SW)	83	61
Middlesex ES (NE)	84	65
Chase ES (SE)	84	65
Oliver Beach ES (SE)	84	65
Elmwood ES (NE)	85	68
Pleasant Plains ES (C)	85	68
Randallstown ES (NW)	85	68
Villa Cresta ES (C)	85	68
Dogwood ES (SW)	85	68
Lutherville Laboratory (C)	86	73
Warren ES (C)	86	73
Riverview ES (SW)	86	73
Johnnycake ES (SW)	87	76
Carney ES (NE)	88	77
Pot Spring ES (C)	88	77
Woodholme ES (NW)	88	77
Featherbed Lane ES (SW)	89	80
Bear Creek ES (SE)	89	80
Oakleigh ES (C)	89	80
Seven Oaks ES (NE)	89	80
Grange ES (SE)	90	84
Orems ES (NE)	90	84
Woodmoor ES (SW)	90	84
Battle Grove ES (SE)	90	84
Wellwood ES (NW)	91	88
Kingsville ES (NE)	91	88
Sparks ES (C)	91	88

School	Facility Condition Score	Rank
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Benchmarking – Middle Schools

3. Capacity Utilization

- 7-Year Enrollment Projection (2026-27)
- State Rated Capacity
- ESOL Programs



Capacity – Middle Schools

3. Capacity Utilization

- Scores and ranking

School	Educational Adequacy & Equity Score		Rank	Facility Condition Score		Rank	Capacity Score		Rank
									
Perry Hall MS (NE)		57	8		82	10		79	1
Catonsville MS (SW)		51	5		74	1		86	2
Ridgely MS (C)		63	20		90	20		89	3
Middle River MS (NE)		63	19		90	20		90	4
Windsor Mill MS (SW)		69	26		85	15		92	5
Sparrows Point MS (SE)		62	16		85	15		93	6
Dumbarton MS (C)		59	10		97	27		93	6
Parkville MS (NE)		66	24		87	17		94	8
Deer Park MS (NW)		48	2		75	2		96	9
Arbutus MS (SW)		64	21		87	17		96	9
Golden Ring MS (NE)		50	3		82	10		97	11
Holabird MS (SE)		60	13		79	5		99	12
Pine Grove MS (NE)		45	1		83	13		100	13
Lansdowne MS (SW)		51	4		77	3		100	13
Northwest Academy (NW)		56	7		78	4		100	13
General John Stricker MS (SE)		58	9		80	6		100	13
Dundalk MS (SE)		61	14		81	8		100	13
Cockeysville MS (C)		61	15		81	8		100	13
Hereford MS (C)		55	6		90	20		100	13
Pikesville MS (NW)		62	17		83	13		100	13
Franklin MS (NW)		59	11		87	17		100	13
Southwest Academy (SW)		64	22		82	10		100	13
Stemmers Run MS (NE)		66	23		80	6		100	13
Woodlawn MS (SW)		59	12		90	20		100	13
Loch Raven Tech Acad (C)		63	18		93	25		100	13
Deep Creek MS (SE)		71	27		90	20		100	13
Sudbrook Magnet MS (NW)		68	25		94	26		100	13

Capacity – Middle Schools

3. Capacity Utilization

- Detailed findings

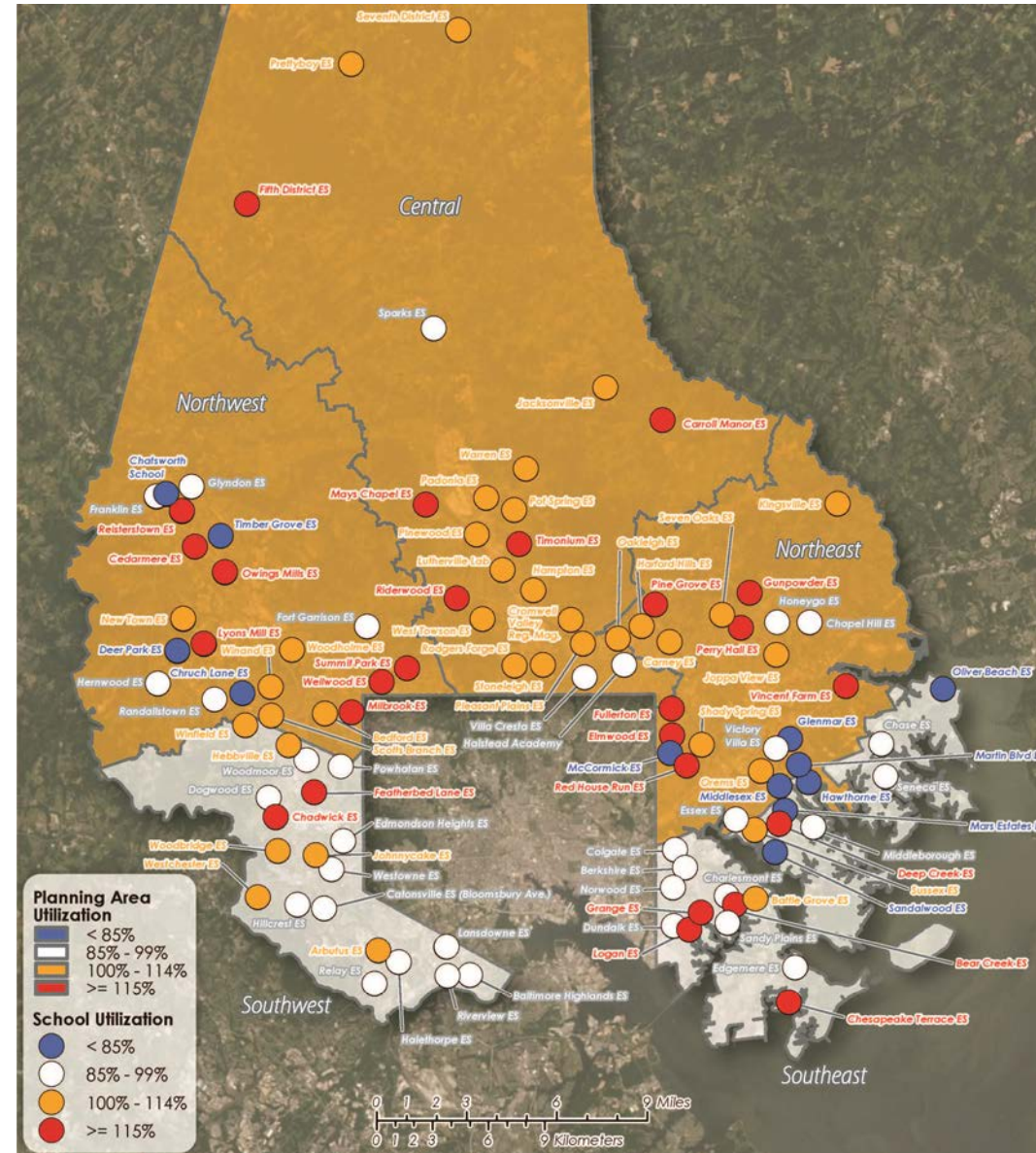
Capacity Utilization				Surplus Capacity			
		util weighted 2019	util weighted 2026		Capacity Surplus 2019 ..	Capacity Surplus 2026 ..	
C		92%	99%	C	416	32	
NE		98%	100%	NE	158	(2)	
NW		92%	90%	NW	496	586	
SE		90%	85%	SE	350	487	
SW		88%	93%	SW	682	392	
C	Cockeysville MS	91%	98%	C	91	19	
	Dumbarton MS	99%	107%	D.		(82)	
	Hereford MS	85%	92%	H.	165		
	Loch Raven MS	82%	88%	L.		126	
	Ridgely MS	104%	111%	R.	(43)	(117)	
NE	Golden Ring MS	98%	103%	NE			
	Middle River MS	110%	110%	M.	(105)	(100)	
	New Relief MS NE			N.			
	Parkville MS	103%	106%	P.	(37)	(61)	
	Perry Hall MS	117%	121%	P.	(282)	(337)	
	Pine Grove MS	80%	83%	P.			
	Stemmers Run MS	72%	73%	S.	324	313	
NW	Deer Park MS	104%	104%	NW	(58)	(58)	
	Franklin MS	93%	90%	F.	104	144	
	Northwest Acad	80%	79%	N.	198	206	
	Pikesville MS	97%	93%	P.			
	Sudbrook Magnet MS	79%	79%	S.	224	224	
SE	Deep Creek MS	95%	90%	SE			
	Dundalk MS	74%	71%	D.	208	237	
	New Relief MS SE			N.			
	Sparrows Point MS	115%	109%	S.	(87)	(54)	
	Stricker MS	82%	79%	S.	180	204	
SW	Arbutus MS	97%	104%	SW	27		
	Catonsville MS	110%	114%	C.	(76)	(110)	
	Lansdowne MS	84%	90%	L.	147		
	Southwest Acad	80%	82%	S.		198	
	Windsor Mill MS	96%	108%	.	32	(61)	
	Woodlawn MS	65%	67%	.	331	310	

* 2026 Enrollment Projections are adjusted to accomodate ESOL programs at home schools.

Benchmarking – Elementary Schools

3. Capacity Utilization

- 7-Year Enrollment Projection (2026-27)
- State Rated Capacity
- Deduction of 1990s modular buildings



Capacity – Elementary Schools

School	Capacity Score	Rank
		
Red House Run ES (NE)	0	1
Deep Creek ES (SE)	0	1
Vincent Farm ES (NE)	52	3
Carroll Manor ES (C)	57	4
Timonium ES (C)	58	5
Summit Park ES (NW)	60	6
Riderwood ES (C)	62	7
Seventh District ES (C)	63	8
Owings Mills ES (NW)	64	9
Featherbed Lane ES (SW)	64	9
Cedarmere ES (NW)	69	11
Fifth District ES (C)	70	12
Elmwood ES (NE)	70	12
Fullerton ES (NE)	71	14
Gunpowder ES (NE)	72	15
Wellwood ES (NW)	72	15
Reisterstown ES (NW)	73	17
Pine Grove ES (NE)	74	18
Lyons Mill ES (NW)	75	19
Perry Hall ES (NE)	78	20
Chesapeake Terrace ES (SE)	78	20
Grange ES (SE)	78	20
Mays Chapel ES (C)	80	23
Logan ES (SE)	84	24
Milbrook ES (NW)	84	24
Bear Creek ES (SE)	84	24
Chadwick ES (SW)	84	24
Rodgers Forge ES (C)	86	28
Pinewood ES (C)	87	29
Arbutus ES (SW)	88	30

School	Capacity Score	Rank
		
Bedford ES (NW)	89	31
Shady Spring ES (NE)	89	31
Oakleigh ES (C)	89	31
Orems ES (NE)	89	31
Hampton ES (C)	89	31
Scotts Branch ES (NW)	90	36
New Town ES (NW)	90	36
Prettyboy ES (C)	91	38
Harford Hills ES (NE)	91	38
Johnnycake ES (SW)	92	40
Sussex ES (SE)	92	40
Pleasant Plains ES (C)	92	40
Carney ES (NE)	93	43
Lutherville Laboratory (C)	93	43
Pot Spring ES (C)	93	43
Kingsville ES (NE)	93	43
West Towson ES (C)	93	43
Joppa View ES (NE)	94	48
Woodbridge ES (SW)	95	49
Winand ES (NW)	95	49
Westchester ES (SW)	95	49
Padonia ES (C)	96	52
Hebbsville ES (SW)	96	52
Jacksonville ES (C)	96	52
Seven Oaks ES (NE)	97	55
Warren ES (C)	98	56
Stoneleigh ES (C)	99	57
Deer Park ES (NW)	100	58
Chatsworth School (NW)	100	58
Winfield ES (SW)	100	58

School	Capacity Score	Rank
		
Church Lane ES (NW)	100	58
Sandalwood ES (SE)	100	58
Powhatan ES (SW)	100	58
Glyndon ES (NW)	100	58
Halethorpe ES (SW)	100	58
Seneca ES (SE)	100	58
Franklin ES (NW)	100	58
Chapel Hill ES (NE)	100	58
Hawthorne ES (SE)	100	58
Sandy Plains ES (SE)	100	58
Mars Estates ES (SE)	100	58
Middlesex ES (NE)	100	58
Charlesmont ES (SE)	100	58
Cromwell Valley ES (C)	100	58
McCormick ES (NE)	100	58
Randallstown ES (NW)	100	58
Timber Grove ES (NW)	100	58
Glenmar ES (NE)	100	58
Norwood ES (SE)	100	58
Woodmoor ES (SW)	100	58
Hernwood ES (NW)	100	58
Riverview ES (SW)	100	58
Middleborough ES (SE)	100	58
Fort Garrison ES (NW)	100	58
Edgemere ES (SE)	100	58
Chase ES (SE)	100	58
Edmondson Heights ES (SW)	100	58
Baltimore Highlands ES (SW)	100	58
Villa Cresta ES (C)	100	58
Battle Grove ES (SE)	100	58

School	Capacity Score	Rank
		
Martin Boulevard ES (NE)	100	58
Sparks ES (C)	100	58
Hillcrest ES (SW)	100	58
Woodholme ES (NW)	100	58
Dogwood ES (SW)	100	58
Oliver Beach ES (SE)	100	58
Essex ES (NE)	100	58
Halstead Academy (C)	100	58
Berkshire ES (SE)	100	58
Colgate ES (SE)	100	58
Victory Villa ES (NE)	100	58
Lansdowne ES (SW)	100	58
Catonsville ES (SW)	100	58
Honeygo ES (NE)	100	58
Westowne ES (SW)	100	58
Relay ES (SW)	100	58
Dundalk ES (SE)	100	58

Capacity – Elementary Schools

3. Capacity Utilization

- Detailed findings

Capacity Utilization			Surplus Capacity		
	util weighted 2019	util weighted 2026		Capacity Surplus 2019	Capacity Surplus 2026
C	101%	109%	C	(151)	(1,057)
NE	106%	107%	NE	(650)	(800)
NW	105%	106%	NW	(524)	(567)
SE	95%	97%	SE	461	315
SW	96%	99%	SW	441	168

C	Carroll Manor ES	107%	143%	C	Carroll Manor ES	(24)	68	(157)	2
	Cromwell Valley ES	84%	100%		Cromwell Valley ES	(26)	91	(90)	45
	Fifth District ES	109%	130%		Fifth District ES			(74)	
	Halstead Acad	98%	91%		Halstead Acad				
	Hampton ES	86%	104%		Hampton ES			(137)	
	Jacksonville ES	86%	107%		Jacksonville ES				
	Lutherville ES	93%	120%		Lutherville ES				
	Mays Chapel ES	100%	111%		Mays Chapel ES	(49)	26	(21)	
	Oakleigh ES	95%	104%		Oakleigh ES				
	Padonia International ES	110%	113%		Padonia International ES	(135)	16	(45)	
	Pleasant Plains ES	102%	108%		Pleasant Plains ES				
	Pot Spring ES	125%	107%		Pot Spring ES	(35)		(166)	
	Prettyboy ES	97%	109%		Prettyboy ES	(72)	45	(24)	74
	Riderwood ES	109%	138%		Riderwood ES				
	Rodgers Forge ES	103%	114%		Rodgers Forge ES	(48)		(164)	47
	Seventh District ES	118%	105%		Seventh District ES	(99)			
	Sparks ES	90%	88%		Sparks ES	(6)		(36)	
	Stoneleigh ES	84%	101%		Stoneleigh ES				
	Timonium ES	107%	142%		Timonium ES				
	Villa Cresta ES	123%	92%		Villa Cresta ES				
	Warren ES	117%	102%		Warren ES				
	West Towson ES	102%	103%		West Towson ES				
NE	Carney ES	101%	107%	NE	Carney ES	(45)		(41)	81
	Chapel Hill ES	108%	87%		Chapel Hill ES	(76)	56	(141)	71
	Elmwood ES	105%	130%		Elmwood ES				
	Essex ES	116%	86%		Essex ES	(135)	58	(133)	106
	Fullerton ES	89%	129%		Fullerton ES				
	Glenmar ES	129%	71%		Glenmar ES	(59)		(136)	
	Gunpowder ES	84%	128%		Gunpowder ES				
	Harford Hills ES	112%	109%		Harford Hills ES				
	Honeygo ES	104%	91%		Honeygo ES				
	Joppa View ES	89%	106%		Joppa View ES	(94)	82	(35)	62
	Kingsville ES	115%	107%		Kingsville ES				
	Martin Boulevard ES	89%	84%		Martin Boulevard ES				
	McCormick ES	94%	71%		McCormick ES				
	Middlesex ES	86%	68%		Middlesex ES				
	NEW Relief ES NE	81%			NEW Relief ES NE				
	Orems ES	123%	111%		Orems ES	(71)		(115)	
	Perry Hall ES	114%	122%		Perry Hall ES				
	Pine Grove ES	120%	126%		Pine Grove ES				
	Red House Run ES	190%	202%		Red House Run ES				
	Seven Oaks ES	103%	103%		Seven Oaks ES				
	Shady Spring ES	119%	111%		Shady Spring ES				
	Victory Villa ES	92%	88%		Victory Villa ES	(92)		(52)	
	Vincent Farm ES	106%	148%		Vincent Farm ES	(42)	62		(339)

NW	Bedford ES	111%	111%	NW	Bedford ES	(32)	123	(148)	104
	Cedarmere ES	108%	131%		Cedarmere ES				
	Church Lane ES	81%	81%		Church Lane ES				
	Deer Park ES	74%	78%		Deer Park ES				
	Fort Garrison ES	91%	79%		Fort Garrison ES				
	Franklin ES	82%	95%		Franklin ES	(34)	69		41
	Glyndon ES	109%	89%		Glyndon ES				
	Lyons Mill ES	101%	95%		Lyons Mill ES				
	Hernwood ES	87%	90%		Hernwood ES				
	Randallstown ES	111%	125%		Randallstown ES	(78)	53	(171)	41
	Millbrook ES	122%	116%		Millbrook ES				
	New Town ES	115%	110%		New Town ES				
	Owings Mills ES	139%	136%		Owings Mills ES				
	Reisterstown ES	97%	86%		Reisterstown ES				
	Scotts Branch ES	118%	127%		Scotts Branch ES	(82)		(197)	57
	Summit Park ES	119%	110%		Summit Park ES				
	Timber Grove ES	140%	140%		Timber Grove ES				
	Wellwood International ..	92%	84%		Wellwood International ..	(134)	50	(136)	97
	Winand ES	113%	128%		Winand ES	(56)		(122)	
	Woodholme ES	98%	105%		Woodholme ES	(30)	11	(1)	
SE	Battle Grove ES	104%	100%	SE	Battle Grove ES				
	Bear Creek ES	83%	99%		Bear Creek ES				
	Berkshire ES	98%	116%		Berkshire ES				
	Charlesmont ES	71%	88%		Charlesmont ES				
	Chase ES	87%	86%		Chase ES				
	Chesapeake Terrace ES	96%	89%		Chesapeake Terrace ES				
	Colgate ES	94%	122%		Colgate ES				
	Deep Creek ES	83%	85%		Deep Creek ES				
	Dundalk ES	221%	216%		Dundalk ES				
	Edgemere ES	100%	98%		Edgemere ES				
	Grange ES	93%	92%		Grange ES				
	Hawthorne ES	122%	122%		Hawthorne ES				
	Logan ES	89%	75%		Logan ES				
	Mars Estates ES	103%	116%		Mars Estates ES				
	Middleborough ES	85%	81%		Middleborough ES				
	Norwood ES	104%	93%		Norwood ES				
	Oliver Beach ES	90%	87%		Oliver Beach ES				
	Sandalwood ES	61%	64%		Sandalwood ES				
	Sandy Plains ES	95%	81%		Sandy Plains ES				
	Seneca ES	90%	95%		Seneca ES				
	Sussex ES	105%	95%		Sussex ES				
SW	Arbutus ES	103%	108%	SW	Arbutus ES				
	Baltimore Highlands ES	95%	112%		Baltimore Highlands ES				
	Catonsville ES	94%	94%		Catonsville ES				
	Chadwick ES	97%	88%		Chadwick ES				
	Dogwood ES	86%	116%		Dogwood ES				
	Edmondson Heights ES	108%	92%		Edmondson Heights ES				
	Featherbed Lane ES	83%	94%		Featherbed Lane ES				
	Halethorpe ES	120%	136%		Halethorpe ES				
	Hebbsville ES	86%	96%		Hebbsville ES				
	Hillcrest ES	105%	104%		Hillcrest ES				
	Johnnycake ES	97%	90%		Johnnycake ES				
	Lansdowne ES	117%	108%		Lansdowne ES				
	Powhatan ES	85%	87%		Powhatan ES				
	Relay ES	80%	87%		Relay ES				
	Riverview ES	92%	92%		Riverview ES				
	Westchester ES	88%	91%		Westchester ES				
	Westowne ES	99%	105%		Westowne ES				
	Winfield ES	90%	100%		Winfield ES				
	Woodbridge ES	100%	105%		Woodbridge ES				
	Woodmoor ES	100%	92%		Woodmoor ES				

* State Rated Capacity is reduced for 1990's modular buildings.

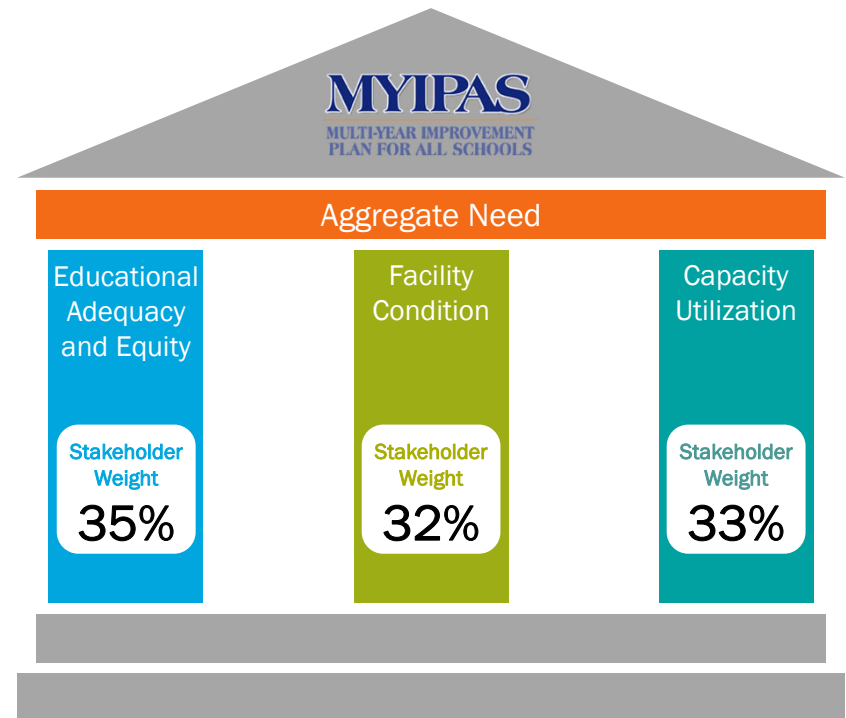
Benchmarking

Aggregate Need Ranking

- Score based on three assessments
- Weighting based on 22,000+ responses to county-wide survey

How will this be used?

- o Criteria for facility options
- o Renovation project scope
- o Sequencing of CIP projects
- o *Greater need, higher priority*



Aggregate Need – Middle Schools

School	Educational Adequacy & Equity Score		Rank	Facility Condition Score		Rank	Capacity Score		Rank	Aggregate Need Score		Rank
												
Catonsville MS (SW)		51	5		74	1		86	2		70	1
Deer Park MS (NW)		48	2		75	2		96	9		72	2
Perry Hall MS (NE)		57	8		82	10		79	1		72	3
Pine Grove MS (NE)		45	1		83	13		100	13		75	4
Lansdowne MS (SW)		51	4		77	3		100	13		75	5
Golden Ring MS (NE)		50	3		82	10		97	11		76	6
Northwest Academy (NW)		56	7		78	4		100	13		77	7
General John Stricker MS (SE)		58	9		80	6		100	13		79	8
Holabird MS (SE)		60	13		79	5		99	12		79	9
Sparrows Point MS (SE)		62	16		85	15		93	6		79	10
Dundalk MS (SE)		61	14		81	8		100	13		80	11
Cockeysville MS (C)		61	15		81	8		100	13		80	12
Ridgely MS (C)		63	20		90	20		89	3		80	13
Middle River MS (NE)		63	19		90	20		90	4		81	14
Hereford MS (C)		55	6		90	20		100	13		81	15
Pikesville MS (NW)		62	17		83	13		100	13		81	16
Franklin MS (NW)		59	11		87	17		100	13		81	17
Southwest Academy (SW)		64	22		82	10		100	13		81	18
Stemmers Run MS (NE)		66	23		80	6		100	13		81	19
Windsor Mill MS (SW)		69	26		85	15		92	5		82	20
Arbutus MS (SW)		64	21		87	17		96	9		82	21
Parkville MS (NE)		66	24		87	17		94	8		82	22
Woodlawn MS (SW)		59	12		90	20		100	13		82	23
Dumbarton MS (C)		59	10		97	27		93	6		82	24
Loch Raven Tech Acad (C)		63	18		93	25		100	13		85	25
Deep Creek MS (SE)		71	27		90	20		100	13		86	26
Sudbrook Magnet MS (NW)		68	25		94	26		100	13		87	27

Aggregate Need – Elementary Schools

School	Aggregate Need Score	Rank
Red House Run ES (NE)	39	1
Deep Creek ES (SE)	44	2
Summit Park ES (NW)	56	3
Carroll Manor ES (C)	63	4
Timonium ES (C)	64	5
Seventh District ES (C)	64	6
Pine Grove ES (NE)	65	7
Fullerton ES (NE)	66	8
Owings Mills ES (NW)	66	9
Fifth District ES (C)	68	10
Scotts Branch ES (NW)	68	11
Reisterstown ES (NW)	68	12
Riderwood ES (C)	69	13
Logan ES (SE)	69	14
Bedford ES (NW)	69	15
Perry Hall ES (NE)	70	16
Chesapeake Terrace ES (SE)	71	17
Cedarmere ES (NW)	71	18
Elmwood ES (NE)	71	19
Gunpowder ES (NE)	72	20
Deer Park ES (NW)	72	21
Shady Spring ES (NE)	73	22
Pinewood ES (C)	73	23
Milbrook ES (NW)	73	24
Chatsworth School (NW)	75	25
Featherbed Lane ES (SW)	75	26
Johnnycake ES (SW)	76	27
Winfield ES (SW)	76	28
Woodbridge ES (SW)	76	29
Sussex ES (SE)	77	30

School	Aggregate Need Score	Rank
Padonia ES (C)	77	31
Oakleigh ES (C)	77	32
Joppa View ES (NE)	77	33
Wellwood ES (NW)	77	34
Arbutus ES (SW)	77	35
Grange ES (SE)	78	36
Pleasant Plains ES (C)	78	37
Vincent Farm ES (NE)	78	38
Church Lane ES (NW)	78	39
Sandalwood ES (SE)	78	40
Powhatan ES (SW)	78	41
Glyndon ES (NW)	78	42
Rodgers Forge ES (C)	78	43
Carney ES (NE)	78	44
Halethorpe ES (SW)	79	45
Seneca ES (SE)	79	46
Prettyboy ES (C)	79	47
Bear Creek ES (SE)	78	48
Orems ES (NE)	79	49
Franklin ES (NW)	79	50
Lutherville Laboratory (C)	79	51
Chapel Hill ES (NE)	79	52
Hawthorne ES (SE)	80	53
Harford Hills ES (NE)	80	54
Hebbsville ES (SW)	80	55
Sandy Plains ES (SE)	80	56
Mars Estates ES (SE)	80	57
Winand ES (NW)	80	58
Middlesex ES (NE)	80	59
Charlesmont ES (SE)	80	60

School	Aggregate Need Score	Rank
Cromwell Valley ES (C)	80	61
McCormick ES (NE)	80	62
Randallstown ES (NW)	80	63
New Town ES (NW)	81	64
Pot Spring ES (C)	81	65
Timber Grove ES (NW)	80	66
Jacksonville ES (C)	81	67
Glenmar ES (NE)	81	68
Norwood ES (SE)	81	69
Woodmoor ES (SW)	81	70
Hernwood ES (NW)	82	71
Riverview ES (SW)	82	72
Middleborough ES (SE)	82	73
Fort Garrison ES (NW)	82	74
Edgemere ES (SE)	82	75
Chase ES (SE)	82	76
Chadwick ES (SW)	82	77
Edmondson Heights ES (SW)	82	78
Warren ES (C)	83	79
Baltimore Highlands ES (SW)	83	80
Villa Cresta ES (C)	83	81
Battle Grove ES (SE)	83	82
Martin Boulevard ES (NE)	84	83
Sparks ES (C)	84	84
Hillcrest ES (SW)	85	85
Kingsville ES (NE)	85	86
Westchester ES (SW)	85	87
Hampton ES (C)	85	88
Woodholme ES (NW)	85	89
Seven Oaks ES (NE)	86	90

School	Aggregate Need Score	Rank
Dogwood ES (SW)	86	91
Oliver Beach ES (SE)	86	92
Essex ES (NE)	86	93
Halstead Academy (C)	86	94
Stoneleigh ES (C)	86	95
Lyons Mill ES (NW)	87	96
Mays Chapel ES (C)	88	97
Berkshire ES (SE)	90	98
West Towson ES (C)	91	99
Colgate ES (SE)	92	100
Victory Villa ES (NE)	93	101
Lansdowne ES (SW)	94	102
Catonsville ES (SW)	94	103
Honeygo ES (NE)	95	104
Westowne ES (SW)	95	105
Relay ES (SW)	95	106
Dundalk ES (SE)	95	107

Assessment Findings

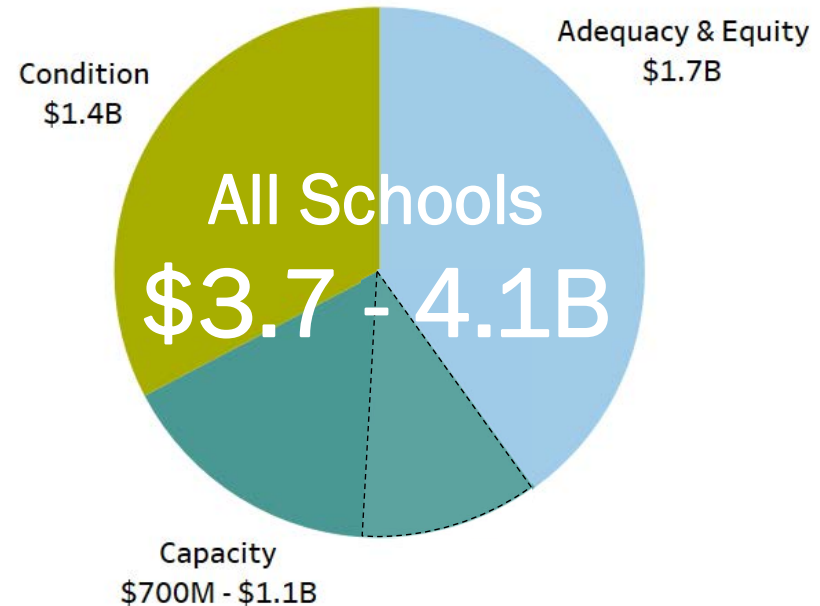
CANNONDESIGN



Assessment Findings

Assessed 7-year capital needs
total \$3.7 to 4.1 billion

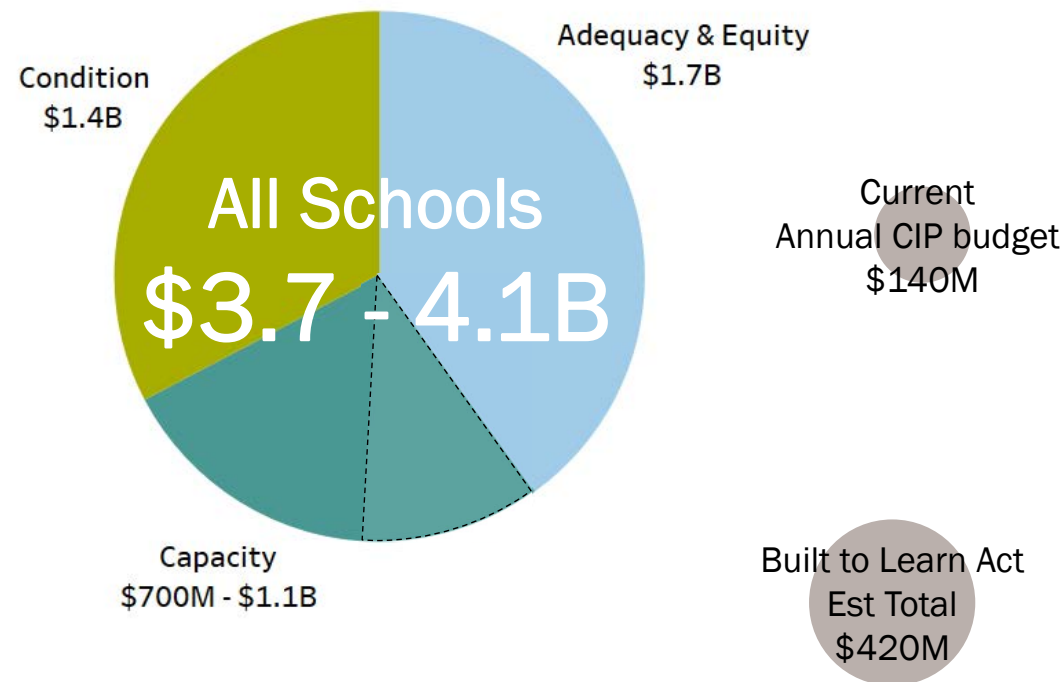
- All schools, 7-year forecast only
- Includes *Schools For Our Future*
- Includes potential relief schools
- Does not include land procurement
- Does not include unfunded replacements



Assessment Findings

Needs Compared to Budget

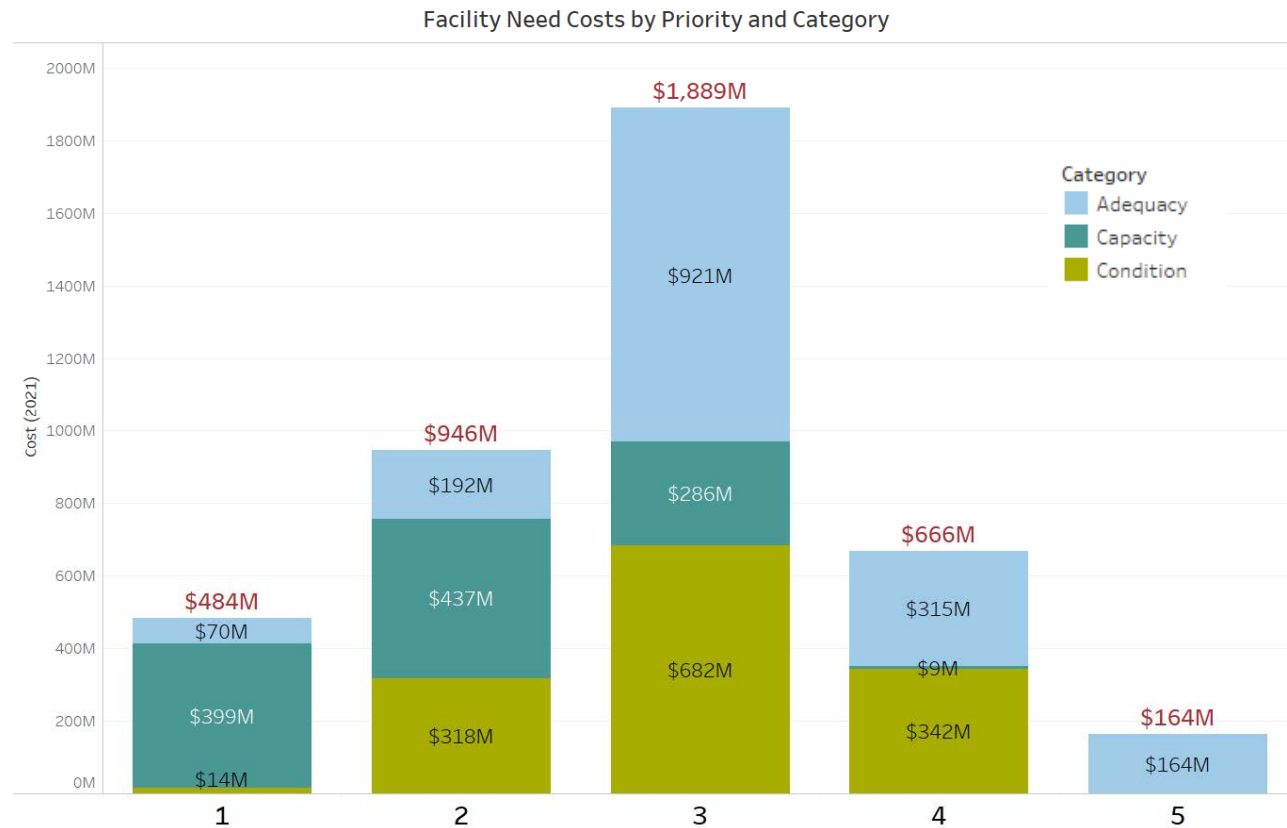
- Current State and County funding
 - o Estimated \$140M/year
 - o (\$100M County, \$40M State)
 - o Estimated 27-29 years
- To reduce timeframe to 15 years:
 - o Additional \$1.6 - 2B above current funding
 - o Estimated \$107M - 133M/year
- Built to Learn Act state funding ~\$420M
 - o 10-year, one-time program
 - o Requires ~60/40 County/State split
 - o Compare to \$240M required to complete Schools for Our Future & Lansdowne HS



Assessment Findings

Prioritization of needs

- **Priority 1 – Currently Critical**
 - Health and life-safety, code compliance
 - Acute capacity shortage
- **Priority 2 – Potentially Critical**
 - Rapid deterioration, risk to occupancy
 - Capacity shortage requiring due-diligence
 - Special Ed, Social/Emotional Health, Technology
- **Priority 3 – Necessary, Not Yet Critical**
 - Systems exceeding useful lifespan
 - Rapid return on investment
 - Academic programs: STEM, CTE, PBL
- **Priority 4 – Recommended**
 - Aesthetic improvements
 - Other programs: Arts, Athletics
 - Administration, Parking
- **Priority 5 – Additional Needs**
 - Allowance for furniture refresh and other needs



Questions?

