

## Biennial Strategy Review System: Logic Table and Work Plan

### Sustainable Schools Logic Table and Work Plan

**Long-term Target:** Continually increase the number of schools in the region that reduce the impact of their buildings and grounds on their local watershed, environment and human health through best practices, including student-led protection and restoration projects

**Two-year Target:** Not established

**KEY: Use the following colors to indicate whether a Metric and Expected Response have been identified.**

|                          |  |
|--------------------------|--|
| <b>Metric</b>            | Percent (and number) of public and charter schools in the Chesapeake Bay watershed certified sustainable |
| <b>Expected Response</b> | No timeline for progress for this action has been specified  |

| Factor   | Current Efforts   | Gap   | Actions (critical in bold)  | Metrics  |
|--|---|---|---|--|
| <i>What is impacting our ability to achieve our outcome?</i> | <i>What current efforts are addressing this factor?<br/>2016-2017 Actions</i>   | <i>What further efforts or information are needed to fully address this factor?</i>   | <i>What actions are essential to achieve our outcome? 2018-2019 Actions/Perf. Targets</i> | <i>Optional: Do we have a measure of progress? How do we know if we have achieved the intended result?</i> |
| State Agency and Partner Coordination                        | EPA meets with states during the year to encourage regular coordination meetings of state agencies involved in sustainable school activities.             | Recruit all appropriate state agencies to participate in convenings.<br><br>High-level support for statewide sustainable school certification programs.                       | 1.1 , 2.1 , 2.2 , 2.3   | No   |
| Local Education Agency Support                               | MAEOE has held focus groups from the 3 Green Ribbon Pillars to explore how best to engage district/ division level administrators in Sustainable Schools. | Facilities plans at the district level include sustainable schools elements.<br><br>The action items from the MAEOE assessment should be shared with all other states and DC. | 3.1 , 3.2   | Yes  |
| Aligning with Education Reform                               | CBP sending formal letter from  | Encourage and promote more participation in Green Ribbon.   | 1.3 , 3.1   |  |

|  |   |  |                 |    |
|--|---|--|-----------------|----|
|  | Management Board to US Dept of Education supporting Green Ribbon Schools Program.   | Consider having a Chesapeake Bay Green Ribbon Award.   |                 |    |
| School community (teachers, principals, staff) awareness and readiness | Promote Bay Backpack “School Projects” resources and support state-level training.  | Outreach to school administrators on sustainable school benefits to students and budgets<br><br>Training for building and maintenance staff about benefits and upkeep of BMPs<br><br>Teacher training in school sustainability | 3.1 , 3.2 , 3.3 | No |
| Funding and staff resources  | Training new coordinator for Sustainable Schools team from EPA; Identifying new participants for state and regional groups. | Grants for schools to implement sustainable school projects<br><br>Staff support within state agencies   | 1.1 , 1.2 , 1.3 | No |

| ENVIRONMENTAL LITERACY: 2018-2019 SCHOOLS WORK PLAN ACTIONS   |   |  |                                |                     |                   |   |
|---|---|--|--------------------------------|---------------------|-------------------|---|
| Action #  | Description   | Performance Target(s)  | Responsible Party (or Parties) | Geographic Location | Expected Timeline | Partner organizations                                   |
| <b>Management Approach 1: Strengthen and coordinate sustainable school state certification and recognition programs consistent with high-quality, recognized criteria such as the U.S. Department of Education Green Ribbon School program.</b> |   |  |                                |                     |                   |   |
| 1.1   | Convene state-level sustainable schools meetings to facilitate dialog and increase intentional connections among programs to create an easy-to-understand pathway for schools to engage in increasingly sophisticated sustainability efforts. |  |                                |                     |                   |   |
|   |   | Work with states to better understand state efforts and increase collaboration across state lines  | EPA                            | Region              | Ongoing           |   |
|   |   | Regularly convene sustainable schools representatives to highlight lessons learned and discuss shared interests  | EPA                            | Region              | Ongoing           |   |
|   |   | Collaborate within the VDOE, include representatives from the departments of facilities, health and PE, school nutrition, STEM, to determine information that can be included on VDOE website on sustainable school practices. Create links between sites to allow for easier access to information. | VDOE                           | VA                  | Dec 2018          |   |
|   |   | Continue to serve on the PA GHSP Advisory Board and collaborate with PDE, DCNR, EPA, Dept of Ag, PennDot, and Dept. of Health on sustainable school participation.   | PA PDE                         | PA                  | Ongoing           | PA DEP, DCNR, PDE, Dept. of Ag, Dept. of Health and EPA |
|   |   | Coordinate connections between and among Eco-Schools, PLT Green Schools, and Green Ribbon Schools.   | PAGHSP                         | PA                  | 2020              | PA DEP, PDE, DCNR, EEAC, PAGHSP                         |
|   |   | Create and maintain a new Delaware sustainable schools group.  | DOE                            | DE                  | Ongoing           | Delaware United, DNS, DNREC, EPA,                       |
| 1.2   | Identify additional funding opportunities to support sustainable school efforts.  | Review funding inventory provided to Management Board for programs applicable to Sustainable Schools.  | EPA                            | Region              | Jul 2018          | NOAA  |
|   |   | Encourage the submission of sustainable schools projects to the EPA environmental education grants program   | EPA                            | Region              | Ongoing           |   |
|   |   | Identify additional federal resources that could support Sustainable Schools efforts.  | EPA                            | Region              | 2019              |   |
|   |   | Continue to offer the PA DEP Environmental Protection EE Grant Program to fund sustainable school programs throughout PA.  | PA DEP                         | PA                  | Ongoing           | PA DEP  |
|   |   | WV DEP Chesapeake Bay Program "Tributary Team" investigating potential U.S. EPA Bay Program funding for MWEE and sustainable schools.  | Cacapon Institute              | WV Bay Counties     | Dec 2019          | Experience Learning, WVDEP                              |
| 1.3   | Collect successful program models and lessons learned and share among partner organizations to improve programs and increase collaboration.   | Develop a plan to showcase Sustainable Schools efforts on Bay Backpack.  | CBP                            | Region              |                   | MAEOE   |
|   |   | Create profile sheets for DC recipients of the US Green Ribbon Schools Recognition and post on the OSSE website.   | OSSE                           | DC                  | 2019              | LEAs  |

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| Action #  | Description  | Performance Target(s)   | Responsible Party (or Parties) | Geographic Location | Expected Timeline | Partner organizations                                    |
|   |  | Provide exemplars of effective sustainable school programs, as evidenced by earning the USDOE Green Ribbon School designation, on the VDOE website.   | VDOE                           | VA                  | Annually          |  |
|   |  | Support USDOE Green Ribbon School designation and support schools in the Eco-Schools and PLT Green Schools programs.  | PA PDE                         | PA                  | Ongoing           | PA PDE, DCNR,  |
|   |  | Post program models and other materials on the PA Green and Healthy Schools Partnership website.  | PA PDE                         | PA                  | Ongoing           |  |
|   |  | Promote Green Schools at state conferences.   | PAGHSP                         | PA                  | 2020              | PA DEP, PDE, DCNR, EEAC, PAGHSP                          |
|   |  | Promote the Keystone Energy Education Program (KEEP) professional development workshops.  | PA DEP                         | PA                  | Ongoing           | PA DEP, PDE  |
| <b>Management Approach 2: Broaden stakeholder engagement beyond environmental literacy constituents to broaden awareness, build partnerships, and increase support.</b> |  |   |                                |                     |                   |  |
| 2.1   | Increase the number of facilities, health, and other related professionals engaged in state level sustainable schools convenings to better inform sustainable schools efforts and increase sustainability considerations across disciplines. | Conduct targeted outreach to influential state agency staff and stakeholder groups to raise awareness and support for sustainable schools.  | CBP                            | Region              |                   | PA DOE, VA, DOE, MSDE                                    |
|   |  | Develop a means to connect and better integrate the various programs and initiatives offered at the state level to support sustainable practices in schools; provide readily accessible information on these resources via BayBackpack, linked to partners' websites; and promote them through existing sustainable schools programs. | MD Project Green Classrooms    | MD                  | Dec 2018          | MSDE, DNR, MDP, MDE, MAEOE, NWF                          |
|   |  | Explore the possibility of creating a sustainable schools subcommittee as part of the District's Healthy Youth and Schools Commission, to provide guidance on how to move forward with a state green school certification program.  | OSSE                           | DC                  | 2019              |  |
|   |  | Integrate additional agencies into the PA Green and Healthy School Partnership, including Dept. of Ag, Health, and PennDOT.   | PA PDE                         | PA                  | Ongoing           | PA DEP, DCNR, PDE, Dept of Health, Dept. of Ag., PennDot |
|   |  | Target additional agencies to participate in the GHSP and recognize awardees at annual recognition program.   | PA PDE                         | PA                  | Ongoing           | PA DEP, DCNR, PDE,                                       |
|   |  | Increase and strengthen school based policies focusing on nutrition and physical activity by promoting technical assistance and best practices.   | PAGHSP                         | PA                  | 2020              | PA DEP, DCNR, PDE, Dept of Health, Dept. of Ag., PennDot |
|   |  | Identify best management practices to make school buildings and grounds more sustainable.   | PAGHSP                         | PA                  | 2020              | PA DEP, DCNR, PDE, Dept of Health, Dept. of Ag., PennDot |
|   |  | Collaborate within the VDOE, include representatives from the departments of facilities, health and PE, school nutrition, STEM, to disseminate information on sustainable school practices.   | VDOE                           | VA                  | Ongoing           |  |

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| Action #  | Description   | Performance Target(s)  | Responsible Party (or Parties) | Geographic Location | Expected Timeline   | Partner organizations                               |
|   |   | Communicate state and national sustainable school award programs through VDOE Science Update and Teacher Direct.   | VDOE                           | VA                  | Ongoing   |   |
|   |   | Facilitate collaboration between state agencies and LEAs to provide a more holistic approach to sustainable environments to include health & nutrition, agriculture, community involvement, and economics.   | VRUEC                          | VA                  | Ongoing   | VDOF, VAEE, VCE, DGIF, VCEE, VDOE, DEQ              |
| 2.2   | Better connect with other Chesapeake Bay Program Goal Implementation Teams and state working groups/networks to support implementation of best management practices at schools.   | Conduct survey of CBP Goal Implementation Teams to determine opportunities to conduct projects at schools.   | CBP                            | Region              | Dec 2018  | EPA, NOAA, NPS                                      |
|   |   | Promote cross-program training across state agencies.  | VDOE                           | VA                  | Annually  | DNR   |
|   |   | Provide reports and updates to CBP through the Education Workgroup, work with the Diversity Working Group on career pathways efforts that apply within schools; report on our actions within the agencies to promote cross-program coordination.   | Project Green Classrooms       | MD                  | Annually / ongoing  | MD DNR, MSDE, others                                |
|   |   | Explore the possibilities of linking with Adopt-a-Stream initiatives as well as wildlife efforts.  | DOEE                           | DC                  | Ongoing   |   |
|   |   | Coordinate PAGHSP participants with the NOAA PA Environmental Literacy Capacity Building Task Force to connect with the Chesapeake Bay Program.  | PA PDE                         | PA                  | Ongoing   | PA DEP, DCNR, PDE, Stroud Water Research Center     |
|   |   | Engage WV Chesapeake Bay Program "Tributary Team" in implementing school-based stormwater reduction BMP's that include MWEE.   | Cacapon Institute              | WV Bay Counties     | Dec 2019  | Experience Learning, WVDEP, WVCA, WVDOF             |
| <b>Management Approach 3: Identify and disseminate sustainable schools information and resources to school districts and schools.</b> |   |  |                                |                     |   |   |
| 3.1   | Support development of school and school division sustainability plans that clearly outline program components and best practices, and disseminate them to encourage replication. |  |                                |                     |   |   |
|   |   | Develop recommendations and guidance for implementing sustainable practices at school facilities and grounds; explore options to secure a statewide sustainable schools coordinator to provide technical assistance for school districts to develop and implement sustainability plans to systemically increase the number of sustainable schools in Maryland. | Project Green Classrooms       | MD                  | Recomm.s Dec 2018; coordinator, some plans 2019; [more plans, training, implement 2020] | MSDE, DNR, MDP, MAEOE, NWF, MDE, etc.               |
|   |   | Engage school district experts, stakeholders, and state/federal agencies to provide suggestions for tools, resources, training opportunities, and other assistance to schools for implementing sustainable/healthy schools.  | VDOE                           | VA                  | Annually  | CBF, VRUEC, VDOF, DGIF, VAEE, DCR, etc.             |
|   |   | Support implementation of stormwater BMPs through professional development workshops for formal and non-formal educators.  | PA DEP                         | PA                  | Ongoing   | PA DEP, DCNR, PDE, Stroud Water Research Center etc |
|   |   | Continue support of PA Green Ribbon Schools, Eco-Schools, and PLT Green Schools programs to encourage state and district level sustainability efforts.   | PA PDE                         | PA                  | Ongoing   | DEP, DCNR, PDE, EPA                                 |

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| Action #  | Description  | Performance Target(s)  | Responsible Party (or Parties) | Geographic Location    | Expected Timeline | Partner organizations                               |
|   |  | Encourage schools to participate in WV Sustainable Schools and WVDEd Green Ribbon Schools.   | Cacapon Institute              | WV                     | Ongoing           | Experience Learning, WVSTA, WVDE                    |
| 3.2   | Collect and disseminate studies and information about sustainable schools awards programs, opportunities, and benefits, including cost savings, student health, student achievement. |  |                                |                        |                   |   |
|   |  | Update VDOE Healthy Schools website to reflect up to date BMP and sustainable schools benefits.  | VDOE                           | VA                     | Ongoing           |   |
|   |  | Promote successful sustainable school initiatives through the DEP EE Grant program and the NOAA PA Environmental Literacy Capacity Building Task force.  | PA DEP                         | PA                     | 2019              | PA DEP, DCNR, PDE, Stroud                           |
|   |  | Communicate state and national sustainable school award programs through VDOE Science Update and Teacher Direct.   | VDOE                           | VA                     | Ongoing           |   |
|   |  | Encourage large scale participation in the US Green Building Council Green Apple Day of Service  | EPA                            | Region                 | Yearly            |   |
| 3.3   | Encourage and support the installation of BMP projects on school grounds.  |  |                                |                        |                   |   |
|   |  | Continue to promote videos on the DEP website including: "Stream Maintenance Guide", The Susquehanna River Story", "Looking Below the Surface" and "Be Stormwater SmartPA".                    | PA DEP                         | PA                     | Ongoing           | PA DEP  |
|   |  | Support implementation of stormwater BMPs through professional development workshops for formal and non-formal educators.  | PA DEP                         | PA                     | Ongoing           | PA DEP, DCNR, PDE, Stroud Water Research Center etc |
|   |  | Complete and post a series of videos on stormwater management to supplement school projects materials on Bay Backpack.   | NWF                            | Region                 | 2018              | CBP   |
|   |  | Through the RiverSmart Schools program, provide teachers with training and financial resources to install conservation sites on their school grounds and integrate them into their curriculum. | DOEE                           | DC                     | 2018              | Design-Build contracts, LEAs                        |
|   |  | Continue to offer the Keystone Energy Education Program (KEEP) professional development workshops.   | PA DEP                         | PA                     | Ongoing           | PA DEP, PDE   |
|   |  | Coordinate state Green Ribbon Schools Programs.  | Various                        | WV, DE, MD, PA, VA, DC | Yearly            | DDOE, Experience Learning, OSSE, MSDE, VDOE, PDOE   |
|   |  | Maintain the PA Greener Schools Program.   | Green Building United          | PA                     | Yearly            | Various partnerships                                |
|   |  | Broadly engage Potomac Highlands communities in stormwater runoff pollution mitigation BMP's including schoolyard based BMP's tied to MWEE's.  | Cacapon Institute              | WV Bay Counties        | Nov 2019          | Experience Learning, WVDEP, WVCA, WVDOF             |
|   |  | Continue support of PA Green Ribbon Schools and Eco-Schools programs.  | PA PDE                         | PA                     | Ongoing           | DEP, DCNR, PDE, EPA                                 |

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|--|-------------|---|--------------------------------|---------------------|-------------------|---|
| Action #   | Description | Performance Target(s)   | Responsible Party (or Parties) | Geographic Location | Expected Timeline | Partner organizations                   |
|  |             | Broadly engage schools, and school communities, in stormwater runoff reduction BMP's with MWEE. | Cacapon Institute              | WV Bay Counties     | Ongoing           | Experience Learning, WVDEP, WVCA, WVDOF |
| <p><i>**Note: As a member of the Chesapeake Executive Council and a signatory to the Chesapeake Bay Watershed Agreement, the Chesapeake Bay Commission (CBC) functions as the legislative arm of the Chesapeake Bay Program working within Maryland, Pennsylvania and Virginia and at the federal level to identify specific Bay management concerns requiring intergovernmental coordination and cooperation. CBC makes recommendations to the federal, state and local governments on legislative and administrative actions necessary to effectuate coordinated and cooperative management for the Bay watershed. The Commission will work collaboratively with Bay Program partners to identify legislative, budgetary and policy needs to advance the key actions identified in this outcome and to anticipate those needed in the future. The CBC's work is supported by the annual appropriations of its three member states totaling \$675,000 and is, on occasion, supplemented by project-specific grants.</i></p> |             |   |                                |                     |                   |   |