



Kentucky 2016-2017 Green Ribbon Schools Application

Thank you for your interest in completing the Kentucky application for nomination to U.S. Department of Education Green Ribbon Schools (ED-GRS). In order to complete this application, you will need to collect data about your school's facility, health, physical education and safety policies; food service; and environmental and sustainability curriculum.

ED-GRS recognizes schools taking a comprehensive approach to greening their school. A comprehensive approach incorporates environmental learning with improving environmental and health impacts. In Kentucky, becoming a U.S. Department of Education Green Ribbon School nominee is a three-step process.

1. Submit a "letter of intent" to the Kentucky Department of Education (KDE) via email to Greg Dunbar greg.dunbar@education.ky.gov & Calleen Yett calleen.yett@education.ky.gov to indicate your school's desire to submit an application. All applicants must be in compliance with all applicable health, safety and environment statutory and regulatory requirements to be eligible for nomination to ED-GRS. Download the [Federal, State and Local Civil Rights, Health, Environment and Safety Statutory and Regulatory Requirements](#) to check for potential violations that could prevent your school from qualifying for this award.

Letter of Intent Submission Deadline – November 14, 2017

2. Complete and email this form (the KY 2016-2017 Green Ribbon Schools Application) to Greg Dunbar greg.dunbar@education.ky.gov & Calleen Yett calleen.yett@education.ky.gov, for evaluation as a nominee for ED-GRS. Submit appropriate permissions to use any photos submitted with the application, if applicable.

Application Submission Deadline – December 15, 2017

3. Work with KDE to complete a nomination package, if selected as a nominee for ED-GRS. Nomination packages will be limited to 20 pages, including the required nomination form provided by the ED-GRS.

Nomination Package Submission Deadline – February 20, 2018

ED selects honorees from those presented by eligible nominating authorities nationwide. Selection will be based on documentation of the applicant's high achievement in the three ED-GRS Pillars:

- 1) Reduce environmental impact and costs.
- 2) Improve the health and wellness of students and staff.
- 3) Provide effective environmental and sustainability education, incorporating STEM, civic skills and green career pathways.

Schools demonstrating exemplary achievement in all three Pillars will receive highest rankings. It is important to document concrete achievement. It will help you to assemble a team to complete the application. This team might include: a facilities manager, physical education director, food services director, curriculum director, finance department representatives, teachers and students. You should consult the ED-GRS [Green Strides Resources Page and Webinar Series](#) for standards, programs and grants related to each Pillar, Element and question. This is an excellent clearinghouse of information for all schools, not only those who apply.



Kentucky 2016-2017 Green Ribbon Schools Application

The questions in this application will help you demonstrate your high achievement in these Pillars as well as provide space for you to include pertinent documentation. ***Applications are due by December 1, 2016.***

KDE will select nominees, work with the nominees to prepare the nomination package and submit the nomination packages to the U.S. Department of Education by February 1, 2017.

Note that if selected for nomination to ED-GRS, the school principal and district superintendent must be prepared to certify that each of the statements below concerning the school's eligibility and compliance with the following requirements is true; however, in no case is a private school required to make any certification with regard to the public school district in which it is located.

1. The school has some configuration that includes one or more of grades Pre-K-12.
2. The school has been evaluated and selected from among schools within the Nominating Authority's jurisdiction as highest achieving in the three ED-GRS Pillars: 1) reduced environmental impact and costs; 2) improved health and wellness; and 3) effective environmental and sustainability education.
3. Neither the nominated public school nor its public school district is refusing the U.S. Department of Education Office of Civil Rights (OCR) access to information necessary to investigate a civil rights complaint or to conduct a district wide compliance review.
4. OCR has not issued a violation letter of findings to the public school district concluding that the nominated public school or the public school district as a whole has violated one or more of the civil rights statutes. A violation letter of findings will not be considered outstanding if OCR has accepted a corrective action plan to remedy the violation.
5. The U.S. Department of Justice does not have a pending suit alleging that the public school or the public school district as a whole has violated one or more of the civil rights statutes or the Constitution's equal protection clause.
6. There are no findings of violations of the Individuals with Disabilities Education Act in a U.S. Department of Education monitoring report that apply to the public school or public school district in question; or if there are such findings, the state or public school district has corrected, or agreed to correct, the findings.
7. The school meets all applicable federal, state, local and tribal health, environmental and safety requirements in law, regulations and policy and is willing to undergo EPA on-site verification.



Kentucky 2016-2017 Green Ribbon Schools Application

School Contact Information

School Name: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Website: _____ Facebook page: _____

Principal Name: _____

Principal Email Address: _____ Phone Number: _____

Lead Applicant Name (if different): _____

Lead Applicant Email: _____ Phone Number: _____

<p>Level</p> <p><input type="checkbox"/> Early Learning Center</p> <p><input type="checkbox"/> Elementary (PK - 5 or 6)</p> <p><input type="checkbox"/> K - 8</p> <p><input type="checkbox"/> Middle (6 - 8 or 9)</p> <p><input type="checkbox"/> High (9 or 10 - 12)</p>	<p>School Type</p> <p><input type="checkbox"/> Public</p> <p><input type="checkbox"/> Private/Independent</p> <p><input type="checkbox"/> Charter</p> <p><input type="checkbox"/> Magnet</p>	<p>How would you describe your school?</p> <p><input type="checkbox"/> Urban</p> <p><input type="checkbox"/> Suburban</p> <p><input type="checkbox"/> Rural</p>	<p>District Name</p> <p>_____</p> <p>Is your school in one of the largest 50 districts in the nation?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <hr/> <p>Total Enrolled:</p> <p>_____</p>
<p>Does your school serve 40% or more students from disadvantaged households?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>% receiving FRPL _____</p> <p>% limited English proficient _____</p> <p>Other measures _____</p>		<p>Graduation rate: _____</p> <p>Attendance rate: _____</p>



Kentucky 2016-2017 Green Ribbon Schools Application

Application Scoring Rubric:

<u>ED-GRS Pillars and Elements</u>	<u>Points</u>
Cross-Cutting Question: Participation in green school programs	5 points
Pillar 1: Reduce environmental impact and costs: 30%	
Element 1A: Reduced or eliminated greenhouse gas (GHG) emissions Energy Buildings	15 points
Element 1B: Improved water quality, efficiency, and conservation Water Grounds	5 points
Element 1C: Reduced waste production Waste Hazardous waste	5 points
Element 1D: Use of alternative transportation	5 points
Pillar 2: Improve the health and wellness of students and staff: 30%	
Element 2A: Integrated school environmental health program Integrated Pest Management Contaminant controls and Ventilation Asthma control Indoor air quality Moisture control Chemical management	15 points
Element 2B: Health and Wellness Coordinated School Health Fitness and outdoor time Food and Nutrition	15 points
Pillar 3: Provide effective environmental and sustainability education, incorporating STEM, civic skills and green career pathways: 35%	
Element 3A: Interdisciplinary learning about the key relationships between dynamic environmental, energy and human systems	20 points
Element 3B: Use of the environment and sustainability to develop STEM content, knowledge, and thinking skills	5 points
Element 3C: Development and application of civic knowledge and skills	10 points
Total	100 points



Kentucky 2016-2017 Green Ribbon Schools Application

Summary Narrative: Provide a narrative describing your school's efforts to reduce environmental impact and costs; improve student and staff health; and provide effective environmental and sustainability education. Focus on unique and innovative practices and partnerships.



Kentucky 2016-2017 Green Ribbon Schools Application

1. Is your school participating in a local, state or national school program, such as EPA ENERGY STAR Portfolio Manager, EcoSchools, Project Learning Tree, or others, which asks you to benchmark progress in some fashion in any or all of the Pillars? [State may wish to add other program names to this list]

Yes No Program(s) and level(s) achieved:

2. Has your school, staff or student body received any awards for facilities, health or environment?

Yes No Award(s) and year(s) _____

Pillar 1: Reduced Environmental Impact and Costs

Energy

1. Can your school demonstrate a reduction in Greenhouse Gas emissions?

Yes No Percentage reduction: _____ Over (m/yy - m/yy): _____

Initial GHG emissions rate (MT eCO₂/person): _____

Final GHG emissions rate (MT eCO₂/person): _____

Offsets: _____ How did you calculate the reduction?

2. Do you track resource use in EPA ENERGY STAR Portfolio Manager? Yes No

If yes, what is your score? _____ If score is above a 75, have you applied for and received ENERGY STAR certification? Yes No Year: _____

3. Has your school reduced its total non-transportation energy use from an initial baseline? Yes No

Current energy usage (kBTU/student/year): _____

Current energy usage (kBTU/sq. ft./year): _____

Percentage reduction: _____ over (m/yy - mm/yy): _____

How did you document this reduction? _____

4. What percentage of your school's energy is obtained from:

On-site renewable energy generation: _____ Type _____

Purchased renewable energy: _____ Type _____



Kentucky 2016-2017 Green Ribbon Schools Application

Participation in USDA Fuel for Schools, DOE Wind for Schools or other federal or state school energy program:

5. In what year was your school originally constructed? _____

What is the total building area of your school?

6. Has your school constructed or renovated building(s) in the past ten years? () Yes () No

For new building(s): Percentage building area that meets green building standards: _____

Certification and year received: _____ Total constructed area: _____

For renovated building(s): Percentage of the building area that meets green building standards: _____

Certification and year: _____

Total renovated area: _____

Water and Grounds

7. Can you demonstrate a reduction in your school's total water consumption from an initial baseline?

Average Baseline water use (gallons per occupant): _____

Current water use (gallons per occupant): _____

Percentage reduction in domestic water use: _____

Percentage reduction in irrigation water use: _____

Time period measured (mm/yyyy - mm/yyyy): _____

How did you document this reduction (ie. ENERGY STAR Portfolio Manager, utility bills, school district reports)?: _____

8. What percentage of your landscaping is considered water-efficient and/or regionally appropriate?: _____ Types of plants used and location: _____

9. Describe alternate water sources used for irrigation. (50 words max)

10. Describe any efforts to reduce stormwater runoff and/or reduce impermeable surfaces. (50 words max) _____



Kentucky 2016-2017 Green Ribbon Schools Application

11. Our school's drinking water comes from: () Municipal water source () Well on school property ()
 Other: _____

12. Describe how the water source is protected from potential contaminants. (50 words max)

13. Describe the program you have in place to control lead in drinking water. (50 words max)

14. What percentage of the school grounds are devoted to ecologically beneficial uses? (50 word max)

Waste

15. What percentage of solid waste is diverted from landfilling or incinerating due to reduction, recycling and/or composting? Complete all the calculations below to receive points.

A - Monthly garbage service in cubic yards (garbage dumpster size(s) x number of collections per month x percentage full when emptied or collected): _____

B - Monthly recycling volume in cubic yards (recycling dumpster sizes(s) x number of collections per month x percentage full when emptied or collected):

C - Monthly compostable materials volume(s) in cubic yards (food scrap/food soiled paper dumpster size(s) x number of collections per month x percentage full when emptied or collected): _____

Recycling Rate = $((B + C) \div (A + B + C) \times 100)$: _____

Monthly waste generated per person = $(A/\text{number of students and staff})$:

16. What percentage of your school's total office/classroom paper content is post-consumer material, fiber from forests certified as responsibly managed and/or chlorine-free?

17. List the types and amounts of hazardous waste generated at your school:

Flammable liquids	Corrosive liquids	Toxics	Mercury	Other:
-------------------	-------------------	--------	---------	--------



Kentucky 2016-2017 Green Ribbon Schools Application

How is this measured?

How is hazardous waste disposal tracked?

Describe other measures taken to reduce solid waste and eliminate hazardous waste.
(100 word max)

18. Which green cleaning custodial standard is used? _____

What percentage of all products is certified? _____

What specific third party certified green cleaning product standard does your school use?

Alternative Transportation

19. What percentage of your students walk, bike, bus, or carpool (2 + student in the car) to/from school?
(Note if your school does not use school buses)

How is this data calculated? (50 word max)

20. Has your school implemented?

designated carpool parking stalls.

a well-publicized no idling policy that applies to all vehicles (including school buses).

Vehicle loading/unloading areas are at least 25 feet from building air intakes, doors, and windows.

Safe Pedestrian Routes to school or Safe Routes to School

Describe activities in your safe routes program: _____ (50 word max)

21. Describe how your school transportation use is efficient and has reduced its environmental impact.
(50 word max) _____



Kentucky 2016-2017 Green Ribbon Schools Application

22. Describe any other efforts toward reducing environmental impact, focusing on innovative or unique practices and partnerships. (100 word max)

Pillar 2: Improve the health and wellness of students and staff

Environmental Health

1. Describe your school's Integrated Pest Management efforts, including IPM/green certifications earned, routine inspections, pest identification, monitoring, record-keeping, etc.:

2. What is the volume of your annual pesticide use (gal/student/year)? Describe efforts to reduce use:

3. Which of the following practices does your school employ to minimize exposure to hazardous contaminants? Provide specific examples of actions taken for each checked practice.

Our school prohibits smoking on campus and in public school buses. _____

Our school has identified and properly removed sources of elemental mercury and prohibits its purchase and use in the school. _____

Our school uses fuel burning appliances and has taken steps to protect occupants from carbon monoxide (CO) _____

Our school does not have any fuel burning combustion appliances

Our school has tested all frequently occupied rooms at or below ground level for radon gas and has fixed and retested all rooms with levels that tested at or above 4 pCi/L OR our school was built with radon resistant construction features and tested to confirm levels below 4 pCi/L.

Our school has identified any wood playground or other structures that contain chromate copper arsenate and has taken steps to eliminate exposure.

4. Describe how your school controls and manages chemicals routinely used in the school to minimize student and staff exposure. (100 word max)



Kentucky 2016-2017 Green Ribbon Schools Application

5. Describe actions your school takes to prevent exposure to asthma triggers in and around the school. (100 word max) _____

6. Describe actions your school takes to control moisture from leaks, condensation, and excess humidity and promptly cleanup mold or removes moldy materials when it is found. (100 word max)

7. Our school has installed local exhaust systems for major airborne contaminant sources. ()Yes ()No

8 Describe your school's practices for inspecting and maintaining the building's ventilation system and all unit ventilators to ensure they are clean and operating properly. (100 word max)

9. Describe actions your school takes to ensure that all classrooms and other spaces are adequately ventilated with outside air, consistent with state or local codes, or national ventilation standards. (100 word max) _____

10. Describe other steps your school takes to protect indoor environmental quality such as implementing EPA IAQ Tools for Schools and/or conducting other periodic, comprehensive inspections of the school facility to identify environmental health and safety issues and take corrective action. (200 word max)

Nutrition and Fitness

11. Which practices does your school employ to promote nutrition, physical activity and overall school health? Provide specific examples of actions taken for each checked practice, focusing on innovative or unique practices and partnerships. (100 word max)

Our school participates in the USDA's HealthierUS School Challenge. Level and year:

_____.

Our school participates in a Farm to School program to use local, fresh food.

Our school has an on-site food garden.

Our school garden supplies food for our students in the cafeteria, a cooking or garden class or to the community. _____



Kentucky 2016-2017 Green Ribbon Schools Application

Our students spent at least 120 minutes per week over the past year in school supervised physical education.

At least 50% of our students' annual physical education takes place outdoors.

Health measures are integrated into assessments. _____

At least 50% of our students have participated in the EPA's Sunwise (or equivalent program).

Food purchased by our school is certified as "environmentally preferable"

Percentage: _____ Type: _____

12. Describe the type of outdoor education, exercise and recreation available. (100 word max)

13. Describe any other efforts to improve nutrition and fitness, highlighting innovative or unique practices and partnerships. (100 word max)

Coordinated School Health, Mental Health, School Climate, and Safety

14. Does your school use a Coordinated School Health approach or other health-related initiatives to address overall school health issues? () Yes () No

If yes, describe the health-related initiatives or approaches used by the school:

15. Does your school partner with any postsecondary institutions, businesses, nonprofit organizations, or community groups to support student health and/or safety? () Yes () No

If yes, describe these partnerships:

16. Does your school have a school nurse and/or a school-based health center? () Yes () No



Kentucky 2016-2017 Green Ribbon Schools Application

17. Describe your school's efforts to support student mental health and school climate (e.g. anti-bullying programs, peer counseling, etc.):

Pillar 3: Effective Environmental and Sustainability Education

1. Which practices does your school employ to help ensure effective environmental and sustainability education? Provide specific examples of actions taken for each checked practice, highlighting innovative or unique practices and partnerships.

Our school has an environmental or sustainability literacy requirement. (200 word max)

Environmental and sustainability concepts are integrated throughout the curriculum. (200 word max)

Environmental and sustainability concepts are integrated into assessments. (200 word max)

Students evidence high levels of proficiency in these assessments. (100 word max)

Professional development in environmental and sustainability education are provided to all teachers. (200 word max)

2. For schools serving grades 9-12, provide:

Percentage of last year's eligible graduates who completed the AP Environmental Science course during their high school career: _____ Percentage scoring a 3 or higher: _____

3. How does your school use sustainability and the environment as a context for learning science, technology, engineering and mathematics thinking skills and content knowledge? (200 word max)

4. How does your school use sustainability and the environment as a context for learning green technologies and career pathways? (200 word max)



Kentucky 2016-2017 Green Ribbon Schools Application

5. Describe students' civic/community engagement projects integrating environment and sustainability topics. (200 word max)

6. Describe students' meaningful outdoor learning experiences at every grade level. (200 word max)

7. Describe how outdoor learning is used to teach an array of subjects in context, engage the broader community, and develop civic skills. (200 word max)

8. Describe your partnerships to help your school and other schools achieve in the 3 Pillars. Include both the scope and impact of these partnerships. (Maximum 200 words)

9. Describe any other ways that your school integrates core environment, sustainability, STEM, green technology and civics into curricula to provide effective environmental and sustainability education, highlighting on innovative or unique practices and partnerships. (Maximum 200 words)

10. Submit 3 or more photos (with appropriate permissions). All of this and everything in this application is up to the state authority.