

SURVEY OF EE ORGANIZATIONS

- KEEC created a survey of EE organization for two purposes:
 - In response to discussion about statewide coordination and marketing during the KEEC Council Retreat in July, the survey was designed to get basic information about activities at EE organizations for an annual report to be published early next year.
 - In order to gauge interest in the development of the Kentucky Environmental Education Leadership Corps, several questions were included for potential AmeriCorps member host sites.
- KEEC received 26 responses to the survey after it was advertised in KEEC's fall newsletter, in the Kentucky Association for Environmental Education e-news, and on the KEEC website. Members of the Interagency Subcommittee on Environmental Education were the only organizations individually contacted and encouraged to fill out the survey. Responses to the annual report question are included below.
- Based on feedback about the initial version of the survey, and in order to better collaborate with KAEE, KEEC has created a new version of the survey that will be more heavily advertised with targeted requests. The new version is presented below.

Initial Survey Responses

Please provide your contact information:	In 1-3 paragraphs, please describe the environmental education* that your organization offered from September 2016 through August 2017. This description will be published in an annual report on environmental education in Kentucky.*Environmental education deals with the interrelationships between humans and the natural world. It can be interdisciplinary, and it includes education on everything from basic environmental knowledge to complex environmental issues. For example: solid waste education, conservation education, agricultural education, outdoor education, energy education, green schools programs, environmentally-themed arts, sustainability education.
Organization Name	Open-Ended Response
Stinnett Elementary	
Kentucky Division of Water	<p>Each year the Kentucky Division of Water’s Nonpoint Source and Basin Team Section works to provide education and outreach to folks in our beautiful state regarding issues impacting their water. The type of education and outreach is catered to each group’s needs and includes meetings, trainings, presentations, booths, activities and much more. As an example, one of the busiest times of year for environmental education is the spring, especially around Earth Day. In 2017 leading up to Earth Day, Governor Matthew Bevin declared March 19-25 Water Week in Kentucky. During that week multiple events were planned in coordination with our project partners. This initiative was led by the Kentucky Division of Water (DOW), and the events included rain barrel workshops, river cleanups and Project WET educator workshops. In addition DOW participated in multiple Earth Day events including our own Cabinet’s, the Energy and Environment Cabinet. DOW also participated in the Envirothon, a competitive event where natural resource professionals train and test students’ knowledge of real life environmental issues. It consists of two regional trainings and competitions with the regional winners advancing to the state competition and the state winners advancing to the international Envirothon. One of the most requested education and outreach events is to offer an activity to a class or group. Frequently we take participants to a stream and let them “get their feet wet,” demonstrating basic water chemistry and showing them some of the life in the stream. We often use an enviroscape, a model that depicts what’s happening on the land that impacts our water. Moreover we offer any number of Project WET activities depending on the age and knowledge of the group. A great example of a program we provide is the Incredible Journey, an activity that takes participants on a trip through the water cycle and helps them to trace the path a raindrop may take. In 2017 our section attended multiple meetings and conferences where we frequently presented and/or exhibited at the event. We passed out materials developed in-house and worked to brand DOW. In addition we offered our own trainings such as Watershed Coordinator Meetings, Watershed Watch Volunteer Trainings, Project WET Trainings and much more. We have worked to establish a network of well-trained individuals to help promote the mission of DOW. Though Education and Outreach is only a part of what DOW does, some would argue it is the most important component. An educated public can make smart choices about how to use and conserve its water resources helping to accomplish the mission of the Kentucky Division of Water.</p>
KCTCS	
Living Arts & Science Center	
KY Division of Compliance Assistance	

EnviroHealthLink, Kentucky's Environmental Public Health Tracking Network	
US Army Corps of Engineers	The US Army Corps of Engineers provides interpretive, environmental education, STEM, and water safety programming to the visiting public and school groups at our lake projects across the state of Kentucky.
Northern Kentucky University, Center for Environmental Education	NKU's CEE has offered the following experiences in environmental education from September 2016 through August 2017: The Center for Environmental Education, housed in the Department of Teacher Education, provides an Endorsement in Environmental Education. This endorsement program requires the completion of four courses, 12 credits. All four courses were offered during the 2016/17 academic year. In addition to the endorsement program the CEE works with preservice teachers, collaborates with organizations both on and off campus, and provides professional development for in-service teachers. In the fall of 2016 preservice teachers became certified educators in the Project Learning Tree Southeastern Forest and Climate Change curriculum. This training was embedded in the science methods course offered by the Department of Teacher Education. Participants completed four activities from the PLT curriculum guide, all focused on climate change. In addition to completing the activities, participants discussed best practices in teaching about climate change and appropriate pedagogical skills. During the spring semester of 2017 the CEE and two preservice science teachers participated in the Sustainability Celebration, a campus wide event. During this event the CEE hosted a table and provided participants with information on alternative gardening. The middle grades science preservice teachers used an aeroponic growing system to grow vegetables in the classroom during the spring semester. The grow tower was moved out to the courtyard for display during the event. Preservice teachers were able to share their experience and knowledge in the area of sustainability and alternative agriculture. A summer workshop for in-service teachers was offered in June 2017. The workshop objective was to provide teachers with the tools and knowledge needed to teach about climate change. Teachers became certified in the Project Learning Tree Southeastern Forest and Climate Change curriculum as participants of this professional development.
Morehead State University	
Kentucky Waterways Alliance	
Kentucky Association for Environmental Education	
Smithsonian Student Adventures	
Kentucky 4-H Camping, J.M. Feltner 4-H Camp	We provide environmental education that includes conservation education, outdoor education, environmentally themed physical fitness and nutrition, as well as basic adventure/ "get outside" type programs and classes, with some STEM and STEAM components too.
Lexington Parks and Recreation	Lexington Parks and Recreation offers environmental education programs to the public and to specific groups year around. Our two main Environmental Education facilities are Raven Run Nature Sanctuary and McConnell Springs Park. The programs offered at these facilities in 2016 and 2017 included Little Explorers and Junior Naturalist which are monthly programs offered to the public that cover many different topics such as history of the Bluegrass, fossils, plant and animal identification, how to attract wildlife to your home and many more. Other programs offered at these facilities include Stargazing, night hikes and owl prowls, a reoccurring history series presented by local historians, the Bluegrass Birding Festival, and many more. Both parks also offer programs to schools and community groups as a field trip option. These programs

	usually include topic discussion, hands on activities, and a guided hike through the park to reinforce the program topic. Topics for these programs include history of the bluegrass, adaptations of plants and animals, water quality, karst systems and geology, and we also do many custom programs for groups. These programs like all other programs that we offer are free of charge and in line with Next Generation Science Standards.
Kentucky Department of Education	
Eastern Kentucky University's Division of Natural Areas	EKU's Division of Natural Areas offers and/or facilitate a variety of environmental education opportunities to P-16 students as well as the general public in its 3 different Natural Areas and in area schools. This past year we hosted 18 university groups from both ECU and other universities across the region. One was a field based course taught by ECU. We provided programming for 25 P-12 school groups which reached 1424 students. Our personnel help provide 5 professional development experiences for inservice teachers and non-formal educators reaching 225 professionals. We hosted 5 community outreach events including 2 Family Nature Days at Maywoods and 3 interpretive hikes at Taylor Fork. This summer the Division of Natural Areas also hosted a NSF funded Research Experience for Undergraduate titled Disturbance Ecology in Central Appalachia. We had 10 undergraduates throughout the region working on various ecological research projects. In addition, we hosted a Research Experience for Teachers in which 2 teachers also participated in a research experience that could translate into their classroom.
The Arboretum, the State Botanical Garden of Kentucky	The mission of The Arboretum, State Botanical Garden of Kentucky, is to “showcase Kentucky landscapes and serve as a resource center for environmental and horticultural education, research and conservation.” We have three distinct collections at The Arboretum: The Home Demonstration Garden, the Walk Across Kentucky and the Kentucky Children’s Garden. Each space offers programming and passive learning opportunities. The Arboretum hosts annual events that have educational components including Arbor Day, Party for the Pumpkins, Insect Safari and more. We also have classes throughout the year, attend outreach events in the community and have a thriving volunteer program. The majority of our educational efforts over the past year have been focused in the Kentucky Children’s Garden (KCG). The KCG provides a space for families to explore and connect with nature by engaging in unstructured play, which is an essential element in early childhood learning. In the raised garden beds, for example, children love to help water fruits and vegetables and can learn where their food comes from. Parents can help them learn plant names and they may even see a bee pollinating the flowers. On Saturdays, during programming, kids can help with planting, harvesting and tasting in the gardens. Additional structured learning opportunities in the KCG include daily, nature-themed, educational programming including science experiments, crafts, story time, gardening and nature walks. The KCG also host field trips with local elementary schools and an event series called Celebrating the Seasons.
Earth & Spirit Center	Through classroom activities and a West Louisville bus tour, our Environmental Justice workshop helps students understand the connection between environmental challenges, the health of humans and communities, and issues of race, income, and justice-and give participants resources to make a difference. Camp Nature Odyssey is designed to cultivate a sense of awe and wonder in children entering grades 1-6. In our historic barn, in our outdoor classroom, and on our 21 acres of fields, woods, and gardens, children have opportunities to experience and learn more about the natural world in which they live. They learn about natural resources, growing food, and reducing their environmental impact, and they discover a sense of belonging in our world. Our school field trips apply Next Generation Science Standards to facilitate students in phenomenon-based environmental education. These multi-disciplinary

	<p>lessons are customized to fit within the school's unit. Topics covered this year were erosion, water conservation, water pollution, runoff, soil pollution, biodiversity, and wetlands.</p>
Bluegrass Greensource	
Kentucky Department of Education - Coordinated School Health	<p>Our work mainly deals with nutrition and physical activity. How these things can be improved through local wellness policies and opportunities for students to receive education and programs. We provide professional development to schools and districts every summer on improving wellness policies and different ways to improve the nutrition and physical education/activity environments in schools.</p>
Division of Conservation	<p>The Jim Claypool Art and Conservation Writing contest is a natural resources contest for students K-12 to create posters or write essays on a rotating topic. For the 2016-2017 year, the topic was forestry. A total of 59,412 students participated.</p>
Kentucky Division for Air Quality	<p>DAQ staff provide presentations on outdoor and indoor air quality, transportation and idle reduction, health and environmental impacts of air pollution, energy conservation, and Kentucky's open burning regulation. During fiscal year 2017, division staff reached 6,176 people in 20 counties. School programs drew the largest audience (3,572) as DAQ staff participated in several school-wide science and technology fairs as well as several environmental field days at regional parks and 4-H camps. The majority of these students received direct, face-to-face contact with DAQ staff presenting educational programs about air quality, energy, and careers in science. Public programs drew the second-largest audience (1,960) as division staff participated in several large spring festivals. In addition to outreach, the division communicates to the public through published articles, blogs, educational brochures, and social media.</p>
EEC-Division of Compliance Assistance	<p>The Division of Compliance Assistance (DCA) exists to provide services that increase environmental knowledge and encourage behavioral changes. We do this to improve regulatory compliance, achieve exceptional performance and enhance the quality of Kentucky's environment and communities. We assist and educate regulated entities so they understand and can comply with their environmental obligations. We educate and encourage Kentucky's citizens, communities and businesses so they make informed choices that value Kentucky's environment and create healthier, stronger communities. We certify select environmental professionals to maximize appropriate actions and effective operations at regulated locations. We accomplish this annually through our KY EXCEL, KY EXCEL Farm, Environmental Compliance Assistance, Operator Certification and Brownfields programs.</p>
Kentucky FFA	<p>Currently there are 146 high school agricultural education programs in Kentucky. These programs provide various educational programs related to the environment for approximately 25,000 students per year. This includes soil and water conservation, wildlife management, and other environmental related topics. Kentucky FFA offers a Land Judging contest and a Forestry Judging contest. We also partner with the Division on Conservation on the state Envirothon contest.</p>
Fayette Co Public Schools	<p>A FCPS Green School reduces environmental impact of buildings and grounds, has a positive effect on student and teacher health, and increases environmental and sustainability literacy among students and graduates through inquiry-based, student-driven initiatives. To that end, Fayette Co Public Schools Sustainability Team believes that all students deserve the opportunity to be educated in healthy, sustainable, efficient environments conducive to learning. To serve the holistic learner, our comprehensive, inclusive approach to sustainability focuses on the three pillars of sustainability: Building Efficiency, Environmental Literacy, Student & Staff Wellness. E=USE2 is strategically aligned to three dimensions of NGSS with special emphasis given to Engineering Practices and Real-World Application. The E=USE2 program is a tool to assist school leaders in making decisions to improve student-driven sustainability--to include energy efficiency, environmental literacy and student wellness--through student-driven, standards-aligned data collection, projects and initiatives in their</p>

	<p>building and on campus. By choosing smart, sustainable options, schools improve students' environmental literacy, save natural and financial resources and provide healthier, more effective learning environments by applying 21st Learning and STEAM skills. E=USE2 content and lesson are closely monitored to maintain KY Core Academic Standards alignment with special emphasis on NGSS, Common Core and Practical Living. Each step of E=USE2 is purposefully infused with STEAM activities and learning objectives. Once formed, each E=USE2 Team will receive the tools necessary to complete the program: a Kill-A-Watt meter, foot-candle light meter, infrared temperature tool, CO2/temp/RH meter, patrol Thank You and Ticket post-its, Energy Team lanyards/badges, awareness materials and the steady support and guidance for the energy sustainable projects that a school chooses to implement. Tresine Logsdon, FCPS Energy & Sustainability Curriculum Coordinator, will offer support by facilitating and mentoring school E=USE2 Teams, serving as portals to local, district, state and national resources and partnerships and curriculum, providing guidance through KY NEED and KGHS programs and serving as a one-stop source for assistance on sustainable solutions for schools.</p>
<p>Kentucky State University</p>	<p>Kentucky State University provides multiple types of environmental education, including: Conservation and Outdoor education at our 307-acre Environmental Education and Research Center located in Henry County, KY. At the Center, KSU worked with educators, school groups, and summer programs to introduce students to outdoor experiences, watershed and forest education. KSU also partnered with Franklin County Solid Waste to offer the first ever Master Recycler Program, offering solid waste education in a 6-part series. Through trainings in national curricula like Project Learning Tree, Project WET, and the Leopold Education Project, KSU was able to provide interdisciplinary education to diverse educator audiences. The KSU KY River Thorobred taught visitors about watersheds and water quality on cruises down the KY River.</p>

1. Organization Information

1. What is the name of your organization?

2. Please provide your organization's contact information:

Web Site

Street Address

City, State ZIP

3. Would your organization be interested in having a description of its environmental education offerings published in an annual report on environmental education in Kentucky?

Yes

No

2. Annual Report on Environmental Education

4. In 1-3 paragraphs, please describe the environmental education* that your organization offered from September 2016 through August 2017. This description will be published in an annual report on environmental education in Kentucky.

*Environmental education deals with the interrelationships between humans and the natural world. It can be interdisciplinary, and it includes education on everything from basic environmental knowledge to complex environmental issues. For example: solid waste education, conservation education, agricultural education, outdoor education, energy education, green schools programs, environmentally-themed arts, sustainability education.

3. KAEE and KEEC

The **Kentucky Association for Environmental Education (KAEE)** is a non-profit serving as the umbrella organization for environmental education in Kentucky. KAEE has served as Kentucky's leader in environmental education for 40 years, promoting and influencing environmental education on national and statewide levels each day.

The **Kentucky Environmental Education Council (KEEC)** is a state government agency responsible for administering the Kentucky Green & Healthy Schools program, offering a biannual Professional Environmental Educator Certification program, updating the EE Master Plan for Kentucky every 5 years, and serving as an EE resource for all Kentuckians.

5. How can **KAEE** and **KEEC** better support and address your needs as an organization that provides environmental education opportunities in Kentucky?

6. Are you currently an organizational member of the Kentucky Association for Environmental Education (KAEE)?

- Yes
- No

Why or why not?

7. Which of the following KAEE membership benefits are important to you? Check all that apply:

- Logo and information on website with link <http://www.kaee.org/organizational-members.html>
- Member benefits for up to 3 individuals from the organization
- "Proud to be a KAEE Member" badge for your website
- Discounts to KAEE events
- NAAEE Guidelines for Excellence Trainings on improving your EE programs, organization, materials, professional development, etc.
- Opportunity to list upcoming events on KAEE website under "Member Events" section
- Access to an EE membership database
- Organizational membership listing in KAEE Annual Report
- Other (please specify)

4. AmeriCorps

8. Would your organization be interested in hosting an AmeriCorps member or members for a period of 9-12 months, starting in September 2018 or later, to work on environmental education service projects?

Yes

No

5. AmeriCorps Interest

9. What type of environmental education service projects could you envision for potential AmeriCorps members in your organization?

10. Has your organization previously hosted an AmeriCorps member?

- Yes
- No

If you answered "Yes," please describe the number and type of AmeriCorps members you have hosted.

11. Host organizations would be required to provide supervision, office space, and record-keeping for AmeriCorps members. Would your organization need assistance with any of these?

12. KEEC plans to structure the program so that all AmeriCorps members could participate in the Professional Environmental Educator Certification course, a series of four three-day workshops on environmental education best practices. What additional professional development could you provide to AmeriCorps members?

13. AmeriCorps members could benefit from lodging, meals, and transportation to supplement their living allowance? Which of these, if any, could your organization provide?

14. AmeriCorps members receive a modest living allowance, student loan forbearance, health coverage, child care, and an education award. These expenses are paid by federal grants with a matching requirement. Would your organization be able to contribute \$5000-\$6000 per AmeriCorps member toward these expenses, either from your own budget or through donations?

- Yes
- No

15. How many staff members does your organization have, and how many AmeriCorps members would you be interested in hosting? Note that AmeriCorps members may not replace paid staff performing the same or similar duties.

Number of current full-time staff

Number of current part-time staff

Number of potential full-time AmeriCorps members

Number of potential part-time AmeriCorps members

6. Contact

16. Please provide a contact person for your organization:

Contact name

Email address