

GREEN RIBBON SCHOOLS RECOGNITION AWARD PROGRAM

APPLICATION FORM

2012-2013



Three copies of the application with original signatures must be postmarked or received at the Iowa Department of Education by 4:30 p.m. on Friday, December 21, 2012. Electronically submitted or faxed applications will not be accepted.

Iowa Department of Education
Grimes State Office Building – 2nd floor
400 East 14th Street
Des Moines, IA 50319-0146

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Iowa Department of Education Green Ribbon Schools Application

Thank you for your interest in completing the Iowa Department of Education Green Ribbon Schools 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 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. Becoming a U.S. Department of Education Green Ribbon School is a two-step process. The first step is to complete and submit this form to be selected as a nominee by an eligible nominating authority. The second step of the process requires signatures for the nominee package that will be sent to the U.S. Department of Education (ED).

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:

- Pillar I:** Reduce environmental impact and costs.
Pillar II: Improve the health and wellness of students and staff.
Pillar III: 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 [resources page](#) for standards, programs and grants related to each Pillar, Element and question. This is an excellent clearinghouse of resources for all schools, not just those who apply.

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. You will receive points when you provide documentation for your answers. **Applications are due by December 21, 2012.**

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 K-12. (Schools on the same campus with one principal, even a K-12 school, must apply as an entire school.)



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.

School Contact Information

School Name: _____

School Address: _____

City: _____ State: _____ Zip: _____

Website: _____ Face book page: _____

Principal Name: _____

Principal Email Address: _____ Telephone Number: _____

Lead Applicant Name (if different): _____

Lead Applicant Email: _____ Telephone Number: _____



Level		School Type		How would you describe your school?			
	Elementary (PK-5 or 6)		Public		Urban	District Name	
	K-8		Private/Independent		Suburban		Largest 50 districts
	Middle (6-8 or 9)		Charter		Rural		Total enrolled:
	High (9 or 10-12)						
Does your school serve 40% or more students from disadvantaged households?				% receiving FRPL:		Graduation rate:	
Yes		No		% limited English proficient:		Attendance rate:	
				Other measures:			

Application Outline		
ED-GRS Pillars and Elements		Points
Cross-Cutting Question: Participation in green school programs <i>(Summary Narrative)</i>		5
Pillar I: Reduce environmental impact and costs: 30%		
Element 1A: Reduced or eliminated greenhouse gas (GHG) emissions Energy Buildings		15
Element 1B: Improved water quality, efficiency, and conservation Water Grounds		5
Element 1C: Reduced waste production Waste Hazardous waste		5
Element 1D: Use of alternative transportation		5
Pillar II: 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
Element 2B: Nutrition and fitness Fitness and outdoor time Food and nutrition		15



Pillar III: 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
Element 3B: Use of the environment and sustainability to develop STEM content, knowledge, and thinking skills	5
Element 3C: Development and application of civic knowledge and skills	10
Total	100

Cross-Cutting Question – Summary Narrative: Attach an 800-word maximum narrative to this application 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.

1. Is your school participating in a local, state or national school program which asks you to benchmark progress in some fashion in any or all of the Pillars?

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 I: 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. Has your school received EPA ENERGY STAR certification or does it meet the requirements for ENERGY STAR certification?

Yes No Year(s) and score(s) received:

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-m/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: _____

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 of the building area that meets green building standards:

Certification and level: _____ Total constructed area: _____

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

Certification and level: _____ Total renovated area: _____

Water and Grounds

7. What percentage of your landscaping is considered water-efficient and/or regionally appropriate:

Types of plants used and location:

8. Describe alternate water sources used for irrigation. (50 word max)

9. Describe any efforts to reduce storm water runoff and/or reduce impermeable surfaces. (50 word max)



10. Our school's drinking water comes from:

Municipal water source Well on school property Other: _____

11. Describe how the water source is protected from potential contaminants. (50 word max)

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

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

Waste

14. What percentage of solid waste is diverted from land filling 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/number of students and staff):

15. 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?

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

Flammable liquids	Corrosive liquids	Toxics	Mercury	Other:

How is this calculated?

How is hazardous waste disposal tracked?

17. 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?

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





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)

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

2. 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.
Example:

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

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

Our school does not have any fuel burning combustion appliances.
Example:

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.
Example:

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





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

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

5. 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)

6. Our school has installed local exhaust systems for major airborne contaminant sources. Yes No

7. 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)



- 8. 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)

- 9. 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

- 10. 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 each)

Our school participates in the USDA's HealthierUS School Challenge. Level and year:	Level	Year
(100 word max)		



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Our school participates in a Farm to School program to use local, fresh food.
(100 word max)

Our school has an on-site food garden.
(100 word max)

Our school garden supplies food for our students in the cafeteria, a cooking or garden class or to the community.
(100 word max)

Our students spent at least 120 minutes per week over the past year in school supervised physical education.
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(100 word max)



	At least 50% of our students' annual physical education takes place outdoors.
	(100 word max)

	Health measures are integrated into assessments.
	(100 word max)

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

	Food purchased by our school is certified as "environmentally preferable."		
		Percentage	Type
	(100 word max)		



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



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

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 is 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:	
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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)



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 contexts, 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. (200 word max)

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. (200 word max)



10. Submit 10 photos or up to 10 minutes of video content.