ANNUAL SUSTAINABILITY REPORT

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Vision
Fayette County Public Schools will be a global leader in the three pillars of sustainability: environmental literacy, energy efficiency and student wellness.

Mission
To empower students to create change through enduring improved sustainability by equipping school and community stakeholders with the tools and knowledge to protect our natural, human and fiscal resources.

Our Approach
- Embrace student-driven model
- Created mindful engagement of diverse stakeholders and ideas
- Utilize data-driven monitoring to inform decisions
- Provide purposeful, continuous, comprehensive support to students and teachers

Core Values
Integrity   Passion   Collaboration   Innovation

The following is a summary of accomplishments and progress made by the Sustainability Team in 2016.
**Staffing**

- Tresine Logsdon, FCPS Energy & Sustainability Curriculum Coordinator
- Logan Poteat, FCPS Energy Engineer

**Professional Development**

Tresine helps guide KY student-driven sustainability curriculum by serving on the

- National Green Schools Alliance District Collaborative Executive Committee
- KY Green Schools Coalition
- KY Environmental Literacy Plan Implementation Task Force
- KY Green & Healthy Schools Advisory Team
- KY Interagency Subcommittee on Environmental Education
- Bluegrass Forever Green Executive Committee
- KY Environmental Education Consortium
- National Green School Executive Committee Officer
- Bluegrass Greensource Board
- KY Education Energy Management Association Education Committee
- Empowered Lexington Steering Committee

And serves as

- KY Environmental Association for Environmental Education Ambassador
- KY Science & Technology Corporation/Advance KY AP Env Science Training Consultant
- College Board AP Environmental Science Leadership Team
- KY Chapter US Green Building Council Green Apple Day of Service Liaison

Logan continues learning best practices and skills to help with energy management for the district at the following:

- Certified Energy Manager
- Kentucky American Water Water-Wise Academy
- Green Schools National Conference co-presenter
- Siemens building automation software training
- Shadowing local design engineers as they work on projects at our schools

Tresine and Logan continue to provide professional development and share best practices around KY and the nation through presentations at the following conferences:

- National Green School Conference
- KY Environmental Education Association
- North American Association for Environmental Education
- KY Science Teachers Association
- KY School Energy Management Program
- KY High Performance Sustainable School Buildings Workshop

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Sustainability Council

Fayette County Public School’s Sustainability Council was established in August 2010 to address all areas of sustainability through diverse stakeholder collaboration, with a special emphasis on protecting and conserving our natural and fiscal, tax-based resources.

As efforts to improve sustainability continued to increase among municipalities, residents and school districts across the nation, three priorities emerged. These three priorities, as defined by the US Dept of Education Green Ribbon School program to equip schools for 21st century excellence, are to

- Reduce environmental impact and costs
- Improve the health and wellness of schools, students and staff
- Provide environmental education, which teaches many disciplines, incorporating STEAM, civic skills, and green career pathways

Combined focus and achievement in all three areas ensures that we are teaching and nurturing our students holistically without addressing environmental impact, student wellness and environmental literacy in isolation. This holistic approach aligns with US DOE’s cross-cutting goals for education, including improving student, staff and faculty performance and increasing efficiency at the federal, state and local levels to result in improved student engagement, academic achievement, graduation rates, and workforce preparedness, and reinforce state and federal efforts to increase energy independence and security.

Encouraging resource efficient schools allows Fayette County Public Schools to dedicate more resources to instruction rather than operational costs. Healthy schools and wellness practices ensure that all students learn in an environment conducive to achieving their full potential, free of the health disparities that can aggravate achievement gaps. Environmental literacy helps all students engage in hands-on learning, hone critical thinking skills, learn many disciplines and develop a solid founding in STEM subjects.

To this end, the Sustainability Council and Coordinated School Health Committee joined forces to improve communication within our school district of best practices and resources and to allow our stakeholders to more systematically create healthier, safer and more sustainable schools. This merger is a means to serve our students holistically and use existing resources to achieve current fiscal, wellness, student achievement and sustainability goals to include, but not limited to,

- Conservation measures to divert critical fiscal resources away from utilities back to the classroom
- Preparation for the green economy
- Conserve critical natural resources

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• Foster health, wellness and achievement
• Nurture global citizens
• Increasing STEM skills, knowledge and engagement

To accomplish this integrated approach towards improved student wellness, sustainability, environmental literacy and fiscal stewardship, the Sustainability and Wellness Council (SAWC) collaborates to consider capitalizing on our individual strengths by facilitating partnerships between existing student E=USE² and school-based Wellness Teams, aligning quarterly meetings and considering mutually constructive short-term objectives and long-term goals.

**Sustainability Scorecard**

In spring 2017, the merged Sustainability + School Health Council will launch the **Sustainability Scorecard** to benchmark our schools on the thrill pillars of sustainability: building efficiency, student wellness and environmental literacy. Based on a point scale, the Sustainability Scorecard will provide schools an opportunity to learn best practices in sustainability from each other and national norms and earn Bronze Bloom, Silver Leaf or Gold Tree recognition. Gold Tree schools will be recognized at the September 2017 Board meeting.

Each school’s Sustainability Scorecard will be featured on their Green Building Dashboard.

See Appendix for full Sustainability Scorecard.
**National Green School Award**

Fayette Co Public Schools accepted the **Best in Schools- School District** award at the March 2016 Green Schools National Conference in Pittsburgh, PA. Chosen for diverse, long-term community partnerships, a proven commitment to student-driven sustainability improvement, purposeful focus on the three tiers of sustainability and measured improvement in energy efficiency, Fayette Co Public Schools was recognized on this national stage for embracing the three-pillar model of sustainability to holistically address environmental literacy, building performance and student wellness, and leverage our students’ passion and leadership in all three areas.

**FCPS It’s About Sustainability** continues to lead the nation in empowering students lead the way towards healthier, greener school campuses in Lexington and serves as a model for districts across the nation.

**Energy Savings & Financial Stewardship**

2016 gave **FCPS Sustainability** many reasons to celebrate:

- Russell Cave Elementary School was FCPS’s fifth & consecutive **Green Ribbon National School** and we hope to have our sixth in 2017 (Morton MS).

- We achieved a reduction in the **Energy Usage Intensity (EUI – Energy use per square foot of building area)** for the district leading to increased cost avoidance.

- Grant funding provided by **Kentucky Utilities** and facilitated through the **Kentucky School Board Association** provided funding for energy efficiency projects that will include replacing metal-halide lighting in many of our gymnasiums with newer, more efficient LED lighting.

The first thing to mention when discussing energy consumption is how the weather behaved, as the outside temperatures affect energy consumption more than just about any other factor. The hotter it is during warm months, the longer the air conditioning must run, and the colder it is during cool months, the more the heat will stay on. 2016 was an unusual year for weather in Lexington.
To determine a degree day a baseline temperature must be selected. For our calculations we used 65°F Fahrenheit. If the temperature were 66°F for one full day, we would have one “cooling degree day” because it is warmer than the baseline temperature; if the temperature were 64°F for one full day, we would have one “heating degree day” because it is cooler than the baseline temperature.

The winter of 2016 was one of the warmest Lexington, KY has ever seen. This was a significant contributor in our ever-improving energy efficiency, but it is not the sole reason we have seen such vast improvements. The tireless work of our custodians, maintenance staff, teachers, administrators, and students is always pushing us forward.

Electricity bills provide energy usage in kWh (kilowatt-hours) and natural gas bills provide energy usage in MCF (thousands of cubic feet). Since these are different units of measurement, they must be converted into a common unit to accurately analyze data. To compare usage equally, they are converted to thousands of British Thermal Units (kBtu).

*The longer the blue bar is, the colder winter was. Lexington saw one of its warmest winters ever in 2016.

*Even with more than 1 million more square feet than a decade ago, we have been able to reduce total energy consumption!
The metric that buildings are most often judged on their energy consumption performance is called the EUI or Energy Utilization Index. This metric is used to measure how much energy is used per square foot of conditioned building area and is a good way to compare dissimilar buildings to one another, or compare one district as a whole to another district. It is hard to compare the energy usage of a high school to an elementary school if you are using raw usage data, but when you compare the energy use per square foot, it becomes much easier and much clearer to understand how efficient respective buildings are. From 2015 to 2016 FCPS was able to reduce their EUI by 3%, which is a significant decrease.

On the graph above it is evident that even though our square footage has been steadily increasing over the years, the total energy consumption has steadily moved downwards. A lot of factors influence this downward trend, but a lot of it can be attributed to both building occupants being more conscious of their decisions regarding energy usage, as well as new construction and renovations using much more energy efficient materials.

![Graph showing FCPS District EUI (kBtu/Sq.Ft.)](image)

*EUI is measured in kBtu/sq.ft. (kilo-British Thermal Units per square foot). The graph above shows district-wide energy consumption divided by the district-wide building square footage.*

After discussing energy usage, though, it is imperative to talk about energy costs. There is both good & bad news for FCPS regarding Energy costs. We have been able to stabilize and slightly decrease our overall energy usage for the district, even though we are constantly adding more square footage and the student population is ever growing. The bad news is a recent hike in utility rates increased our utility costs to the highest they have ever been at just over $9.1 million. Costs for energy are rising quicker than they have in a long time, and there is another rate increase for electricity expected to take effect in the summer of 2017, increasing utility cost by an estimated 4-5%. With two new elementary schools having just opened and a new high school opening in 2017 everyone will have to be more cognizant of their personal energy use & how it impacts the district’s energy consumption.
if we want to mitigate these costs. One person not turning the lights off when they leave a room, or one person setting their temperature a couple degrees warmer in the winter might not seem like it makes a huge difference, but if all employees in the district actually participated in being conscious of their energy-related decisions, our district could save hundreds of thousands of dollars. We are ecstatic that we are seeing improvements in our energy consumption, but we are still working hard to reduce the impact seen in cost for the district.

![Energy Costs Graph]

*Utility rates have increased by over 50% in the last decade. Had our utility rates never changed since 2007 we would have spent over $30,000,000 less on utilities in that time period.*

What are we doing to reduce our utility bills other than just trying to conserve energy?

- **FCPS Sustainability** is constantly monitoring utility rate structures to make sure we are on the best possible rate we can be. These audits have been able to save the district over $250,000 annually.

- Our KU representative is constantly checking to see if we have any more buildings and has been able to get a few more buildings on more favorable rates providing a cost avoidance of over $20,000 annually.

- **FCPS Sustainability** is hosting listening sessions with the lead custodian or campus foreman, sustainability coordinator, and administrator in charge of grounds at each school. We have been and will continue to meet with each school to discuss issues of energy consumption and sustainability.

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Per Student Data

Other interesting data points of interest are the energy used per student in the district, as well as the cost of energy per student in the district. Of note in the next two graphs is the fact that even though our energy use per student has been trending downward for a long time, the energy cost seems to either be increasing or plateauing over the last few years. Again much of this can be attributed to rising utility costs.

FCPS is on a favorable course and we believe this trend will only continue as all stakeholders become increasingly engaged in our district energy efficiency and ecological footprints. Since the energy

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management program began in 2010, FCPS has been able to avoid the rapid increase in utility costs it had been experiencing for many years prior. Even though we will still see increases in costs due to rising utility prices, FCPS has seen a cost avoidance of over $5.1 million just from energy reductions alone when compared to 2010. That amount doesn’t even include the cost avoidance from rate structure studies, natural gas contracts, rebate programs, and similar initiatives implemented for the district! Though localized weather patterns will continue to be an unpredictable factor in overall district energy costs, new technologies and increased awareness among our schools and community partners will allow FCPS to continue our trajectory towards improved monitoring, communication and management of our energy fiscal and environmental impact.

**Energy Efficiency Initiatives**

**Demand Conservation Savings**

During the summer of 2016, FCPS continued to participate in a demand conservation program with LG&E/KU to earn rebates by reducing electricity consumption during peak load times for KU throughout the summer. Our five high schools as well as Edythe J. Hayes and Bryan Station Middle Schools participated in the program and agreed to reduce their electricity consumption on potentially 10 separate occasions between the months of June and September, from 2:00 to 6:00 PM.

KU determined an amount of electricity that each building should try to shed using a baseline that was determined in May and agreed to compensate $25 for each kilowatt we were able to reduce during these events. FCPS was able to shed its total electricity load by over 1 Megawatt (1000 kilowatts) during these events, resulting in over **$25,000 returned to FCPS**, split evenly between our schools and FCPS general fund. The summer of 2015 temperatures and humidity levels quite similar to that of the previous summer, & we were asked to reduce our usage on 5 different occasions this past summer. Each school that participated in the demand response events will receive **50% of its earnings while the remainder will be returned to the general fund**.

**Live Energy Meters and Advantage Navigator software**

As part of a grant received in January 2013, live energy meters were installed on all FCPS buildings in June 2013, a major step towards allowing our team to monitor and manage energy in our buildings.

Why does this matter? It allows us to view peak usage times and develop action plans to reduce these peaks to minimize our demand charges. We can monitor building shutdown over
weekends/breaks and equipment usage to identify energy waste. In short, as costly energy efficiency issues arise, our team is equipped to diagnose and respond.

The ability to analyze data in graphical format is one of the greatest tools Advantage Navigator (AN) offers. This software allows us to see both the energy usage at any school over a period of time and the power being drawn at any moment. This allows us to monitor electricity usage and compare energy curve profiles to see how and when electricity is used. Our team is working with middle and high school E=USE² Teams to equip our teachers and students to monitor their own consumption, develop comparisons and goals and empower them to make small changes in their building that can add up to big savings.

**Green Building Dashboard**

![Green Building Dashboard Image](image)

URL: [http://buildingdashboard.net/fayettecountyps/#/FayetteCountyPS/arlingtonelementaryschool](http://buildingdashboard.net/fayettecountyps/#/FayetteCountyPS/arlingtonelementaryschool)

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In spring 2015, our team began development on the nation’s first K12 Green Building Dashboard for a public school district of our size in partnership with Siemens Energy and Lucid Solutions.

This innovative educational tool pulls together each school into a custom public portal to display energy and sustainability information to include live data, historical consumption, energy simulations, social media connections, cross-town competitions and blogging to allow students to feature and promote sustainability accomplishments, recognitions and goals unique to their school. Starting in August 2016, each school’s E=USE$^2$ team incorporates this robust and diverse data acquisition into STEAM curriculum to address interdisciplinary content standards including Common Core, NGSS and Core Content.

Sustainability Coordinators and E=USE$^2$ student teams are being trained on the Green Building Dashboard during the 16-17 school year, and data will guide and instruct each team’s student-driven sustainability improvement projects and initiatives.

Features of the Green Building Dashboard

- Live energy consumption (kWh) data to include
  - Daily, weekly, monthly, annual graph display; total & per person
  - CO$_2$ footprint
  - Cost analysis
- District-wide Energy Challenges
- FCPS Green Facilities Virtual Tour
- Ask An Engineer
- Sustainability In the Classroom
- Sustainability Scorecard posting & ranking
- Commit To Conserve
- Curriculum Corner
**Energy & Sustainability Listening Sessions**

In an effort to provide the most efficient, meaningful and effective support to school sustainability & energy saving efforts, Logan and I sit down with schools’ most engaged stakeholders in sustainability: lead custodian, grounds administrator and sustainability coordinator(s).

During our 30-minute connect, we

- provide customized energy, cost-savings, recycling and student-led sustainability data
- discuss achievements and areas of improvement
  - computer shutdown script
  - recycling status
  - student energy monitoring
  - plugload (minifridge) inventory
  - environmental literacy achievement
  - Go Green + Earn Green review
- suggest ways our team can better support each school’s priorities and FCPS’s goals
Energy & Sustainability Listening Session

Sustainability Coordinator(s): Melissa Graham
Kimberly Bell
Lead Custodian: Phillip Holland
Building & Grounds Administrator: Jo Gibson
Go Green = Earn Green revenue: $1,886.30

Why Are We Here?

- Snapshot of your school’s energy consumption.

![Leestown MS EUI vs. FCPS Average EUI](chart)

- In 2015, FCPS spent just over $9 million on electricity & natural gas.
  - 2016 rate hike increased annual total utility costs by just over $750,000
  - 5% reduction → $450,000 savings; 20% in 5 years is doable

- FCPS Energy Usage Intensity (EUI), or how much energy we use per square foot of building area, was 56.1 Btu/sq.ft.
  - Your school’s EUI: 55.1 Btu/sq.ft.
  - FCPS: 17% worse than the average for Kentucky school districts
  - If FCPS had an EUI closer to the state average in 2015, we could have saved nearly $1.4 million.

- Many things we can do to improve how we use energy are simple actions that require minimal effort could divert hundreds of thousands of dollars back into our classrooms.

How can we work together?

- **Lighting**
  - Lighting accounts for around 20% of our total energy consumption, or about $1.8 million annually.
  - Lights off when finished cleaning classrooms in the evening
  - If outside lights are on in the daytime and you suspect they are off their schedule, e-mail logan.rothe@fayette.kyschools.us and let him know which lights are on and during what time.
Energy & Sustainability Newsletter
It’s About Sustainability

In addition to quarterly updates to our Sustainability Coordinators on energy & sustainability initiatives + tips, this year our team launched a parent newsletter for the over 2,000 students serving on our E=USE² student teams. The E=USE² newsletter is designed to make our parents and community aware of their students’ achievements in all areas of sustainability and ways It’s About Sustainability is monitoring and addresses student-driven sustainability across our district.
DID YOU KNOW?

Thanks to the hard work of our students, staff and E=USE² Teams, FCPS has diverted over $6 million from utility providers back into our classrooms.

Your student serves on your school’s E=USE² Team (Education leads to Understanding Sustainability, Energy and the Environment) to improve sustainability through STEM-infused monthly energy patrols, data collection analysis, awareness activities and collaborative project-based learning. To hear about what your student is learning, ask questions such as

What is sustainability?
What is renewable vs nonrenewable?
How are your school and city improving sustainability?

Energy Efficiency & Sustainability Tips for Home

- If you are going to leave a room for more than 5 minutes, turn the lights off.
- If you have an adjustable thermostat, turn the temperature up 1-2 degrees during warm months and down 1-2 degrees during cold months.
- Keep your doors and windows shut if your home is being heated or cooled.
- Plug appliances and electronics into a power strip that has an on-off switch to eliminate phantom loads. Unplug cell phones and iPads once they are fully charged—they still continue to draw phantom power if they are plugged in!
- Keep refrigerator doors closed.
- Choose Energy Star equipment when replacing appliances.

GO GREEN + EARN GREEN

Your student helps earn 10% of your school’s energy savings towards school supplies through easy student-driven and staff habits. Our schools earned $40,000 during the 15-16 school year through Go Green + Earn Green. See your school’s live energy data by visiting http://buildingdashboard.net/fayettecountyps/#/FayetteCountyPS

It’s about Sustainability.

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FCPS Energy Usage Intensity (energy use/sq ft of building area) has been steadily decreasing as schools implement student-driven energy saving habits. However, utility rates continue to rise with little end in sight. We experienced a nearly $800,000 rise in utility costs in 2016 due to recent utility rate changes, even though we were more efficient!

Note: 2012 brought one of the warmest winters on record

Despite a 40% increase in electricity rates, 16% increase in enrollment & sq. footage of 16% in 10 yrs, our students staff have been successful at helping to mitigate increasing energy costs through student-driven investigations and projects and through building renovations and facility upgrades.

Connect with Us!

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Logan Poteat
Energy Engineer
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Go Green + Earn Green

In 2012, FCPS launched Go Green + Earn Green as a means to recognize and reward school communities for their reduced energy consumption, compared to themselves one year ago. Go Green + Earn Green allows schools who reduce their energy consumption 5% or more to earn up to 10% of the savings. Additionally, the top ten most efficient schools (five elementary, three middle, one high and one special school) each month earn an additional $100. Elementary schools will be able to earn a maximum of $1500 total per year, middle and special schools $2,000 and high schools $2,500. These funds may be used towards student-drive sustainability initiatives or towards a school-wide need as identified by the administration and faculty. Below are the charts identifying the schools and reward amounts for March-May 2015. In January 2016 we will post Go Green + Earn Green results from August-October 2015.

There is a 6-week delay in usage data from our local electric utility who provides paper bills only.

We believe Go Green + Earn Green provides a critical component to empowering and incentivizing our school communities to collaboratively improve sustainability at their schools. Administrators, teachers and students have offered significant positive feedback from this incentive program.

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**Sustainability, Energy, and Environmental Education**

**E=USE²**

Education leads to Understanding Sustainability, Energy and the Environment continues to engage, celebrate and empower our students to analyze their own collected data to design and implement awareness and sustainability improvement projects in partnership with numerous and diverse community partners.

E=USE² works in conjunction with the Kentucky NEED Project, KGHS (KY Green & Healthy Schools) and LFUCG’s LiveGreen Lexington program to provide students, administrators, faculty, staff and community partners with guidance to help make informed decisions about sustainable practices and environmental efficiency for the well-being and benefit of the Lexington-Fayette County area and social, environmental and economic health of our community.

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 STEM skills. E=USE² is based on five basic principles: assessment, raising awareness, educating, monitoring, projects and partnerships (A.R.E.M.P²).

For the 16-17 school year, E=USE² has been revised to purposefully address the following guidelines & standards in the 4th, 7th and 11th grade strands:

- Next Generation Science Standards
- STEAM with emphasis on inquiry-based learning and engineering practices
- KY Core Academic Standards
- National Environmental Education Association Excellence in Education Guidelines

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Standards-based taught during E=USE² lessons include

*NGSS DCI alignment in green*

- Energy Transformations/Energy flow through the Earth
- Renewable vs non-renewable energy sources
- Application of scientific principles to monitor and minimize human impact on the environment
- Fossil fuel formation, extraction and application
- Photosynthesis/cellular respiration
- Sustainability defined (environmental, physical, economic factors)
- Local and global solutions to defined problems associated with climate change
- Energy conservation/energy solutions
- Global climate/weather patterns and energy transfer
- Climate change resiliency
- Anthropogenic environmental impacts
- Population impacts from physical and biological changes to an ecosystem
- Energy investigations data and graph analysis
- Human Wellness
- Fission vs fusion, nuclear decay

For the 2016-2017 school year, participation has increased to **53 schools**.

**Step 1: Form an E=USE² Team**

E=USE² Teams are spearheaded by the school’s **Sustainability Coordinator**. 92% of our Sustainability Coordinators also serve as elementary STEM Lab teachers, Middle School science teachers or High School science teachers and are often our schools’ Green Team club sponsors.

September 2016 our team hosted a **Sustainability Coordinator Training** to include

- Data Dive into energy consumption & fiscal historical trends
- Strategies to tackle low-hanging efficiency fruit
- NGSS-alignment + enrichment
- Community Partner Speed Dating with over 15 community collaborators
- Green Building Dashboard coaching
- Sustainability Scorecard training

**Step 2: Investigate Your Environment**

Conduct four energy consumption investigations

www.Sustainability.FCPS.net
- Plug load study
- Light level survey
- Secret energy audit
- KY Green & Healthy Schools Energy Inventory
- Interpret and analyze data related to local, national and global sustainability.

**Kentucky's 2012 Electricity Generation**

**Step 3: Raise Awareness**
- Green Building Dashboard training
- City-wide Earth Day poster initiative
- Student-produced awareness video
- Light switch face plate/exterior door/appliance stickers
- Monthly energy audit patrol Thank You and Ticket Post Its©
- Student Power Patrol badges.

**Step 4: STEAM and Our Environment**
- Energy Engineering career pathway discussion
- Energy transfer demonstration with Stirling Engine

www.Sustainability.FCPS.net
Training on Green Building Dashboard and Advantage Navigator software to examine school-specific energy consumption data and compare to baseline and similar age, size FCPS schools

Graph student-collected data (from Step 2: Investigations) to interpret and analyze results

Design and implement a sustainability improvement project with Go Green + Earn Green funds

**Step 5: Sustainability Scorecard**

In partnership with local nonprofit Bluegrass Greensource, each E=USE\(^2\) Student Team submits their Sustainability Scorecard.

Launched during the 16-17 school year, see page 5 for more information and Appendix for full Sustainability Scorecard

**Step 6: Recognition and Reward**

At Bluegrass Youth Sustainability Council’s annual Earth Day Celebration, schools are recognized and rewarded for their achievements in environmental literacy and improvements in school-wide sustainability by FCPS (E=USE\(^2\)), KY Green & Healthy Schools, KY National Energy Education Development Project, KY American Water and Bluegrass Greensource.
Design 101 and Renovation 101 Teams

Through our Renovation 101 Team program, architects and engineers from the renovation projects are invited to meet monthly with E=USE² students to serve as liaison between their school renovation and school community.

The instructional objective of these teams is to incorporate “green” infrastructures within instructional strategies, acquaint students with architect and engineering career pathways, and train E=USE² students as liaisons to the school community on design progress and the benefits and functionality of sustainable, high performance components of the renovation. E=USE² students met with architect/s and engineers monthly to interpret site plans and construction documents, take hard hat tours, practice architectural techniques, engage in hands-on learning with models and discuss many components of the school renovation. Students use this information to develop a PowerPoint presentation to be delivered at faculty meetings and for parents at Open House.
Frederick Douglass High School Student Focus Group

A New High School Student Focus Group is led by Henry Clay junior Reagan Smith and includes students from EJ Hayes MS, Crawford MS, Carter G Woodson Academy, Bryan Station High School and Henry Clay High School. The New High School Student Focus Group meets monthly with TateHillJacobs Architect and Principal Lester Diaz to provide student feedback on programmatic design and construction updates, participate in construction site tours and serve as liaisons between their home school and FDHS design and instructional leadership teams.

Students use Padlet application to solicit discussion topics and questions from wide and diverse representation of students from all stakeholder FDHS feeder schools. Items discussed include:

- Academy Career Pathways
- Features of a 21st century classroom
- Sustainable building design
- Technology integration
- Green Cafeteria
- Co- and extracurricular offerings
- Mascot & school colors
Bluegrass Youth Sustainability Council

Since May 2013 the Bluegrass Youth Sustainability Council has received four local, state and national recognitions:

- Live Green Lexington Education Accolade
- Lexington Environmental Commission Award
- National Energy Education Development Project Rookie of the Year Award
- US Green Building Council Best of Green Schools, Student Leadership

The Bluegrass Youth Sustainability Council continues its 6th year, this year under the leadership of students from six public and three private Lexington high schools:

- Bryan Station HS
- Henry Clay HS
- Lafayette HS
- Lexington Catholic HS
- Montessori High School of KY
- PL Dunbar HS
- Sayre Upper School
- STEAM Academy
- Tates Creek HS

For the 16-17 school year, the Council has created eight Project Committees made up of a cross-section of its members to address a variety of their goals in cooperation with community partners.

Energy Audit Committee

This committee partners with FCPS IAKSS, Lexington Commerce Center, and LFUCG Government Center to conduct an energy audit by collecting occupant behavior data. This committee plans to graph, analyze and present their findings to each community partner.
Anti-Litter
This committee partners with Bluegrass Greensource to design and implement anti-litter campaigns on all school campuses and solicit funds to continue the purchase and installation of dual stream recycling receptacles to serve outdoor athletic stadiums.

Legislative
This committee is partnering with LFUCG Council Members and other community leaders to analyze the hurdles associated with municipal composting. In cooperation with LFUCG Councilman Jake Gibbs, this BYSC Project Committee hopes to develop a practical Action Plan towards accessible, fair and efficient municipal composting, one giant step closer to a waste-free city.

Green Cafeterias
This committee is partnering with FCPS Child Nutrition’s Michelle Coker and Wendy Yates to explore reusable or sustainable alternatives to Styrofoam plates and cups and plastic cutlery in our school cafeterias. This team has researched and collected data from our local schools around the nation and conducted school-based awareness campaigns to effectively address one of the root causes of Styrofoam use in our cafeterias: arbitrary disposal of reusable trays in landfill-bound waste streams.
Urban Forest
This committee is partnering with the UK Forestry Department to raise awareness about the human health, ecological and economic benefits of an improved urban tree canopy to Lexington and school communities. This committee’s primary goal for the 16-17 school year is to facilitate implementation of an Adopt-A-Tree protocol for each of the five public Lexington high schools and improve the campus tree canopy of five FCPS schools. This committee is partnering with UK’s Urban Forest, local non-profit Trees Lexington!, and Henry Clay Go Green Team to host a community Film Festival.
Vinyl Recycling/Repurposing

This committee is partnering with Lexington Habitat for Humanity’s ReStore and various local retail stores to upcycle unused vinyl LPs into coasters for fundraising and for use in area high schools.

Storm Drain Murals

This committee is partnering with Lexington’s Youth Arts Council to design and install oil paint murals on campus storm drains to raise awareness about non-point pollution of our freshwater waterways. This committee has designed and installed storm drain murals on Bryan Station HS, Tates Creek HS and Henry Clay HS campuses.
IdeaFest Lexington: Creative Disruption Always On

This committee is partnering with Bluegrass Tomorrow and numerous other local community partners and business leaders to facilitate the April 19th 2017 Idea Festival Youth Day: College & Career Ready through Creative Disruption. The committee’s primary responsibilities will be to event-plan and facilitate central KY youth’s participation and presentations on innovation as well as facilitate a College & Career Maker Faire. The speakers forum will create a platform for students to teach and inspire students in a rapid-fire, thought-provoking TED Talk format, while the College & Career Maker Faire will leverage ILP (Individualized Learning Plan) data to engage 7th-11th grade students in hands-on activities around 8 career clusters and post-secondary programs.
**Spring Break Sustainability Summit**

*Transylvania University*

The BYSC is partnering with Transylvania University to launch the inaugural Spring Break Sustainability Summit for Lexington high school students **Tuesday April 4th 2017**. The S² Summit is designed to provide unprecedented access to city civic leaders to examine our city’s most important sustainability challenges and brainstorm solutions with student leaders from Lexington public and private schools.

- Unique opportunity to brainstorm and problem-solve local sustainability issues with students from all Lexington high schools
- Meet with city officials and local non-profits on Lexington-specific challenges and opportunities
- Tour Food Chain’s industrial aquaponics system
- Free; KY Proud lunch provided
School Gardens + The Outdoor Classroom Response Team

There are currently 35 outdoor classrooms in our schools and a great deal of enthusiasm among parents, students and teachers for outdoor classroom space that includes rain gardens, community gardens, vegetable gardens, sensory gardens, herb gardens, etc. FCPS’s School Garden Coalition, made up of teachers, parents and students interested in supporting school gardens and outdoor classrooms at their school, has formed a robust partnership with community associates such as UK Extension, Farm Bureau, Locust Trace AgriScience Farm, University of KY College of Agriculture, Whole Foods, FCPS Grounds, FCPS Child Nutrition, Good Foods Coop and Bluegrass Greensource. This alliance will provide unprecedented support, guidance and resources for teachers and parents to design, install and maintain school community, rain and vegetable gardens.

New in 2016, FCPS Sustainability partnered with FCPS Operations, UK College of Ag, UK College of Education, FoodChain, Seedleaf, Bluegrass Greensource and other community partners to launch an Outdoor Classroom Response Team. This team represents diverse expertise in a variety of Outdoor Classroom areas and will serve as a one-stop-shop resource for schools to access assistance in

- Outdoor Classroom site selection
- Standards-aligned curriculum integration
- Landscape design
- Plant selection
- Summer and fall maintenance
- Resource acquisition (lumber, soil, mulch, plants)
- Harvest utilization
- Planting procedures

www.Sustainability.FCPS.net
**Farm To School**

Fayette County’s Farm To School program experienced extraordinary growth and development during the 15-16 school year. A highly collaborative initiative that includes community partners such as Fayette County Child Nutrition, Fayette County Health Department, UK Extension, Lexington Farmers Market, Farm Bureau, UK College of Ag, Locust Trace AgriScience Farm and Local Food Association, Fayette County Farm To School’s mission is to empower youth to make healthy lifestyle choices by promoting the benefits of consuming locally grown and produced foods.

For the 16-17 school year, Fayette County Farm To School piloted a revised curriculum model for 4th and 5th grade students that includes three 45-minute lessons to teach environmental, economic and human health benefits of local food. Each lesson is accompanied by a local food Taste Test such as local kale chips, blueberries, sweet potatoes and honey.

To date this new model has been implemented in 23 schools.
**No Idling Campaigns**

In partnership with the KY Division for Air Quality and Earth Day Network®, twelve elementary, four middle and one high school have implemented a No Idling Campaign that was strictly voluntary, student-driven and included measurable benchmarks. To implement a No Idling campaign, students and teacher are trained on how to collect pre/concurrent/post campaign data and provided with awareness and communication tools (flyers, newsletter templates, pledge cards, car tags, Thank You notes) to keep parents informed of the health, economic and environmental benefits of No Idling, particularly in afternoon carpool lines. All participating schools experienced a reduction of 40% idling with some achieving a 60% reduction. FCPS has been recognized by KY Division for Air Quality and nominated for the KY Association for Environmental Education special project award.

**Energy Savings Lunches**

FCPS Child Nutrition has partnered with our student energy teams to host a monthly Low Energy Day in every elementary and middle school. During Low Energy Day events, school cafeterias conserve energy by serving nutritious lunches that do not require the use of ovens, steamers, dish machines and exhaust fans. The monthly energy saving lunch has generated a great deal of enthusiasm among our student energy teams.
Miscellaneous Sustainability & Environmental Education Updates

- **KY American Water Excellence in Water Education Program**

  Piloted spring 2015, KY American Water agreed to purchase and install a water bottle refilling station in 5 FCPS schools in exchange for a Public Service Announcement on *Water: From River to Tap*. Schools awarded stations through this program include Julius Marks Elementary, SCAPA Bluegrass, Cardinal Valley Elementary and Wellington Elementary.

  This program is an extension of a successful 2013 partnership between the Bluegrass Youth Sustainability Council and KY American Water that led to the installation of two water bottle refilling stations in five public and three private Lexington high schools. Since this 2013 installation, over 500,000 plastic water bottles have been diverted from the landfill-bound waste stream.

- **Aquaponics in the Classroom**

  In partnership with FoodChain and KY State University, sixteen E=USE$^2$ schools have launched classroom aquaponic systems by raising tilapia and growing vegetables without soil by recycling water in a sustainable food-production model. In the simple setup, tilapia produce large volumes of ammonia-rich waste that nitrogen-fixing bacteria quickly convert to nitrite and nitrate that the plants need. The plants in turn filter the water by removing nitrates which is then returned to the fish tanks. This system--monitored, maintained and eventually harvested by students--is used to demonstrate plant life cycles and structure, nutrient cycling, high-yield gardening, ecological issues, biodiversity, and sustainable farming.

- **Provide comprehensive, year-long curriculum, mentoring and support for all FCPS AP Environmental Science curriculums.** Tresine Logsdon serves as a consultant for Advance Kentucky (National Math and Science Initiative) as an AP Environmental Science model teacher.
• E=USE² Teams applied E=USE² content knowledge to their visit and tour of Locust Trace AgriScience Farm. Students from Garden Springs Elementary, Tates Creek Elementary and Leestown Middle participated in energy and sustainability activities and discussion along with student-led tours of the sustainability components of Locust Trace AgriScience Farm including renewable energy technology, stormwater management, energy conservation measures, sustainable agriculture and Career and Technical Ed curriculum.

Recognition & Awards

National Green Ribbon Award

*FCPS is the only KY school district to earn US Dept of Education Green Ribbon School Award recognition since the program began in 2012.*

- Rosa Parks Elementary, 2012
- Locust Trace AgriScience Center, 2013
- Wellington Elementary, 2014
- Bryan Station High School, 2015
- Russell Cave Elementary, 2016
- Nominee Morton Middle School, 2017 (to be announced Earth Day 2017)

• US Green Building Council Trailblazer Teacher

• 13 total schools have been Energy Star certified in FCPS: Arlington Elementary, Athens-Chilesburg Elementary, Harrison Elementary, James Lane Allen Elementary, Meadowthorpe Elementary, Rosa Parks Elementary, Russell Cave Elementary, Wellington Elementary, William Wells Brown Elementary, Yates Elementary, Bryan Station Middle, Leestown Middle and Jessie Clark Middle Schools.

- Many more schools are very close to Energy Star certification. We hope they are able to achieve this during by the end of the current school year.

www.Sustainability.FCPS.net
Publicity, Awareness & Communications

It’s About Sustainability, Ch 13
Tresine Logsdon and Logan Poteat continue to feature and provide updates on district-wide sustainability initiatives through It’s About Sustainability, a semi-annual program aired on FCPS’s Channel 13.

Faculty Meetings
Tresine Logsdon and Logan Poteat continue to present to school faculties to share customized energy consumption data, best practices in school energy management, FCPS’s comprehensive approach to sustainability and recognize teachers and students for accomplishments and goals in reduced energy consumption and sustainability.

Website
The Sustainability website (www.Sustainability.fcps.net) continues to serve as a resource for all questions about sustainable initiatives in the district. Tresine Logsdon and Logan Poteat maintain the website by continually adding fresh news articles, current energy data, E=USE² resources, Sustainability Council updates, resources for teachers/parents and more. The website is linked to each school’s E=USE² website and is promoted in every email, newsletter, television production, presentation, and conversation Tresine and Logan have. It is important to utilize the internet to the fullest extent in this age and it has already served a great deal of good in promoting the sustainability message.

Partnerships
FCPS Energy & Sustainability Managers partner with the following local, state and national organizations and businesses:

- Bluegrass Community Foundation
- Bluegrass Greensource
- Bluegrass GreenWorks
- Bluegrass Tomorrow
- Columbia Gas
- Cooperative Extension Service
- Food Chain
- Kenton County School District
- Kentucky Utilities
- KY American Water

www.Sustainability.FCPS.net
• KY Association for Environmental Education
• KY Department for Air Quality
• KY Energy & Environment Cabinet divisions
• KY Environmental Education Council
• KY Environmental Quality Commission
• KY National Energy Education Development Project
• KY School Board Association
• KY Science Teacher Association
• Lexington-Fayette Environmental Commission
• Lexington Fayette Urban County Government Division of Environmental Policy
• Siemens
• Seedleaf
• Sustainable Communities Network
• UK Center for Applied Energy Research
• UK College of Education
• UK College of Engineering
• UK Institute for Sustainability and the Environment
# FCPS SUSTAINABILITY SCORECARD

## SCHOOL NAME:

## DATE:

## SUSTAINABILITY SCORECARD

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<thead>
<tr>
<th>#</th>
<th>Focus</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
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<tr>
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<td>Tier 1</td>
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<td>Tier 3</td>
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<tr>
<td>Tier 1</td>
<td>Tier 2</td>
<td>Tier 3</td>
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<td>Points</td>
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### Sustainability Literacy

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<th>Tier 1</th>
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<tbody>
<tr>
<td>S1</td>
<td><strong>Organization</strong></td>
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<tr>
<td></td>
<td>Our school has designated a <strong>Sustainability Coordinator</strong> responsible for facilitating sustainability initiatives.</td>
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<td>Our school has designated a <strong>Sustainability &amp; Wellness Coordinator</strong> (1 role or 2 roles) that works closely with my school's student E=USE2 or Green Team to implement sustainability initiatives.</td>
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| S2 | **Engagement** | | | |
| | Our school’s Sustainability Team includes **one teacher or staff member** (Sustainability Coordinator). | | | |
| | Our school’s Sustainability Team includes **one staff member** (Sustainability Coordinator) + **a team of students**. | | | |
| | Our school’s Sustainability Team includes **one staff member** (Sustainability Coordinator) + **a team of students + parents or community partners**. | | | |
| | | | | 0 | 25 |

www.Sustainability.FCPS.net
| S3 | Engagement | Our school's Sustainability Team meets *once a semester*. | Our school's Sustainability Team meets **four times a year**. | Our school's Sustainability Team meets **about once a month**. | 0 | 25 |
|---|---|---|---|---|---|
| S4 | E=USE2 | Our school has **completed Steps 1-2** of E=USE2 (Form a Student Team & Investigations) | Our school has **completed Steps 1-4** of E=USE2 (Tier 1 + Dashboard Training; STEM & Our Environment) | Our school has **completed Steps 1-6** of E=USE2 (Tier 2 + Scorecard Completion) | 0 | 25 |
| S5 | Custodial Engagement | Our custodian is not an active participant in our school sustainability initiatives (recycling, energy efficiency), but supports student involvement. | Our custodial staff is engaged in either **recycling** or **energy efficiency** (lights) initiatives. | Our custodial staff is engaged in and supportive of our sustainability initiatives, including recycling and energy efficiency (lights). | 0 | 25 |
| S6 | Aquaponics | Our school has **worked with local partners** (i.e. Food Chain, KSU, etc) to learn about the benefits of aquaponics. | Our school has **a classroom aquaponics system**. | 0 | 25 |

Aquaponics is a program supported by local nonprofit Food Chain. For more information, email Reena Martin at reenamartin09@gmail.com.
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<tr>
<th></th>
<th>Communication</th>
<th>Faculty &amp; Staff</th>
<th>Sustainability &amp; Wellness Training</th>
<th>Living Lab Teams</th>
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<tbody>
<tr>
<td>S7</td>
<td>Communication about student-driven sustainability &amp; wellness initiatives is <strong>limited to Sustainability Coordinator and student Green Team.</strong></td>
<td>Communication about student-driven sustainability &amp; wellness initiatives is <strong>periodically shared with staff and student body.</strong></td>
<td>Communication about student-driven sustainability &amp; wellness initiatives is <strong>periodically shared with the entire school community</strong> (students + staff + parents) through newsletters, social media, announcements, etc.</td>
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<tr>
<td>S8</td>
<td>Our school <strong>provides</strong> sustainability tips and suggestions in staff emails or newsletters.</td>
<td>Our school has <strong>met Tier 1 criteria</strong> + invited Bluegrass Greensource <strong>OR</strong> FCPS Sustainability &amp; Wellness to briefly present at a faculty meeting.</td>
<td>Our school meets Tier 1 criteria + invited Bluegrass Greensource <strong>AND</strong> FCPS Sustainability &amp; Wellness to briefly present at a faculty meeting.</td>
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<tr>
<td>S9</td>
<td>Our school’s Sustainability Coordinator was <strong>aware of the fall Sustainability &amp; Wellness Coordinator Training</strong> but was unable to attend.</td>
<td>Our school was <strong>represented by one faculty/staff member</strong> at the fall Sustainability &amp; Wellness Training.</td>
<td>Our school meets Tier 2 criteria + representative shared training data &amp; information with faculty and staff.</td>
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<td>S10</td>
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<td>Our school facilitates a student Design 101, Renovation 101 or Living Lab Team (if under design, renovation or new build).</td>
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**www.Sustainability.FCPS.net**

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<td>S11</td>
<td>Earth Day</td>
<td>Our school raises awareness about Earth Day/Earth Week each April (i.e. announcements, newsletter blurb, classroom feature etc).</td>
<td>Our school raises awareness + participates in district wide Earth Day Poster initiative Earth Day/Earth Week each April.</td>
<td>Our school meets Tier 2 criteria + celebrates Earth Day/Earth Week through additional awareness or projects (Earth Hour, litter cleanup, community outreach, e-recycling etc).</td>
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<td>S12</td>
<td>Sustainability &amp; Wellness</td>
<td>Our school incorporates sustainability or wellness into our annual Fall Carnival, Back to School Night, Title 1 Event or other campus-wide event.</td>
<td>Our school incorporates sustainability or wellness into a school-wide event during the school day (i.e. Arts &amp; Science Day, Engineering Day, Science Day etc)</td>
<td>Our school hosts a Sustainability Carnival or Fair and invites parents or community partners.</td>
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<td>25</td>
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<tr>
<td>S13</td>
<td>Green Building Dashboard</td>
<td>Our E=USE2 Team received Green Building Dashboard training during Step 3 of E=USE2</td>
<td>Our school incorporates the STEM and sustainability content on the FCPS Green Building Dashboard in classroom instruction at least once per week in at least two classrooms.</td>
<td>Our school incorporates the STEM and sustainability content on the FCPS Green Building Dashboard in classroom instruction through weekly tracking and alerting FCPS of energy usage anomalies (i.e. high energy spikes, sustained high energy peaks etc)</td>
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Green Building Dashboard website: [http://buildingdashboard.net/fayettecountyps/#/FayetteCountyPS](http://buildingdashboard.net/fayettecountyps/#/FayetteCountyPS)
<p>| S14 | Bluegrass Youth Sustainability Council | Our school <strong>has raised awareness</strong> among students about the Bluegrass Youth Sustainability Council and <strong>recruited</strong> members to serve. | Our high school is represented on the Bluegrass Youth Sustainability Council by <strong>at least two students.</strong> | Our high school is represented on the Bluegrass Youth Sustainability Council by <strong>three or more students.</strong> | 0 | 25 | Only applicable for FCPS high schools. Click NA if you are an elementary or middle school. |
| S15 | Farm to School | Our school has <strong>hosted at least one Farm to School lesson</strong> on the environmental, human health or economic benefits of local food. | Our school has <strong>hosted all three Farm to School lessons</strong> on the environmental, human health and economic benefits of local food. | Our school <strong>incorporates</strong> Farm to School principles (benefits of local food) <strong>into our curriculum.</strong> | 0 | 25 | To submit an <strong>Interest Inquiry</strong> for a Farm to School lesson, visit <a href="http://www.sustainability.fcps.net/teacher's-corner">http://www.sustainability.fcps.net/teacher's-corner</a> |
| S16 | KY National Energy Education Development Project | Our school utilizes National Energy Education Development Project <strong>kits for classroom instruction.</strong> | Our school <strong>participated in</strong> the KY National Energy Education Development project <strong>Youth Awards for Achievement.</strong> | Our school has been <strong>recognized as an award winner</strong> in the National Energy Education Development project Youth Awards for Energy Achievement program in the last 10 years. | 0 | 25 | To participate in the KY National Energy Education Development Project Youth Awards program, visit <a href="http://www.need.org/kentucky">http://www.need.org/kentucky</a> or email Karen Reagor at <a href="mailto:kreagor@need.org">kreagor@need.org</a>. |
| S17 | Key Green &amp; Healthy Schools | Our school <strong>participates in</strong> the KGHS program and has completed at least one category. | Our school is a <strong>KGHS School in Progress</strong> and has <strong>completed at least 3 categories.</strong> | Our school is a KY Green &amp; Healthy School (completed all 9 categories). | 0 | 25 | To learn more about becoming a KY Green &amp; Healthy School, visit <a href="http://www.greenschools.ky.gov">www.greenschools.ky.gov</a> or email Wesley Bullock at <a href="mailto:wesley.bullock@ky.gov">wesley.bullock@ky.gov</a>. |</p>
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<tr>
<td>S18</td>
<td>Outdoor Classroom</td>
<td>Our school has at least one component of an outdoor classroom (garden, arboretum, outdoor class seating, natural area).</td>
<td>Our school has an outdoor classroom that is incorporated into the curriculum.</td>
<td>Our school's outdoor classroom is incorporated into instruction at most grade levels or disciplines.</td>
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<td>S19</td>
<td>National Sustainability Challenge</td>
<td>Our school participates in a national sustainability or Wellness competition (Lexus Eco Challenge, Green Cup Challenge, Game On Wellness Challenge, Green Thumb Challenge, etc.)</td>
<td>Our school earned national recognition for participation in a sustainability or Wellness competition.</td>
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<tr>
<td>S20</td>
<td>Local Partnerships</td>
<td>Our school informally partners with the local community, including post-secondary institutions, NGOs, nonprofit organizations or other entities, to work together to advance sustainability and wellness within the community.</td>
<td>Our school was recognized as a LiveGreenLexington Water Partner, Energy Partner or Recycling Partner last spring.</td>
<td>Our school was recognized as a LiveGreenLexington Water Partner, Energy Partner and Recycling Partner last spring.</td>
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Need help with supplies, design, planting or maintenance? Submit an Outdoor Classroom Needs Assessment by visiting https://webapps.fcps.net/Proposal.

To confirm your school’s LiveGreen Lexington level of achievement, check with your Bluegrass Greensource Environmental Educator.

www.Sustainability.FCPS.net
| S21 | Adopt-A-Tree | Our school **partnered with University of KY Urban Forest Initiative** to learn about the value of trees through the Adopt-A-Tree program. | Our school has measured the ecological, economic, social and aesthetic value of at least one tree on our campus through the Adopt-A-Tree program. | Our school has worked with FCPS Grounds to increase our campus tree canopy by correctly planting an approved tree and providing adequate tree care + water and mulch maintenance. | □ | □ | □ | □ | 0 | 25 | To **Adopt-A-Tree** with UK’s Urban Forest Initiative, email nwilliamson@uky.edu. |

| **Sustainability Literacy Subtotal:** | 0 | 525 |
## SUSTAINABILITY SCORECARD

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<tr>
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<th>Focus</th>
<th>Tier 1</th>
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<th>Tier 3</th>
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<th>Tier 2</th>
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<th>Points Available</th>
<th>Notes</th>
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<tbody>
<tr>
<td>W1</td>
<td>Water First</td>
<td>Our school <strong>incorporates the benefits of drinking water</strong> into the curriculum (Health, PE, Family Consumer Science etc.).</td>
<td>Our school <strong>meets Tier 1 criteria</strong> + allows unrestricted access to water by either allowing students to keep water bottles at their desk or allowing open water breaks.</td>
<td>Our school <strong>meets Tier 2 criteria</strong> + replaces soft drinks with water at schoolwide celebrations.</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>N/A</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W2</td>
<td>Schoolwide Snack or Celebration Policy</td>
<td>Our school has adopted an SBDM or PTAapproved <strong>healthy snack or healthy celebration policy.</strong></td>
<td>Our school has adopted an SBDM or PTAapproved <strong>healthy snack and healthy celebration policy.</strong></td>
<td>Our school <strong>strictly enforces</strong> a healthy snack and healthy celebration policy.</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>N/A</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W3</td>
<td>Indoor Air Quality</td>
<td>Our school <strong>monitors the use of VOCs</strong> (volatile organic compounds) in our classrooms (i.e. room fresheners, candles, fragrances etc).</td>
<td>Our school <strong>meets Tier 1 criteria</strong> + <strong>is aware of</strong> EPA's Indoor Air Quality Tools for Schools kit.</td>
<td>Our school <strong>meets Tier 2 criteria</strong> + <strong>implements</strong> at least one EPA Indoor Air Quality Tools for Schools kit checklist.</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>N/A</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W4</td>
<td>Online Safety</td>
<td></td>
<td></td>
<td>Our school has <strong>raised awareness</strong> about <strong>online safety</strong>, cyber bullying and cyber security.</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>N/A</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W5</td>
<td>Playground Inspection</td>
<td>Our school custodial staff conducts playground inspections <strong>at least once a semester</strong> for bare mulch, equipment condition and potential hazards.</td>
<td>Our school custodial staff conducts routine weekly playground inspections <strong>at least twice a month</strong> for bare mulch, equipment condition and potential hazards.</td>
<td>Our school custodial staff conducts routine weekly playground inspections for bare mulch, equipment condition and potential hazards.</td>
<td>□</td>
<td>□</td>
<td>□</td>
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<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W6</td>
<td>Recess Policy</td>
<td>Our school has <strong>daily, unstructured recess time</strong> set aside each day.</td>
<td>Our school meets Tier 1 criteria + does not revoke <strong>recess</strong> as a means of academic or behavioral intervention.</td>
<td>Our school meets Tier 2 criteria + is committed to providing at least <strong>30 minutes of recess</strong> for each student <strong>daily</strong>.</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W7</td>
<td>Physical Education</td>
<td>Our school offers <strong>physical education cocurricular opportunities</strong> to our students (Girls on the Run, athletics, etc).</td>
<td>Our school meets Tier 1 criteria + incorporates <strong>movement breaks</strong> into classroom instruction (i.e. Go Noodle)</td>
<td>Our school meets Tier 2 criteria + hosts an all-school physically active event each year (Jogathon, Walkathon, 5K etc).</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W8</td>
<td>Food As a Reward</td>
<td>Our school recognizes the benefits of implementing healthier behavior modification strategies than food-as-reward.</td>
<td>Our school implements healthier behavior modification strategies than food-as-reward in <strong>over 50% of our classrooms</strong>.</td>
<td>Our school has adopted a school-wide practice to prohibit food as a classroom behavior reward.</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>W9</td>
<td>Healthy Fundraising</td>
<td>Our school encourages teams, clubs and student organizations to <strong>fundraise without selling highly-processed foods</strong>.</td>
<td>Our school limits fundraising by selling highly-processed foods <strong>two a year</strong>.</td>
<td>Our school prohibits fundraising that involves selling highly-processed food.</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>0</td>
<td>25</td>
</tr>
</tbody>
</table>

www.Sustainability.FCPS.net
<table>
<thead>
<tr>
<th>W10</th>
<th>Nutrition &amp; Fitness</th>
<th>Our school <strong>raises awareness</strong> about nutrition and fitness through curriculum and programs.</th>
<th>Our school <strong>participates in</strong> a national nutrition or fitness program (Better Bites, Alliance for a Healthier Generation, Fuel up to Play 60, etc)</th>
<th>Our school has been <strong>nationally recognized</strong> by a national nutrition or fitness program.</th>
<th>☐</th>
<th>☐</th>
<th>☐</th>
<th>☐</th>
<th>0</th>
<th>25</th>
<th>Not sure? Ask your Health/PE teacher.</th>
</tr>
</thead>
<tbody>
<tr>
<td>W11</td>
<td>Anti-bullying, Peer Mentoring Program</td>
<td>Our school <strong>raises awareness</strong> about the danger and harm of bullying through posters and/or announcements.</td>
<td>Our school <strong>meets Tier 1 criteria + adopted and trained</strong> all staff members on a school-wide antibullying policy.</td>
<td>Our school <strong>meets Tier 2 criteria + implements a school-wide peer tutoring program.</strong></td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<td>0</td>
<td>25</td>
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</tr>
<tr>
<td>W11</td>
<td>Vaccinations</td>
<td>Our school has reached <strong>50% or above compliance</strong> in documented vaccinations.</td>
<td>Our school has reached <strong>75% or above compliance</strong> in documented vaccinations.</td>
<td>Our school has reached <strong>95% or above compliance</strong> in documented vaccinations.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>0</td>
<td>25</td>
<td>Not sure? Ask your School Nurse.</td>
</tr>
<tr>
<td>W12</td>
<td>Health Emergencies</td>
<td><strong>10% or more of our school staff is CPR certified.</strong></td>
<td><strong>25% or more of our school staff is CPR certified.</strong></td>
<td>Our school <strong>has a CPR Trainer and at least 50% of our staff is CPR certified.</strong></td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>0</td>
<td>25</td>
<td>FCPS offers free CPR &amp; First Aid Training each fall. Find available trainings on the FCPS PD menu: <a href="http://webapps.fcps.net/pd/">http://webapps.fcps.net/pd/</a></td>
</tr>
<tr>
<td>W13</td>
<td>First Aid Certification</td>
<td><strong>10% or more of our school staff is First Aid certified.</strong></td>
<td><strong>25% or more of our school staff is First Aid certified.</strong></td>
<td><strong>50% or more of our school staff is First Aid certified.</strong></td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>0</td>
<td>25</td>
<td>FCPS offers free CPR &amp; First Aid Training each fall. Find available trainings on the FCPS PD menu: <a href="http://webapps.fcps.net/pd/">http://webapps.fcps.net/pd/</a></td>
</tr>
<tr>
<td>W14</td>
<td>Tobacco &amp; Drug Free</td>
<td>Our campus is <strong>tobacco free.</strong></td>
<td>Our School <strong>meets Tier 1 criteria</strong> and students <strong>participate in</strong> tobacco, drug and alcohol resistance education.</td>
<td>Our school <strong>meets Tier 2 criteria</strong> and hosts an <strong>allschool activity</strong> involving parents and the community to raise awareness of tobacco, drug and alcohol abuse issues.</td>
<td>0</td>
<td>25</td>
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<tr>
<td>W15</td>
<td>Mental Health</td>
<td>Our school has <strong>up to five teachers</strong> trained in recognizing mental health issues among students.</td>
<td><strong>At least 50% of our school staff</strong> is trained in recognizing mental health issues among students.</td>
<td>Every teacher in our school is trained to recognize mental health issues among students.</td>
<td>0</td>
<td>25</td>
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</tr>
<tr>
<td>W16</td>
<td>Handwashing</td>
<td>Our school <strong>raises awareness</strong> on the importance of handwashing <strong>during cold and flu season</strong> (December-March).</td>
<td>Our school raises awareness on the importance of handwashing <strong>year-round</strong> and allows students to wash hands or sanitize <strong>before lunch</strong>.</td>
<td>Our school meets Tier 2 criteria + encourages handwashing or sanitizing <strong>at least three times</strong> during the school day (morning/lunch/dismissal).</td>
<td>0</td>
<td>25</td>
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<tr>
<td>W17</td>
<td>Alliance for a Healthier Generation</td>
<td>Our school has signed up with the Alliance for a Healthier Generation to <strong>complete the report card</strong> and have completed <strong>at least 25%</strong> of the modules.</td>
<td>Our school <strong>completed 50%</strong> of the modules.</td>
<td>Our school <strong>completed the entire assessment.</strong></td>
<td>0</td>
<td>25</td>
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</table>

www.Sustainability.FCPS.net
<p>| W18 | Wellness Goals | Our school has committed to <strong>one wellness goal</strong> and has shared it with our <strong>principal</strong>. | Our school has committed to <strong>one wellness goal</strong> and has shared it with our <strong>staff at a staff meeting</strong>. | Our school has committed to <strong>one wellness goal</strong> and has shared it with our <strong>entire school community</strong> (teachers, staff, parents, students). | 0 | 25 | Wellness Subtotal: 0 500 |
|-----|----------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----|-----|----------------|-----------------|-------------------------------------------------|
| W19 | Go 365         | A <strong>Go365</strong> representative has <strong>presented at a staff meeting</strong>.                                | Our school <strong>meets Tier 1</strong> and there has been an <strong>on-site biometric screening event</strong>.         | Our school <strong>meets Tier 2</strong> and the school has <strong>participated in a Go365 challenge activity</strong>.  | 0 | 25 | To schedule a brief faculty meeting presentation for Go365 (formerly Humana Vitality), email Renee Smith at <a href="mailto:dsmith70@humana.com">dsmith70@humana.com</a>. |</p>
<table>
<thead>
<tr>
<th>#</th>
<th>Focus</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>N/A</th>
<th>Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>Recycling</td>
<td>Our school has recycling receptacles in at least 75% of our classrooms and offices.</td>
<td>Our school has recycling receptacles in 100% of classrooms and offices.</td>
<td>Our school meets Tier 2 criteria + completed a recycling assessment (Dumpster Dive) with Bluegrass Greensource.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>0</td>
<td>To request recycling posters/stickers or schedule a Dumpster Dive, contact your Bluegrass Greensource Environmental Educator.</td>
</tr>
<tr>
<td>E2</td>
<td>Cafeteria Recycling</td>
<td>Our school has Completed the LiveGreenLexington Recycling Survey during Bluegrass Greensource’s presentation at the Child Nutrition All Managers meeting.</td>
<td>Our school meets Tier 1 criteria + the cafeteria recycles cardboard, plastic, and cans used during food preparation.</td>
<td>Our school meets Tier 2 criteria + Cafeteria provides a recycling container and appropriate signage about recyclable items for student recycling of bottles and cans.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>E3</td>
<td>Plastic Water Bottles</td>
<td>Our school has purchased a water bottle refilling station to encourage the use of reusable water bottles over plastic water bottles.</td>
<td>Our school has purchased and installed at least two water bottle refilling stations to encourage the use of reusable water bottles over plastic water bottles.</td>
<td>Our school has participated in the KY American Water Excellence in Water Education program and earned a free water bottle refilling station.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<td>0</td>
<td>25</td>
</tr>
<tr>
<td>E4</td>
<td>Energy Usage Intensity</td>
<td>Our school has <strong>reduced</strong> our EUI (Energy used per square foot) by 4% or more compared to last school year OR has a score at or below 60 kBTu/sq.ft.</td>
<td>Our school has <strong>reduced</strong> our EUI (Energy used per square foot) by 8% or more compared to last school year OR has a score at or below 52 kBTu/sq.ft.</td>
<td>Our school has an EUI (Energy used per square foot) <strong>at or below 45 kBTu/sq.ft.</strong></td>
<td>□</td>
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<td>25</td>
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<tr>
<td>E5</td>
<td>Shutdown Schedule</td>
<td>Our school’s Sustainability Coordinator disseminates a Shutdown Checklist for each seasonal break (Fall, Winter, Summer and Fall).</td>
<td>Our school has <strong>met Tier 1 criteria</strong> + administration encourages faculty &amp; staff to complete a Shutdown Checklist for each seasonal break (Fall, Winter, Summer and Fall).</td>
<td>Our school has <strong>met Tier 2 criteria</strong> + 50% of all classrooms and offices comply with the Shutdown Checklist for each seasonal break (Fall, Winter, Summer and Fall).</td>
<td>□</td>
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<td>0</td>
<td>25</td>
</tr>
<tr>
<td>E6</td>
<td>HVAC Review</td>
<td>Our Sustainability Coordinator is aware of our school’s HVAC winter and summer set temps.</td>
<td>Our school has <strong>chosen to revise</strong> HVAC winter and summer set temps for improved building efficiency.</td>
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<td>□</td>
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<td>0</td>
<td>25</td>
</tr>
<tr>
<td>E7</td>
<td>No Idling</td>
<td>Our school educates our school community on the impacts of idling.</td>
<td>Our school has posted No Idling signs in our carpool line.</td>
<td>Our school <strong>meets Tier 2 criteria</strong> + communicates a No Idling policy to parents through newsletter, social media, etc.</td>
<td>□</td>
<td>□</td>
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<td>25</td>
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<tr>
<td>Task</td>
<td>Description</td>
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<tr>
<td>E8</td>
<td><strong>Electronic Recycling</strong>&lt;br&gt;Our school collects and recycles discarded printer cartridges as a fundraiser.</td>
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<tr>
<td></td>
<td>Our school collects and recycles discarded electronic equipment as a fundraiser.</td>
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<td></td>
<td><img src="Score.png" alt="Score" /> 25 0 <a href="https://www.RecyclingFundraiser.com">Explore RecyclingFundraiser.com for more information on electronic recycling.</a></td>
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<tr>
<td>E9</td>
<td><strong>Appliance Consolidation</strong>&lt;br&gt;Our school has conducted an informal inventory of discretionary plug loads (mini-fridges, microwaves, coffee makers, space heaters).&lt;br&gt;Our school meets Tier 1 criteria + discourages mini-fridges, coffee makers and space heaters (except when necessary).&lt;br&gt;Our school meets Tier 2 criteria + has implemented an Appliance Consolidation initiative.</td>
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<tr>
<td>E10</td>
<td><strong>ENERGY STAR</strong>&lt;br&gt;Our school’s Sustainability Coordinator is aware of our school Energy Star score.&lt;br&gt;Our school has improved our Energy Star score by 2 points compared to last year.&lt;br&gt;Our school has improved our Energy Star score by at least 5 points compared to last year or achieved Energy Star status.</td>
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<td><img src="Score.png" alt="Score" /> 25 0 <a href="mailto:logan.poteat@fayette.kyschools.us">Not sure? Contact FCPS Energy Manager Logan Poteat at logan.poteat@fayette.kyschools.us</a></td>
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**Environmental Impact Subtotal:** 0 250
<table>
<thead>
<tr>
<th>#</th>
<th>Focus</th>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
<th>N/A</th>
<th>Points</th>
<th>Points Available</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN1</td>
<td>Green Ribbon School Award</td>
<td>Our school is a <strong>recipient of the National Green Ribbon School Award</strong> from the US Department of Education.</td>
<td></td>
<td></td>
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<td>0</td>
<td>25</td>
<td>To learn more about the US Dept of Education Green Ribbon School program visit <a href="https://www2.ed.gov/programs/green-ribbon-schools/index.html">https://www2.ed.gov/programs/green-ribbon-schools/index.html</a>.</td>
</tr>
<tr>
<td>IN2</td>
<td>Styrofoam Reduction</td>
<td>Our school has <strong>documented</strong> Styrofoam and disposable tableware use in our cafeteria.</td>
<td>Our school <strong>meets Tier 1 criteria</strong> + shared documented tracking &amp; data with the school community.</td>
<td>Our school <strong>meets Tier 2 criteria</strong> + can demonstrate a measurable reduction in Styrofoam and/or disposable tableware use in our cafeteria through data tracking and awareness.</td>
<td></td>
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<td>25</td>
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</tr>
<tr>
<td>IN3</td>
<td>Composting</td>
<td>Our school has <strong>at least one classroom vermicomposting system</strong>.</td>
<td>Our school <strong>meets Tier 1 criteria</strong> + works with our Child Nutrition kitchen staff to compost preconsumer material.</td>
<td>Our school <strong>meets Tier 2 criteria</strong> + composts postconsumer material onsite <strong>at least once a week</strong> (i.e. Fruit &amp; Vegetable).</td>
<td></td>
<td>0</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>IN4</td>
<td>Vending Machines</td>
<td>Our school has installed a Vending Miser on <strong>at least one school vending machine</strong>.</td>
<td>Our school has installed a Vending Miser on all school vending machines.</td>
<td></td>
<td></td>
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<td>25</td>
<td></td>
</tr>
<tr>
<td>IN5</td>
<td>Transition Waste</td>
<td>Our school has an organized end-of-year cleanout to help divert discarded supplies to reusable or recyclable ends.</td>
<td>Our school has an organized end-of-year cleanout that reuses/donates or recycles all applicable waste.</td>
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<tr>
<td>IN6</td>
<td>Transportation</td>
<td>Our school has at least one bicycle rack for biking students and staff. Our students participated in Walk/Bike To School Day this school year.</td>
<td></td>
<td></td>
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<td>0</td>
<td>25</td>
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<td></td>
<td></td>
<td>To learn more about National Bike/Walk Day call (859)323-1153 or visit <a href="http://www.walkbiketoschool.org">www.walkbiketoschool.org</a></td>
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<tr>
<td>IN7</td>
<td>Paper Reduction</td>
<td>Our school has set its printers to default to double-sided printing (as available). Our school meets Tier 1 criteria + minimizes printing of forms, worksheets and newsletters and makes as many of these materials available online as possible.</td>
<td>Our school meets Tier 2 criteria + has at least one classroom that has gone paper-free.</td>
<td></td>
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<tr>
<td>IN8</td>
<td>Stormwater Quality</td>
<td>Our school has hosted at least one anti-litter or litter abatement event this school year with any group within our school community. Our school has met Tier 1 criteria + installed a stormwater stencil on a campus (or near campus) stormwater drain.</td>
<td>Our school has met Tier 2 criteria + earned Stormwater Sleuth designation (Bluegrass Greensource).</td>
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<td>To learn more about the Stormwater Sleuth program, contact your Bluegrass Greensource Environmental Educator.</td>
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56
| IN9 | Event Recycling | Our school **provides temporary recycling receptacles** for some schoolwide (i.e. Carnivals, Orientation) and indoor/outdoor athletic events. | Our school **meets Tier 2 criteria** + custodial staff regularly services temporary recycling receptacles for all schoolwide (i.e. Carnivals, Orientation) and indoor/outdoor athletic events. | Our school **meets Tier 2 criteria** + has installed permanent recycling receptacles in outdoor playground or athletic areas. |  |  |  |  | 0 | 25 |

|  |  | Environmental Impact Subtotal: | 0 | 225 |

*Innovation Items IN1-IN9 display maximum value per category. Partial credit can be given depending on participation level.

|  |  | TOTAL SCORE | 0 | 1500 |

|  |  | SCORE: | 0.00% |