

ENVIRONMENTAL LITERACY INDICATOR TOOL (ELIT)

School System level survey that measured:

1. Degree of preparedness to provide Environmental Education
2. Extent to which MWEEs are provided to students in elementary, middle, and high schools
3. Number of sustainable schools and capacity to support them

Note: Results based only on survey respondents and the # of responses to each question

BACKGROUND INFORMATION

Survey Response Rate

State		# of Surveys Returned	# of Distributed Surveys	Response Rate
DC		2	2	100%
DE		19	39	49%
MD		24	24	100%
PA	LEAs	99	500	20%
PA	CSs	14	125	11%
PA	Other	5	n/a	n/a
PA	Total	118	625	19%
VA		105	135	78%
WV		2	55	4%

Is your school division at least partly in the Chesapeake Bay Watershed?

State	# of LEAs in Survey	# of Reporting LEAs	In Watershed		Not in Watershed	
			#	%	#	%
DC	2	2	2	100%	0	0%
DE	19	19	14	74%	5	26%
MD	24	24	24	100%	0	0%
PA	118	116	60	52%	56	48%
VA	105	105	83	79%	22	21%
WV	2	2	2	100%	0	0%
All	270	268	185	69%	83	31%

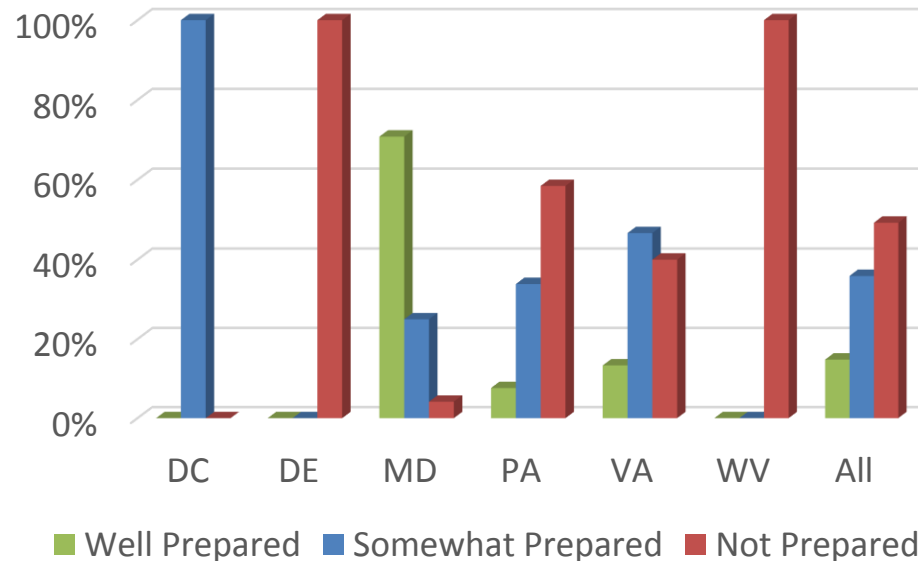
Percent LEAs in Watershed



Environmental Literacy Planning - Degree of Preparedness to Implement Environmental Education (scores are out of 14 possible points)

State	# of LEAs in Survey	# of Reporting LEAs	LEAs Well Prepared (Score 10-14)		LEAs Somewhat Prepared (Score 5-9)		LEAs Not Prepared (Score 0-4)	
			#	%	#	%	#	%
DC	2	2	0	0%	2	100%	0	0%
DE	19	19	0	0%	0	0%	19	100%
MD	24	24	17	71%	6	25%	1	4%
PA	118	118	9	8%	40	34%	69	58%
VA	105	105	14	13%	49	47%	42	40%
WV	2	2	0	0%	0	0%	2	100%
All	270	270	40	15%	97	36%	133	49%

LEA Preparedness to Implement Environmental Education



EL PLANNING

Environmental Literacy Planning - Comparison of “Well Prepared”, “Somewhat Prepared”, and “Not Prepared” LEAs

Category	LEAs Well Prepared (Score 10-14)				LEAs Somewhat Prepared (Score 5-9)				LEAs Not Prepared (Score 0-4)			
	Full y In Plac e	Partially In Place	Not In Place	No Answ er	Fully In Place	Partially In Place	Not In Place	No Answ er	Fully In Place	Partially In Place	Not In Place	No Answ er
Estab. Leader	95%	0%	5%	0%	49%	0%	51%	0%	5%	0%	95%	0%
Estab. Team	43%	53%	5%	0%	1%	54%	45%	0%	0%	10%	90%	0%
Prof. Devl.	55%	45%	0%	0%	4%	85%	11%	0%	1%	42%	57%	0%
Integ. Prog.	45%	55%	0%	0%	11%	88%	1%	0%	0%	63%	37%	0%
Plan--MWEE												
Engag.	78%	23%	0%	0%	20%	70%	10%	0%	1%	40%	59%	0%
Plan--Sust.												
Sch.	45%	53%	3%	0%	8%	57%	35%	0%	2%	31%	68%	0%
Comm.												
Partnerships	85%	15%	0%	0%	28%	68%	4%	0%	3%	39%	58%	0%

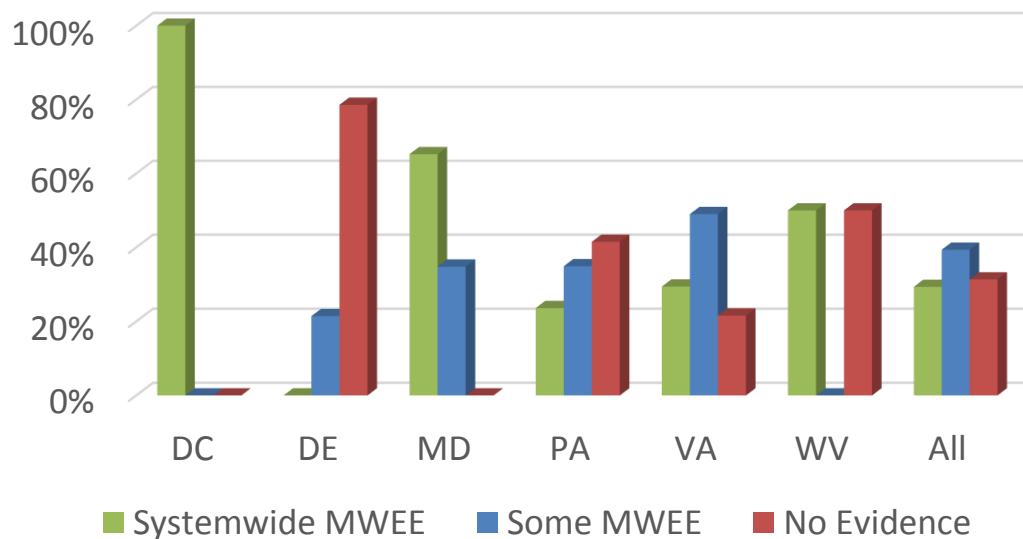
This table shows how the “Well Prepared” LEAs scored their most points across the 7 questions. Same for the “Somewhat Prepared” and “Not Prepared” LEAs.

STUDENT MWEEs

Reporting LEAs that Provided MWEEs at Elementary Schools

State	# of LEAs in Survey	# of Reporting LEAs	Systemwide MWEE for at least one grade level		Some MWEE for at least one grade level		No evidence of MWEE in any grade level	
			#	%	#	%	#	%
DC	2	2	2	100%	0	0%	0	0%
DE	19	14	0	0%	3	21%	11	79%
MD	24	23	15	65%	8	35%	0	0%
PA	118	106	25	24%	37	35%	44	42%
VA	105	102	30	29%	50	49%	22	22%
WV	2	2	1	50%	0	0%	1	50%
All	270	249	73	29%	98	39%	78	31%

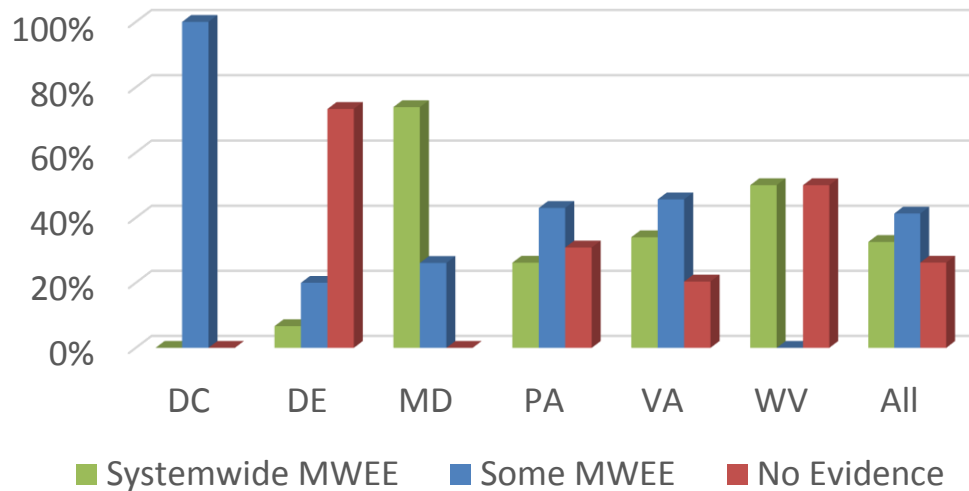
Reporting LEAs that Provided MWEEs at Elementary Schools



Reporting LEAs that Provided MWEEs at Middle Schools

State	# of LEAs in Survey	# of Reporting LEAs	Systemwide MWEE for at least one grade level		Some MWEE for at least one grade level		No evidence of MWEE in any grade level	
			#	%	#	%	#	%
DC	2	2	0	0%	2	100%	0	0%
DE	19	15	1	7%	3	20%	11	73%
MD	24	23	17	74%	6	26%	0	0%
PA	118	107	28	26%	46	43%	33	31%
VA	105	103	35	34%	47	46%	21	20%
WV	2	2	1	50%	0	0%	1	50%
All	270	252	82	33%	104	41%	66	26%

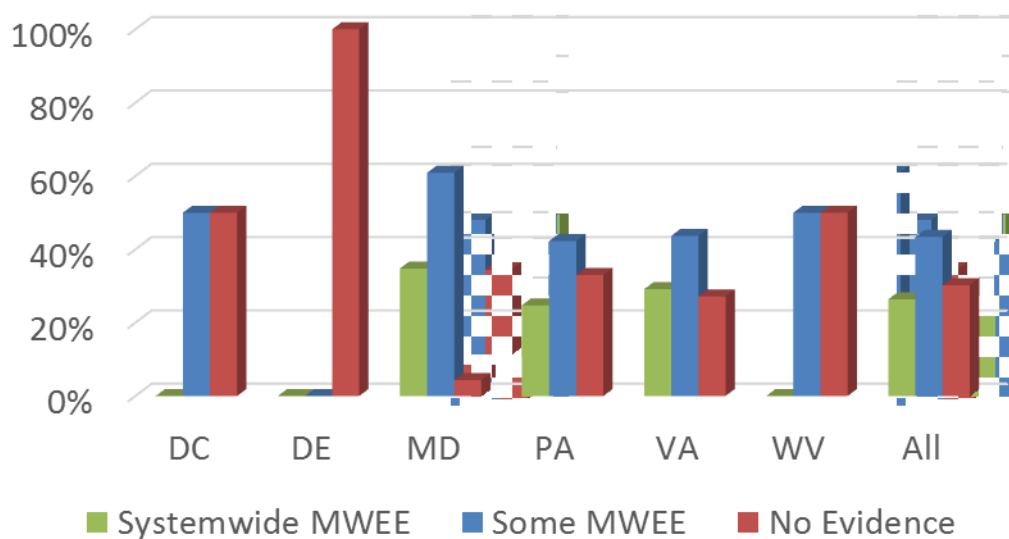
Reporting LEAs that Provided MWEEs at Middle Schools



Reporting LEAs that Provided MWEEs at High Schools in Required Courses

State	# of LEAs in Survey	Systemwide MWEE						
		# of Reporting LEAs	for at least one course		Some MWEE for at least one course		No evidence of MWEE in any course	
			#	%	#	%	#	%
DC	2	2	0	0%	1	50%	1	50%
DE	19	8	0	0%	0	0%	8	100%
MD	24	23	8	35%	14	61%	1	4%
PA	118	97	24	25%	41	42%	32	33%
VA	105	103	30	29%	45	44%	28	27%
WV	2	2	0	0%	1	50%	1	50%
All	270	235	62	26%	102	43%	71	30%

Reporting LEAs that Provided MWEEs at High Schools in Required Courses

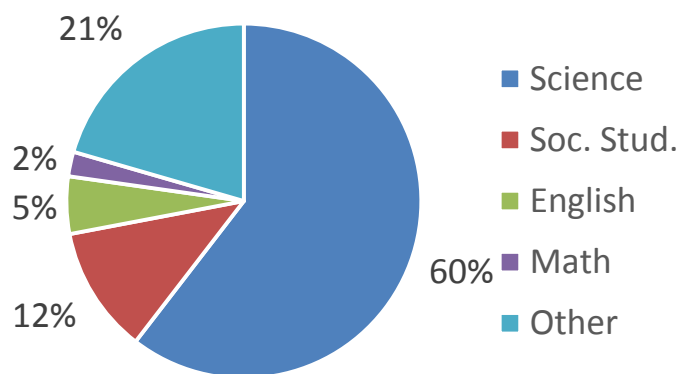


Summary of MWEEs in Required High School Courses Reaching ALL or SOME Students

State	# of LEAs With MWEEs		Science	Soc. Stud.	English	Math	Other
	# of LEAs Reaching All or in Survey	Some	%	%	%	%	%
DC	2	1	100%	0%	0%	0%	0%
DE	19	0	--	--	--	--	--
MD	24	22	49%	27%	5%	5%	15%
PA	118	65	60%	10%	5%	4%	22%
VA	105	75	65%	8%	6%	0%	22%
WV	2	1	100%	0%	0%	0%	0%
All	270	164	60%	12%	5%	2%	21%

*There were 164 LEAs that provided 268 courses with MWEEs reaching all or some students at the high school level.

Percent of MWEEs by Course Type



Breakdown of Other:

- Agriculture
- Algebra II
- Biology
- BRVGS
- Chemistry
- Earth Science
- Energy and Environment
- Engineering by Design
- Environmental Science/Ecology
- General Science
- Geometry
- Governor School Science Courses
- Health/Physical Education
- Spanish

LEAs that Provided School MWEE Data But No Enrollment Data

(Last 3 columns denote which school level for which they did not provide enrollment data.)

State	LEA	LEA Name	Name	Title	Email	Phone	ES	MS	HS
DE	3	Brandywine School District	Michele Porter	Science Teacher	Michele.porter@bsd.k12.de.us	302-475-3951	ES		HS
DE	10	Colonial School District	David A. Parsons	H.S. Science teacher	david.parsons@colonial.k12.de.us	302-323-2952	ES	MS	HS
DE	18	Academy Red Clay Consolidated	Nicole Aizaga	6/8 science teacher	nicole.aizaga@ffa.k12.de.us	6313279063	ES		
DE	34	School District Red Clay Consolidated	terri eros	6th grade science HB. duPont	terri.eros@redclay.k12.de.us	302-290-7012	ES	MS	
DE	34	School District	Lindsey Pleasant (DCPA)	Third Grade Teacher	lindsey.pleasant@dcpa.k12.de.us	484-238-2244		MS	
PA	102	Carbon-Lehigh IU 21	Danielle Sixsmith	Dr.	dsixsmith@stmteachers.org	516-287-3713			HS
PA	106	Carlisle Area SD	SAMANTHA MOYER	SCIENCE PROGRAM CHAIR	MOYERS@CARLISLESCHOOLS.ORG	7172406800		MS	
PA	158	Columbia-Montour AVTS	James Kofskie	Science Instructor	jkofskie@cmvt.us	5707848040	ES	MS	
PA	191	School	Jon Fox	Principal	jfox@dcts.org	717-652-3170		MS	
PA	211	East Stroudsburg Area SD	Ryan DeLong	Teacher Environmental Science	Ryan-DeLong@esasd.net	484-239-4737	ES	MS	
PA	281	Greater Johnstown SD	Bernard Conway III	Assistant Principal	bconway@gjsd.net	8145335540	ES		
PA	284	Green Woods CS	Kathleen Geist	Science Teacher grades 7 & 8	kgeist@greenwoodscharter.org	215 482 6337			HS
PA	302	Hazleton Area SD	Gregory Mazurek	Science teacher	mazurekg@hasdk12.org	570-459-3221	ES	MS	
PA	478	North Hills SD	Lisa Goodworth	Science Curriculum Leader	goodworthl@nhsd.net	412-216-7706		MS	
PA	520	Parkland SD	Dianne Haberstroh	Science Teacher, 7th Grade	haberstrohd@parklandsd.org	484-464-5219	ES		
PA	540	Perkiomen Valley SD	David Johnson	STEM Coordinator	djohnson@pvsd.org	2672219914	ES		
PA	560	Plum Borough SD	Dr. Gail Yamnitzky	Principal	yamnitzkyg@pbsd.k12.pa.us	412-795-4580		MS	
PA	697	Tulpehocken Area SD	Barbara Davis	Assistant to the Superintendent	bdavis@tulpehocken.org	717-933-4611	ES	MS	
PA	723	Upper Merion Area SD	Jennifer Straub	MS Science Department Chair	JStraub@umasd.org	610-205-8800	ES	MS	
PA	741	Warrior Run SD	Jennie Williams	Administrative Assistant to the Superintendent	jwilliams@wrsd.org	570-649-5138	ES	MS	HS
VA	11	Bath County	Sue Hirsh	Division Superintendent	sueh@bath.k12.va.us	540-839-2722			HS
VA	41	Falls Church	Toni Jones	Superintendent	tjones@fccps.org	7032485600			HS
VA	51	Gloucester County	Anne Petersen	Science Supervisor, Gloucester County Public Schools	apetersen@gc.k12.va.us	804-693-2526	ES	MS	
VA	67	King William County	Stacy Johnson	Assistant Superintendent of Instruction	sjohnson@kwcps.k12.va.us	8047693434	ES		
VA	71	Lexington	Scott Jefferies	Superintendent	sjefferies@lexedu.org	5404637146			HS

25 TOTAL

SUSTAINABLE SCHOOLS - ELIT

Sustainable Schools by State

State	# of LEAs in Survey	# of Elem, Middle, and High Schools	Sustainable Elem, Middle, and High Schools	
			#	%
DC	2	240	4	2%
DE	19	79	1	1%
MD	24	1398	396	28%
PA	118	558	16	3%
VA	105	1615	124	8%
WV	2	22	0	0%
All	270	3912	541	14%

*Percentage is based on the total number of
schools represented by the survey

Sustainable Elementary Schools by State

State	# of LEAs in Survey	# of Reporting LEAs that Provided:		# of Schools	Sustainable Schools	
		# of Schools	# of Sus. Sch.		#	%
DC	2	2	2	134	3	2%
DE	19	12	1	46	1	2%
MD	24	23	14	879	260	30%
PA	118	108	8	334	9	3%
VA	105	104	16	1029	86	8%
WV	2	2	0	11	0	0%
All	270	251	41	2433	359	15%

*Percentage is based on the total number of schools represented by the survey

Sustainable Middle Schools by State

State	# of LEAs in Survey	# of Reporting LEAs that Provided:		# of Schools	Sustainable Schools	
		# of Schools	# of Sus. Sch.		#	%
DC	2	2	0	69	0	0%
DE	19	10	0	18	0	0%
MD	24	23	14	311	80	26%
PA	118	104	3	117.5	3	3%
VA	105	104	9	305	18	6%
WV	2	2	0	8	0	0%
All	270	245	26	828.5	101	12%

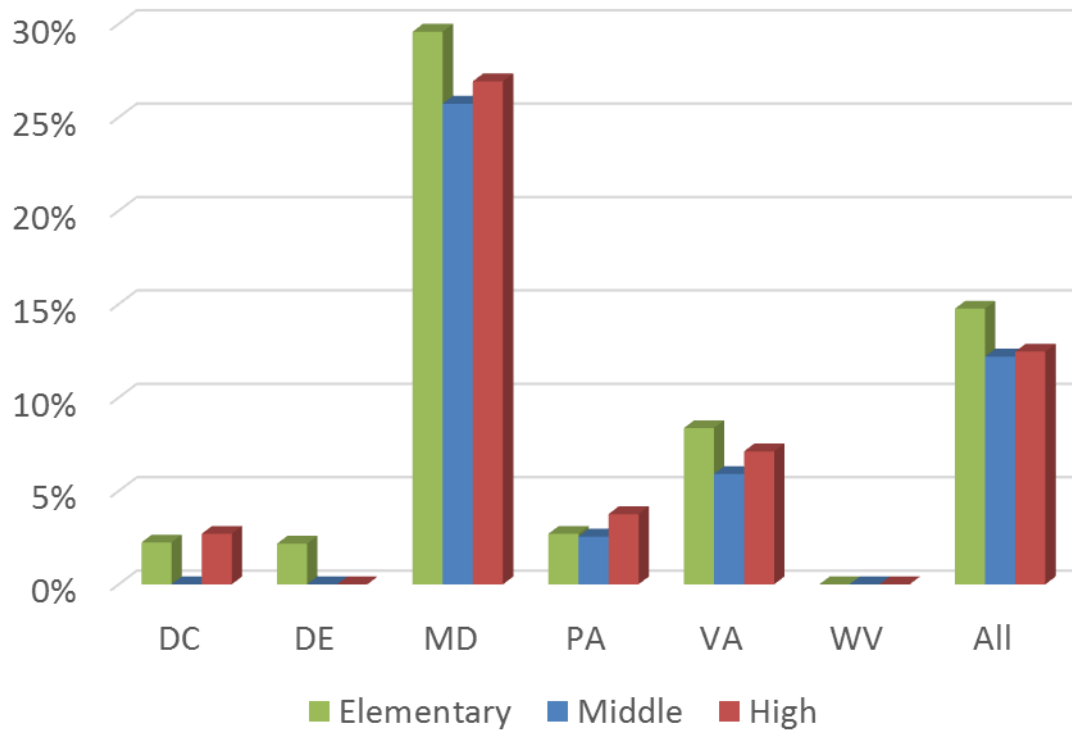
*Percentage is based on the total number of schools represented by the survey

Sustainable High Schools by State

State	# of LEAs in Survey	# of Reporting LEAs that Provided:		# of Schools	Sustainable Schools	
		# of Schools	# of Sus. Sch.		#	%
DC	2	2	1	37	1	3%
DE	19	11	0	15	0	0%
MD	24	23	14	208	56	27%
PA	118	107	2	106.5	4	4%
VA	105	104	11	281	20	7%
WV	2	2	0	3	0	0%
All	270	249	28	650.5	81	12%

*Percentage is based on the total number of schools represented by the survey

Sustainable Schools by State



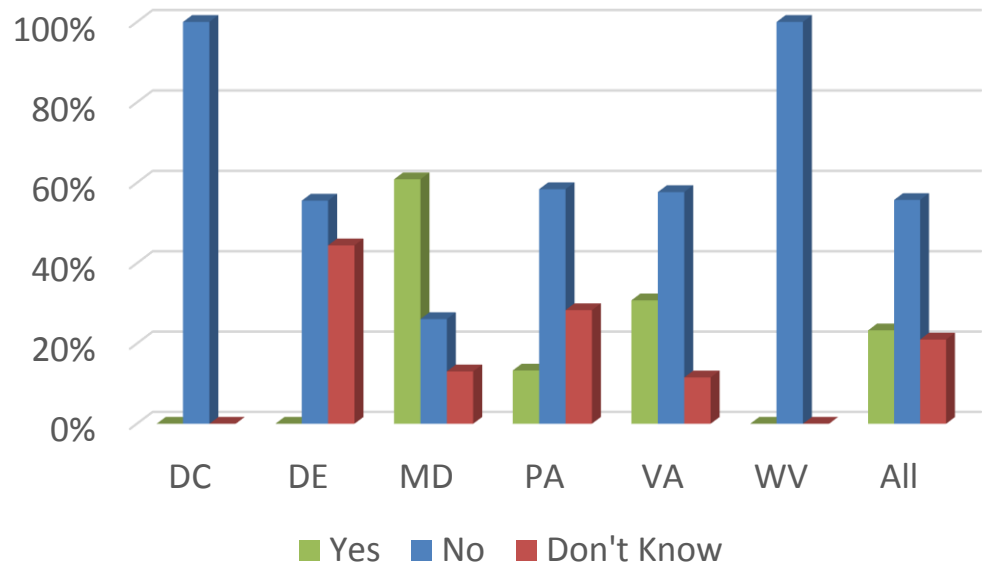
There were no LEAs in any state that noted they had sustainable schools but did not provide a total number of schools. All LEAs that noted they had sustainable schools also provided the number of total schools for each grouping (elem, middle, and high).

Participation in Other Sustainable School Efforts or Certifications

Does your LEA have a staff lead or team?

State	# of LEAs Reporting in Survey		Yes		No		Don't know	
	# of LEAs	g LEAs	#	%	#	%	#	%
DC	2	2	0	0%	2	100%	0	0%
DE	19	18	0	0%	10	56%	8	44%
MD	24	23	14	61%	6	26%	3	13%
PA	118	113	15	13%	66	58%	32	28%
VA	105	104	32	31%	60	58%	12	12%
WV	2	2	0	0%	2	100%	0	0%
All	270	262	61	23%	146	56%	55	21%

Reporting LEAs that have a staff lead or team?

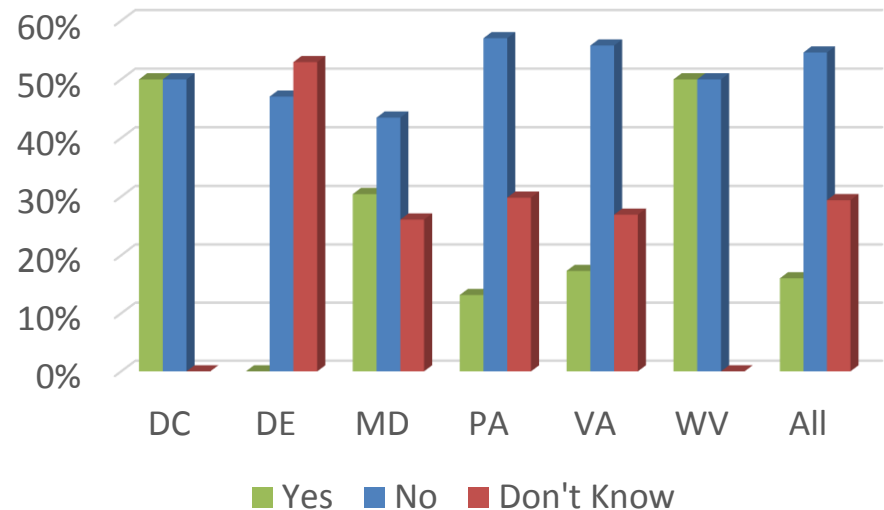


Participation in Other Sustainable School Efforts or Certifications

Does your LEA have policies or programs to reduce building/grounds impacts?

State	# of		Yes		No		Don't know	
	# of LEAs in Survey	Reporting LEAs	#	%	#	%	#	%
DC	2	2	1	50%	1	50%	0	0%
DE	19	17	0	0%	8	47%	9	53%
MD	24	23	7	30%	10	43%	6	26%
PA	118	114	15	13%	65	57%	34	30%
VA	105	104	18	17%	58	56%	28	27%
WV	2	2	1	50%	1	50%	0	0%
All	270	262	42	16%	143	55%	77	29%

Does your LEA have policies or programs to reduce building/ground impacts?

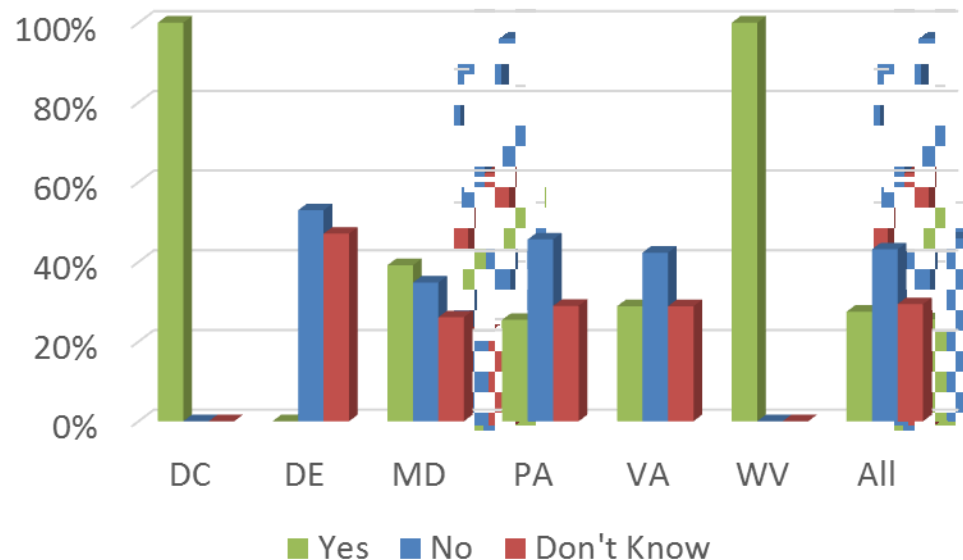


Participation in Other Sustainable School Efforts or Certifications

Does your LEA have policies or program to improve health and wellness?

State	# of LEAs Reportin		Yes		No		Don't know	
	in Survey	g LEAs	#	%	#	%	#	%
DC	2	2	2	100%	0	0%	0	0%
DE	19	17	0	0%	9	53%	8	47%
MD	24	23	9	39%	8	35%	6	26%
PA	118	114	29	25%	52	46%	33	29%
VA	105	104	30	29%	44	42%	30	29%
WV	2	2	2	100%	0	0%	0	0%
All	270	262	72	27%	113	43%	77	29%

Does your LEA have policies or programs to improve health and wellness?



SUSTAINABLE SCHOOLS - PROVIDERS

Sustainable Schools by State

State	Elementary Schools		Middle Schools		High Schools		Total Number of Sustainable Schools
	# of Schools	% of Total Sus. Sch.	# of Schools	% of Total Sus. Sch.	# of Schools	% of Total Sus. Sch.	
DC	3	43%	2	29%	2	29%	7
DE	1	33%	1	33%	1	33%	3
MD	318	58%	140	26%	90	16%	548
NY	26	59%	9	20%	9	20%	44
PA	4	21%	7	37%	8	42%	19
VA	43	59%	17	23%	13	18%	73
WV	5	33%	4	27%	6	40%	15
All	400	56%	180	25%	129	18%	709

NEEDS ASSESSMENT

Ranks Across Highest Priority Need Categories
(based on weighted scores)

Need Category	Avg. State		DC	DE	MD	PA	VA	WV
	Overall	Rank						
Funding	1	1.0	1	1	1	1	1	1
Teacher Professional Development	2	2.0	1	4	2	2	2	1
Curriculum Planning/Integration								
Support	3	2.7	1	2	3	4	3	3
Sustainable Schools Technical								
Assistance	4	4.7	4	4	3	6	5	6
Increased Alignment with								
Curriculum	5	4.8	6	6	3	5	6	3
Community Partnerships	6	5.0	6	2	6	3	4	9
Support from Board of Education	7	6.5	4	8	8	8	8	3
Outdoor Classrooms	8	6.7	6	7	6	7	7	7
Other	9	8.7	9	9	9	9	9	7

DC's Priority Needs Ranking

- 1 Funding
Teacher Professional
 - 1 Development
Curriculum Planning/Integration
 - 1 Support
Sustainable Schools Technical
 - 4 Assistance
 - 4 Support from Board of Education
Increased Alignment with
 - 6 Curriculum
 - 6 Community Partnerships
 - 6 Outdoor Classrooms
 - 9 Other
-

PA's Priority Needs Ranking

- 1 Funding
Teacher Professional
 - 2 Development
Community
 - 3 Partnerships
Curriculum Planning/Integration
 - 4 Support
Increased Alignment with
 - 5 Curriculum
Sustainable Schools Technical
 - 6 Assistance
 - 7 Outdoor Classrooms
 - 8 Support from Board of Education
 - 9 Other
-

DE's Priority Needs Ranking

- 1 Funding
Curriculum Planning/Integration
 - 2 Support
Community Partnerships
 - 4 Teacher Professional Development
Sustainable Schools Technical
 - 4 Assistance
Increased Alignment with
 - 6 Curriculum
 - 7 Outdoor Classrooms
 - 8 Support from Board of Education
 - 9 Other
-

VA's Priority Needs Ranking

- 1 Funding
Teacher Professional
 - 2 Development
Curriculum Planning/Integration
 - 3 Support
Community
 - 4 Partnerships
Sustainable Schools Technical
 - 5 Assistance
Increased Alignment with
 - 6 Curriculum
 - 7 Outdoor Classrooms
 - 8 Support from Board of Education
 - 9 Other
-

MD's Priority Needs Ranking

- 1 Funding
 - 2 Teacher Professional Development
Curriculum Planning/Integration
 - 3 Support
Sustainable Schools Technical
 - 3 Assistance
Increased Alignment with
 - 3 Curriculum
 - 6 Community Partnerships
 - 6 Outdoor Classrooms
 - 8 Support from Board of Education
 - 9 Other
-

WV's Priority Needs Ranking

- 1 Funding
Teacher Professional
 - 1 Development
Curriculum Planning/Integration
 - 3 Support
Increased Alignment with
 - 3 Curriculum
 - 3 Support from Board of Education
Sustainable Schools Technical
 - 6 Assistance
 - 7 Outdoor Classrooms
 - 7 Other
Community
 - 9 Partnerships
-

Note that when we looked at how the priority needs by state ranked if we were to isolate just the “Not Prepared” LEAs to see what they might need in order to be better prepared, the results mostly mirrored the results shown here, which cover “Well Prepared”, “Somewhat Prepared”, and “Not Prepared” LEAs.