

2014 Mid-Atlantic Sustainable Schools Workshop

Results of Pre-Workshop Calls

UMD Environmental Finance Center and
Region 3 U.S. Environmental Protection Agency
October 1, 2014

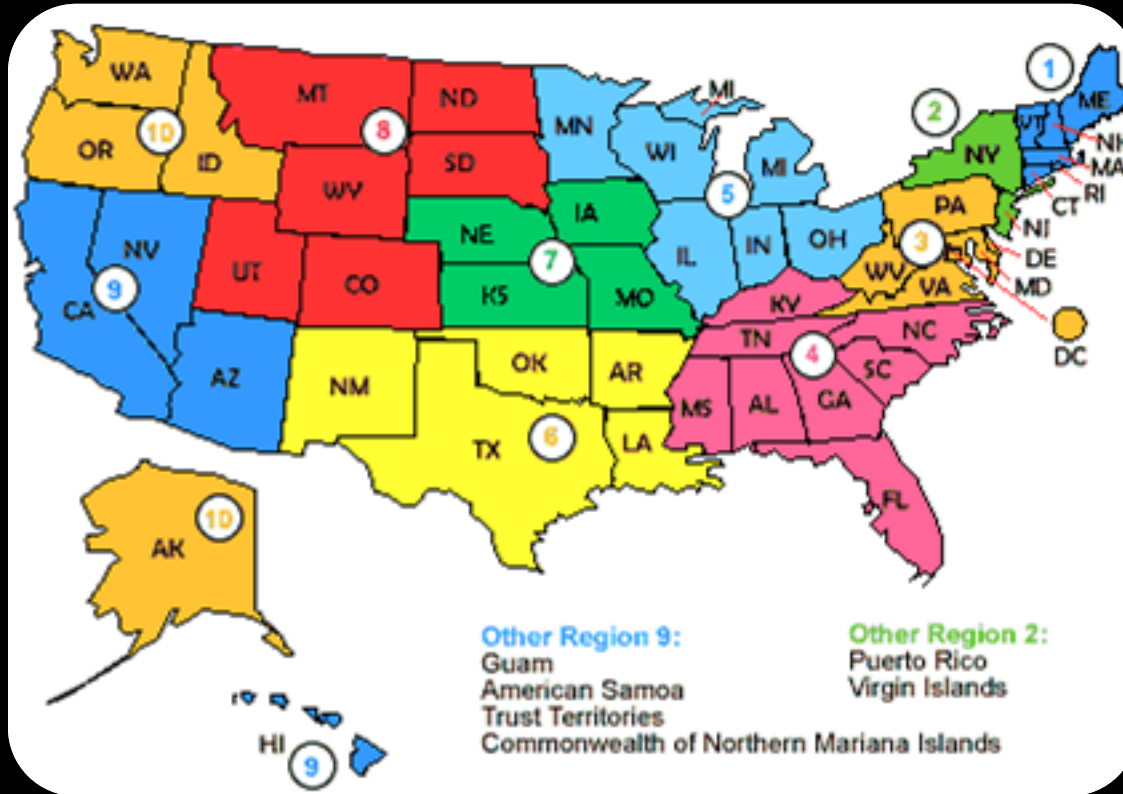


United States Environmental Protection Agency

EFC



The EFC: Who are we?



Help local and state organizations analyze and meet environmental goals in fiscally-sound manner



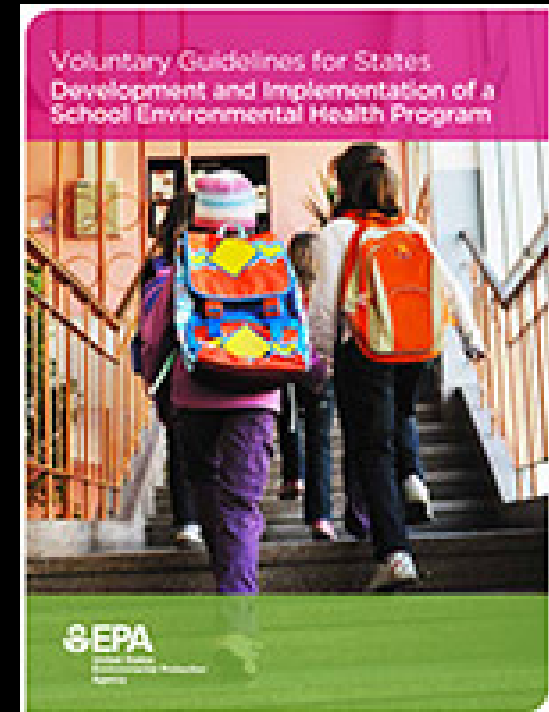
EFC Services and Assistance

- Technical Assistance
- Agriculture, Stormwater and Green Infrastructure
- Air Quality
- Climate and Energy
- Sustainability
- Program and Policy Analysis

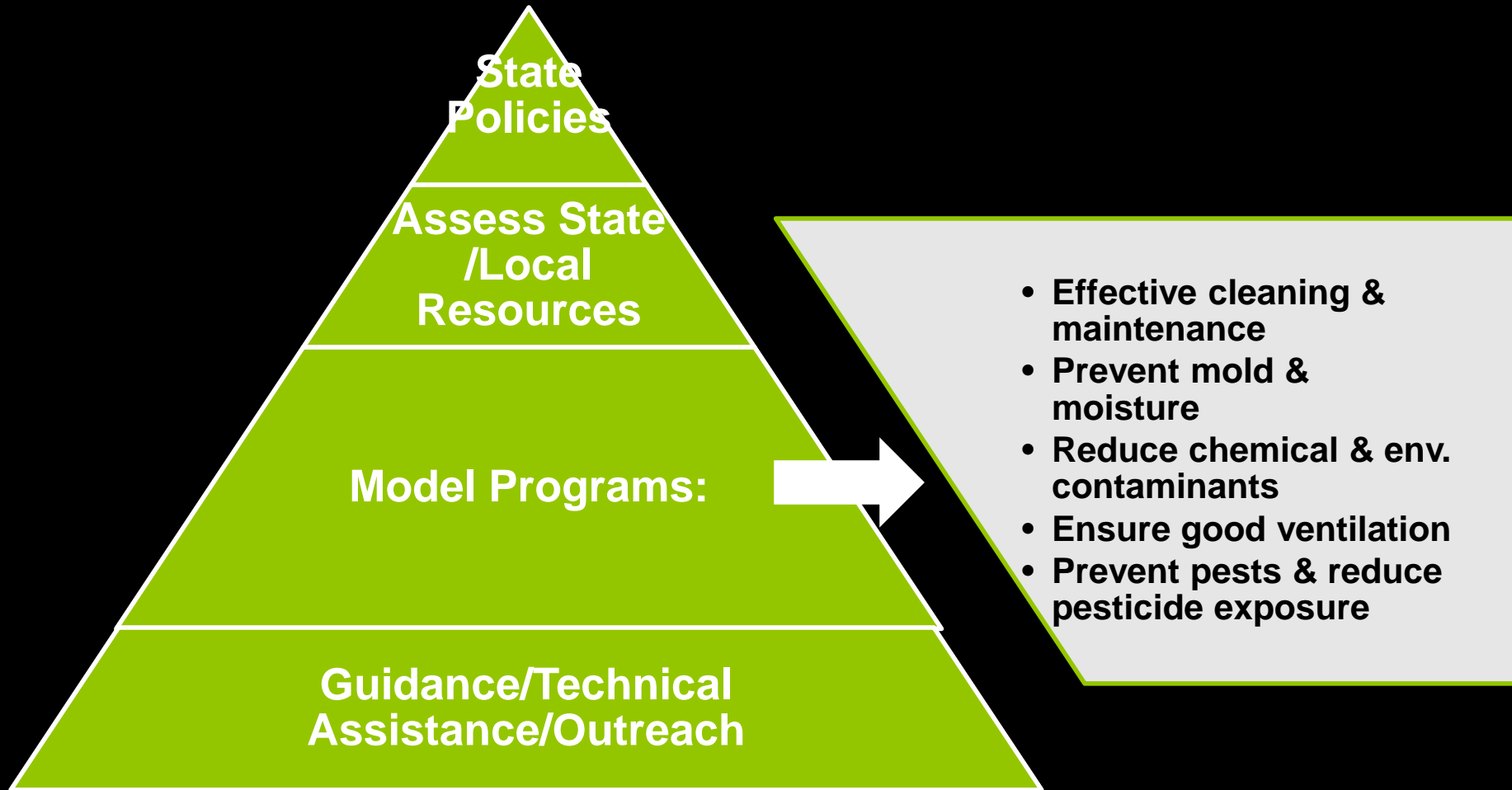


EPA-EFC Partnership: Why are we here?

- EPA developed State School Environmental Health Guidelines
 - **Guidance for states implementing K-12 school environmental health programs**
 - **Model K-12 school environmental health program**
 - **State Case Studies**
- EFC receives funding from EPA R3 to support sustainable schools initiatives in Mid-Atlantic



Basic Elements of a State School Environmental Health Program



Resource Inventories



Policies and Legislation



Water Resources - Stormwater Management, Water Conservation



Climate Change Mitigation and Energy Conservation



Solid and Hazardous Waste Reduction - Recycling, Composting, Chemical Management



Responsible Transportation



Schoolyard Greening / Habitat Restoration / School Gardens



Farm to School, Nutrition, Physical activity



Healthy School Environments - Green Cleaning, Pest Management, Asthma, Allergy



Environmental and Sustainability Education



Grant/funding program

Sustainable Schools Landscape





Who Am I?

During the 2014-15 school year, this jurisdiction awarded \$300,000 in grants to support 21 school gardens



District of Columbia: Policy



Sustainable DC Acts

Anti-Idling Law

DGS School Environmental Programs

DDOE Green DC Schools

Green Ribbon Schools

DC Greenworks – green
roofs, rain gardens, cisterns

DDOE Riversmart Schools

DC Environmental Education
Consortium – Schoolyard Greening

DC: SCHOOL SUSTAINABILITY PROGRAMS

DC School Garden Program

DC Safe Routes to School

OSSE Farm to School Program

DC Green Schools Challenge

DCPS Master Facilities Plan

DC Greens Farm to School Network

www.epa.gov/schools/
www.efc.umd.edu



Who Am I?

A gov't agency in this jurisdiction is introducing a new tool to benchmark school energy, water, waste and social factors

West Virginia: Policy

IAQ Laws

IPM in Schools

Energy Savings
Contracts for
School Districts

Minimum Energy
Standards for
Public Building
Construction

Allowance for
Alternative
Transportation
Costs

Anti-Idling

WV Physical
Activity Plan

School Tobacco
Policies

Saving Energy in Public Schools

WV Sustainable Schools

WV Safe Routes to School

WV Utilities' Energy Performance
Contracts and Programs

School Nutrition Program

WV Schools on the Move

WV: SCHOOL SUSTAINABILITY PROGRAMS

Green Schools for Teachers:
Sustainability Curriculum

Outdoor Wildlife
Learning Sites (OWLS)

Landscaping for Wildlife and
Wild Yards Program

R.E.A.P. Recycling Program

WV Master Gardener Program

www.epa.gov/schools/
www.efc.umd.edu

Who Am I?

Several school systems in this state are hiring sustainability coordinators for school operations

Maryland: Policy

Recycling in
Schools

Green Cleaning
in Schools

IPM in Schools

High
Performance
Building Act of
2008

IAQ in Portable
Classrooms

Anti-Idling

Tobacco-free
School
Environment

Environmental
Literacy

Maryland Green Schools-
Eco Schools USA Program

Green Ribbon Schools

Coordinated School
Health Programs

MD Recycling Program

Net Zero School Initiative

EmPOWER Maryland

MD: SCHOOL SUSTAINABILITY PROGRAMS

Utility Company Energy Programs

Maryland Safe Routes to School

Multiple programs supporting
schoolyard habitats/greening

Asthma Friendly Schools
Award Program

DNR Schoolshed Program

Farm to School Programs

Sustainable Communities

www.epa.gov/schools/
www.efc.umd.edu



Who Am I?

*We are a rural district in a small state that won
2007 ENERGY STAR PARTNER of the YEAR
And have been saving more that \$500,000 per
year since then!*

State of Delaware: Policy

Recycling in
Schools

IPM in
Schools

Bike Helmet

Anti-Idling

Tobacco-free
School
Environment

Safe
Chemical
Storage

Asthma
Policies

Green Ribbon Schools

Dept Ed Safe Chemical
Management Program

DEL-DOT - Safe Routes to
School

Your Heart in Your Hand - Wellness

Del Assoc Environmental
Education

Healthy Foods Healthy
Kids – K-5/ Science Edu

DE: SCHOOL SUSTAINABILITY PROGRAMS

Partnership for the Delaware
Estuary – Schoolyard Habitat

DuPont Nature Center

DVGBC – Pathways to Green
Schools - Energy Efficiency

Delaware Nature Society

Del Dept of Parks – Earth
Club

Delaware Children in Nature

ENERGY STAR

www.epa.gov/schools/
www.efc.umd.edu



Who Am I?

Home of the 2015 Green Schools National Conference – March 4-7 – See you there!

Commonwealth of Virginia: Policy

Recycling in
Schools

IPM in Schools

Anti-Idling

Tobacco-free
School
Environment

Chesapeake
Bay Restoration
Fund

Asthma Policies

School Health
Advisory
Boards

Testing for
Radon

Green Ribbon Schools

NoVa – Outside

Go Green Virginia –
League of Municipalities

Connect the Dots – James River GBC

Virginia Naturally – Va
Dept GIF

Chesapeake Bay Foundation

VA: SCHOOL SUSTAINABILITY PROGRAMS

Earth Force

Virginia Energy Sense Campaign

VA Dept of Education: School
Health Advisory Boards

Virginia Recycling Assoc –
School Recycling Toolkit

Clean School Bus USA

USFWS – Schoolyard habitat

VPI – IPM Extension

www.epa.gov/schools/
www.efc.umd.edu



Who Am I?

*We have the greatest number of Green
Ribbon Schools awardees*

Commonwealth of Pennsylvania: Policy

Recycling in
Schools

IPM in Schools

Anti-Idling

Tobacco-free
School
Environment

PlanCon
reimbursement
for LEED

Asthma
Policies

Pathways to Green Schools

Green Ribbon Schools

PA Green and Healthy
Schools Partnership

Green Schools Academy - GBA

DVGBC – Green Your School

PASBO – Green Committee

PA: SCHOOL SUSTAINABILITY PROGRAMS

Women for a Healthy Environment

Green Treks Network

Mom's Clean Air Council

PA DEP - Energy
Management and Growing
Greener

PPL Energy Utility – Energy Star
Benchmarking

High Performance Schools Grants

Philly Farm to School Program

www.epa.gov/schools/
www.efc.umd.edu

Common Themes Across Jurisdictions

- Need state-wide platform to share best practices, tools, training, and other resources
- Need increased collaboration/coordination among agencies and organizations implementing programs
 - **Enforcement of laws/policies and curriculum to facilities/grounds**
 - **Create better understanding /connections between health/facilities/education**
- Leadership from State Departments of Education is critical
- Need funding to support implementation of laws/policies: unfunded mandates have limited ability to affect change
- LEA buy-in is critical



Common Themes (cont.)

- Need for measurement
 - **Demonstrate cost savings**
 - **Establish other outcome measures**
- Need increased outreach/communication to schools & wider community regarding:
 - **Existing laws/policies**
 - **Available programs/resources/tools**
- Need teacher “champions”
- Engage students in school sustainability practices: older students can lead a culture change
- Show schools good examples: create inspiration

Green Ribbon Schools

Efficient
Schools +
Facilities

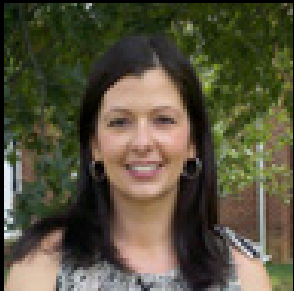
Health +
Wellness

Environmental/
Sustainability
Education

Thank you!



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