

2014-2015 Post-Secondary Nominee Presentation Form

ELIGIBILITY CERTIFICATIONS

College or University Certifications

The signature of college or university President (or equivalent) on the next page certifies that each of the statements below concerning the institution's eligibility and compliance with the following requirements is true and correct to the best of their knowledge.

1. The college or university has been evaluated and selected from among institutions within the Nominating Authority's jurisdiction, based on high achievement in the three ED-GRS Pillars: 1) reduced environmental impact and costs; 2) improved health and wellness; and 3) effective environmental and sustainability education.
2. The college or university is providing 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 compliance review.
3. OCR has not issued a violation letter of findings to the college or university concluding that the nominated college or university 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.
4. The U.S. Department of Justice does not have a pending suit alleging that the college or university has violated one or more of the civil rights statutes or the Constitution's equal protection clause.
5. There are no findings by Federal Student Aid of violations in respect to the administration of Title IV student aid funds.
6. The college or university is in good standing with its regional or national accreditor.
7. The college or university 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.

U.S. Department of Education Green Ribbon Schools 2014-2015

Public 4-Year Public 2-Year Private Non-Profit

Name of President/Chancellor: Dr. Mick Starcevich

(Specify: Ms., Miss, Mrs., Dr., Mr., etc.) (As it should appear in the official records)

Official College or University Name: Kirkwood Community College

(As it should appear on an award)

College or University Street

Mailing Address: 6301 Kirkwood Blvd SW, Cedar Rapids, Iowa 52404

(If address is P.O. Box, also include street address.)

County: IPEDS Number*:

Telephone: 319-398-5491 Fax: 319-398-1243

Web site/URL: www.kirkwood.edu E-mail: melissa.jensen@kirkwood.edu

*Integrated Postsecondary Education Data System

I have reviewed the information in this application and certify that to the best of my knowledge all information is accurate.



(President's/Chancellor's Signature)

Date: 1/30/2015

Nominating Authority's Certifications

The signature by the Nominating Authority on this page certifies that each of the statements below concerning the college or university's eligibility and compliance with the following requirements is true and correct to the best of the Authority's knowledge.

1. The college or university has been evaluated and selected from among institutions within the Nominating Authority's jurisdiction, based on high achievement in the three ED-GRS Pillars: 1) reduced environmental impact and costs; 2) improved health and wellness; and 3) effective environmental and sustainability education.
2. The college or university 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.

Name of Nominating Agency: Iowa Department of Education

Name of Nominating Authority: Mr. Thomas Cooley

(Specify: Ms., Miss, Mrs., Dr., Mr., Other)

I have reviewed the information in this application and certify to the best of my knowledge that the school meets the provisions above.



Date: 1/30/2015

(Nominating Authority's Signature)

SUMMARY AND DOCUMENTATION OF NOMINEE'S ACHIEVEMENTS

Provide a coherent "snapshot" that describes how your college or university is representative of your jurisdiction's highest achieving green school efforts. Summarize your strengths and accomplishments in all three Pillars and nine Elements. Then, include documentation and concrete examples for work in every Pillar and Element.

Kirkwood Community College – Summary of Achievements

Kirkwood Community College is a leader in sustainability initiatives for colleges and universities. Most notably, our commercial scale wind turbine has become an icon of our approach to going green. Our energy policy was originally adapted in 2007 and our programs range widely in scope and impact, including everything from the campus wide commingled recycling program, to energy control software, food scrap composting, wind technician training as well as many other programs. Our sustainability programs help Kirkwood reduce expenses, increase resource efficiency, while enhancing staff morale and retention while reducing risk. The Hotel at Kirkwood, the nation's only luxury teaching hotel at a two-year college, utilizes an ice storage system which reduces our energy usage when cooling.

Kirkwood is well poised to continue its leadership in building a more sustainable community and society. In addition to highly visible initiatives like the wind turbine, commingling program, and EV charging stations, Kirkwood also boasts numerous behind the scene efforts ranging from operations to curriculum. These sustainability programs have put Kirkwood in the spotlight to receive honors on several occasions.



Kirkwood has a variety of resources and programs for our staff and students. Our on-site Recreation Center is available for all students, staff, and retirees. Kirkwood is an active Blue Zone worksite, a program designed to improve life and community. Employee assistance and counseling provide support and guidance to employees and students.

Kirkwood provides effective environmental and sustainable education thru a wide variety of programs. Most notable is our 2.5 mW wind turbine which provides energy to the campus while serving as an educational tool thru the Energy Production and Distribution Technologies program. Kirkwood also has a variety of STEM courses, as well as addressing environmental; issues thru our agricultural and horticulture programs.

SUBMISSION

The nomination package, including the signed certifications and documentation of evaluation in the three Pillars should be converted to a PDF file and emailed to green.ribbon.schools@ed.gov according to the instructions in the Nominee Submission Procedure.

OMB Control Number: 1860-0509

Expiration Date: February 28, 2015

Public Burden Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this information collection is 1860-0509. Public reporting burden for this collection of information is estimated to average 37 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. The obligation to respond to this collection is required to obtain or retain benefit P.L. 107-110, Sec. 501, Innovative Programs and Parental Choice Provisions. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the U.S. Department of Education, 400 Maryland Ave., SW, Washington, DC 20202-4536 or email ICDocketMgr@ed.gov and reference the OMB Control Number 1860-0509. Note: Please do not return the completed ED-Green Ribbon Schools application to this address.



Application

90623 - FY15 Iowa Green Ribbon Schools - College Application

99932 - Kirkwood Green Ribbon School

Green Ribbon Schools

Status: Under Review
Original Submitted Date: 01/07/2015 3:22 PM
Last Submitted Date: 01/21/2015 11:30 AM

Primary Contact

AnA User Id MELISSA.JENSEN@IOWAID

First Name* Melissa A Jensen
First Name Middle Name Last Name

Title: Director, Emergency Services & Campus Security

Email: melissa.jensen@kirkwood.edu

Address: 6301 Kirkwood Blvd SW

City* Cedar Rapids Iowa 52404
City State/Province Postal Code/Zip

Phone:* 319-398-5491
Phone Ext.

Program Area of Interest Green Ribbon Schools

Organization Information

Organization Name: Kirkwood Community College

Organization Type: Community College

Tax ID: 42-0924685

Organization Website: www.kirkwood.edu

Address: 6301 Kirkwood Blvd SW
Cedar Rapids Iowa 52404
City State/Province Postal Code/Zip

Phone: 319--398-5491

Cover Sheet-General Information

Authorized Official

Name Melissa Jensen
Title Director, Emergency Services & Campus Security
Organization Kirkwood Community College
If you are an individual, please provide your First and Last Name.
Address 6301 Kirkwood Blvd SW
City/State/Zip* Cedar Rapids Iowa 52404
City State Zip
Telephone Number 319-398-5491
E-Mail melissa.jensen@kirkwood.edu

Fiscal Officer/Agent

*Please enter the "Fiscal Officer" for your Organization.
If you are an individual, please provide your First and Last Name.*

Name Jim Choate
Title Vice President/Chief Financial Operations Officer
Organization Kirkwood Community College
Address 6301 Kirkwood Blvd SW
City/State/Zip Cedar Rapids Iowa 52404
City State Zip
Telephone Number 319-398-7612
E-Mail jim.choate@kirkwood.edu
County(ies) Participating, Involved, or Affected by this Proposal Benton County, Cedar County, Iowa County, Johnson County, Jones C
Linn County, Washington County
Congressional District(s) Involved or Affected by this Proposal 2nd - Rep David Loebsack (D)
Congressional Map
Iowa Senate District(s) Involved or Affected by this Proposal 29, 33, 34, 35, 37, 38, 39, 43
District Map
Iowa House District(s) Involved or Affected by this Proposal 58, 65, 66, 67, 68, 69, 70, 73, 74, 75, 76, 77, 78, 84, 85, 86,
95, 96

College/University Contact Information

College/University Name: Kirkwood Community College
Street Address 6301 Kirkwood Blvd SW
City Cedar Rapids

State	Iowa
Zip Code	52404
Website:	www.kirkwood.edu
Facebook page:	https://www.facebook.com/#!/kirkwoodcommunitycolle
President/Chancellor Name:	Dr. Mick Starcevich
President/Chancellor E-mail Address:	mick.starcevich@kirkwood.edu
Telephone Number:	319-398-5500
Lead Applicant Name (if different):	Melissa Jensen
Lead Applicant Email:	melissa.jensen@kirkwood.edu
Lead Applicant Phone Number:	319-398-5491

College/University Enrollment Profile:

Undergraduate Enrollment:	21,889
Graduate Enrollment:	0
Percent of Undergraduates Receiving Pell Grants:	48.0%
Graduation rate (150% of normal time):	20.0%
Average Institutional Net Price:	\$11,081

Basic Carnegie Classification

Asian American and Native American Pacific Islander-serving Institution (AANAPISI)	No
Alaska Native-serving institution or a Native Hawaiian-serving institution (ANNH)	No
Historically Black college or university (HBCU)	No
Hispanic-serving institution (HSI)	No
Native American-serving nontribal institution (NASNTI)	No
Predominantly Black Institution (PBI)	No
Tribal College or University (TCU)	No

Summary Narrative:

Provide a narrative describing 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. Summarize the efforts in all three pillars.

Kirkwood Community College is a leader in sustainability initiatives for colleges and universities.

Pillar One - Most notably, our commercial scale wind turbine has become an icon of our approach to going green. Our energy policy was originally adapted in 2007 and our programs range widely in scope and impact, including everything from the campus wide commingled recycling program, to energy control software, food scrap composting, facilitation of ride sharing, wind technician training as well as many other programs. Our sustainability programs help Kirkwood reduce expenses, increase resource efficiency, while enhancing staff morale and retention while reducing risk. The Hotel at Kirkwood, the nation's only luxury teaching hotel at a two-year college, utilizes an ice storage system which reduces our energy usage when cooling.

Kirkwood is well poised to continue its leadership in building a more sustainable community and society. In addition to highly visible initiatives like the wind turbine, commingling program, and EV charging stations, Kirkwood also boasts numerous behind the scene efforts ranging from operations to curriculum. These sustainability programs have put Kirkwood in the spotlight to receive honors on several occasions.

For more information about Kirkwood, including our locations, our students, and our academic programs, please see "Kirkwood at a Glance" - <http://www.kirkwood.edu/ataglance>.

Pillar Two – Kirkwood has a variety of resources and programs for our staff and students. Our on-site Recreation Center is available for all students, staff, and retirees. Kirkwood is an active Blue Zone worksite, a program designed to improve life and community. Employee assistance and counseling provide support and guidance to employees and students.

Pillar 3 – Kirkwood provides effective environmental and sustainable education thru a wide variety of programs. Most notable is our 2.5 mW wind turbine which provides energy to the campus while serving as an educational tool thru the Energy Production and Distribution Technologies program. Kirkwood also has a variety of STEM courses, as well as addressing environmental; issues thru our agricultural and horticulture programs.

Participation Summary:

Is your school, district, or college 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?

No

Program(s) and level(s) achieved:

Awards Summary:

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

Yes

Award(s) and year(s):

Recently:

In 2012, Kirkwood was recognized with the Iowa Governor's Environmental Excellence Award for overall achievement and special recognition in waster reduction. Also in 2012, the Iowa Recycling Association presented Kirkwood with the Best School/Organizational Recycling Program award.

For three years, the National Arbor Day Foundation has recognized Kirkwood as a Tree Campus USA for it's extensive tree planting efforts.

Kirkwood is a Certified Green Cleaning School by Green Seal, the only independent third party organization certifying green cleaning. - Kirkwood has been awarded "Green Cleaning Gold Status and is green cleaning Certified. By utilizing environmental preferred products and formulas reduces risk, improves indoor air quality, conserves resources, and reduces the negative effects on the environment

College - Pillar 1 Reducing Environmental Impact and Costs

Describe how your college or university is reducing environmental impact and costs by reducing or eliminating greenhouse gas emissions; improving water quality, efficiency, and conservation; reducing waste production; and using alternative transportation.

- **Waste Reduction Policy** - Through our commingled recycling and other waste minimization programs, Kirkwood is committed to steadily improving its recycling rates and has adopted a goal to achieve 75 percent landfill diversion by 2014. In 2011, Kirkwood adopted a formal Waste Reduction Policy that lays out a plan to help meet that goal through reducing waste upfront, reusing materials and a strong recycling program.
- **Bottle Refill Stations** - Kirkwood provides water bottle refill stations throughout campus, which helps reduce the number of single use water bottles consumed on campus.
- **Paper Use Reduction** - Online course management systems reduce printing and while not mandatory, the increasing use of digital textbooks helps reduce paper use. In addition, paper usage is further reduced through the use of duplex printing; all printers/copiers are set to print on both sides of the sheet of paper by default.
- **Food Scrap Composting** - Food scraps from the Hotel, Culinary Arts Program, and the cafeteria are composted through Green RU. Textbooks - Unwanted textbooks are collected in a receptacle outside the campus bookstore for One Planet Books. These books are shredded and recycled as products such as paper towels and napkins.
- **Energy Policy** - Kirkwood adopted an energy policy in 2007. The policy addresses energy use and conversation in a variety of ways, from determining the temperature set points, to specifying energy efficient appliances and many other cost saving initiatives. Using indoor climate control, universal temperature presets are 68 degrees in the winter. The use of space heaters is not permitted.
- **Energy Management Control System** - The software based system controls equipment and lighting, and allows the College to effectively peak shave during periods of high demand by shutting down HVAC for 10 minute intervals. The system also allows universal temperature controls and off hour temperature setbacks.
- **Green building construction and renovations** - New construction and renovations are designed and built to minimize energy use. As an example, Kirkwood recently received a rebate of \$412,330 from Alliant Energy for the design and renovation of Linn Hall.
- **Geothermal heating and cooling** - Geothermal system, use the constant temperature of the earth to moderate building temperatures. Kirkwood currently has 710,000 square feet of geothermal systems with an additional 100,000 under construction.

- **Ice storage system** - At the Kirkwood Hotel, large vats of ice freeze during the night when electricity costs (and demands) are low. During the daytime, the ice is melted as a means to cool the hotel. This reduces the number of chillers needed from six - seven to two - three.
- **Occupancy Sensors** - Used in the hotel, these sensors turn on lights only when people are present.
- **Efficient Lighting** - All new building renovations, additions, and construction use energy efficient lighting. This includes LED lighting at Linn Hall, Johnson Hall, and the Iowa Equestrian Center.
- **Electrical Vehicle Charging Stations** - Kirkwood has added EV charging stations, including at the Hotel for guests with electric cars that need charging.
- **Local Food Production** - Some food produced on site is used in dishes at the Class Act Restaurant at the Hotel, in the Culinary Arts program, and the cafeteria. The local production reduces the carbon footprint compared to food that has been shipped long distances.
- **2.5 mW Wind Turbine** - In 2011, Kirkwood constructed a 2.5 mW win turbine that provides an estimated 5,600,000 kWh of clean renewable electricity to campus. The turbine also serves as an educational tool to both Kirkwood students and to the community. The Energy Production and Distribution Technologies program teaches students about complex mechanical/electrical systems, including megawatt windmills, steam driven turbines and solar fields that turn sunlight into electricity. Students assemble, disassemble and troubleshoot parts and systems of a real 2.5-megawatt wind turbine. Students gain valuable hands-on experience with major components such as the four generators, hub, gear box, nacelle and other parts.

Identify your institutions energy-efficient facilities and practices, ecologically beneficial uses of grounds, and methods of disposal for solid and hazardous wastes.

Kirkwood received the Governor's Award in 2012 for its Commingled Recycling Program. The commingled program was launched on campus starting in the fall of 2011 semester. Grants from the Iowa DNR Swap program and Cedar Rapids/Linn County Solid Waste Agency helped fund the purchase of a compactor dumpster and large collection bins. Bins are plentiful and well-marked with clear signage.

Kirkwood Commingles aims to make recycling easy for students and employees by accepting all recycling materials in a single bin, all over the Cedar Rapids Campus. Between October 15, 2011 and January 15, 2012, the Kirkwood community diverted more than 26 tons (52,320 lbs.) of material from the landfill. This included paper, plastics, cardboard, and other acceptable materials. Not only is this good for the environment and the community, but it helps keep our Kirkwood campus cleaner and saves money.

Electronic Waste - All reusable equipment is sold as-is to the general public and students. Midwest Electronic Recovery (MER) recycles equipment that can no longer be used. MER guarantees that all materials stay within the US and virtually no equipment end up in the landfill. Tree Campus USA - The National Arbor Day Foundation has recognized Kirkwood as a Tree Campus USA for its extensive tree planting efforts.

Ice Management - Kirkwood has reduced the use of salt to treat ice on campus through snow brooms and the use of organic compounds such as beet juice to improve walkway and stairway maintenance. In addition to the environmental benefits of minimizing salt use, mixing the organic compounds with the salt results in a material that is effective in much colder temperatures and reduces the amount of material needed per unit area treated.

College - Pillar 2 Improving the Health and Wellness of Students and Staff

Describe how your college or university improves the health and wellness of students, faculty and staff by integrating a campus-wide environmental health program and promoting sound health and wellness practices.

Discuss integrated pest management, contaminant controls and ventilation, asthma controls, indoor air quality, moisture control, and chemical management. Address the amount and type of outdoor time that your students and staff have, as well as the types of fresh, local, and organic food that they eat. Other components you may want to include are: health education, health services, counseling, psychological and social services, staff health promotion and family and community involvement.

- Recreation Center – Kirkwood invites all students, employees and retirees to use the recreation center for free. The Michael J Gould Recreation Center features three full-size basketball courts, a 200-meter walking and jogging track, and more. A variety of fitness classes are offered daily to Kirkwood credit students and employees and no registration is needed. Many wellness programs are offered throughout the year. Most programs require registration to reserve a spot and may have a small cost. Intramurals are a great way to experience team building and camaraderie while meeting other students and employees on campus.
- Kirkwood is a certified Blue Zone worksite <http://www.kirkwood.edu/bluezones>. Blue Zone is a program to enhance a person's life as well as the life of their community. Many residents living in Blue Zone areas share nine healthy lifestyle habits that help them live longer, healthier, happier lives.
- Kirkwood is a Certified Green Cleaning School by Green Seal, the only independent third party organization certifying green cleaning. - Kirkwood has been awarded “Green Cleaning Gold Status and is green cleaning Certified. By utilizing environmental preferred products and formulas reduces risk, improves indoor air quality, conserves resources, and reduces the negative effects on the environment.
- Employee Assistance Program - Full time employees receive free short term counseling to assist employees and their families with issues that may affect their work or personal lives.
- Counseling Services - Kirkwood provides a variety of counseling services including online screening, personal counseling, educational counseling, career counseling, or other services. Additional information is available at <http://www.kirkwood.edu/counseling>

College - Pillar 3 Providing Effective Sustainability Education

Describe how your college or university provides effective environmental and sustainability education by incorporating STEM, civic skills, and green career pathways.

Provide examples of interdisciplinary learning about the key relationships between dynamic environmental, energy, and human systems. Demonstrate how your institution uses the environment and sustainability to develop STEM content, knowledge, and thinking skills. You should also discuss how your institution develops and applies civic knowledge and skills to environmental and sustainability education.

- 2.5 mW Wind Turbine - In 2011, Kirkwood constructed a 2.5 mW win turbine that provides an estimated 5,600,000 kWh of clean renewable electricity to campus. The turbine also serves as an educational tool to both Kirkwood students and to the community. The Energy Production and Distribution Technologies program teaches students about complex mechanical/electrical systems, including megawatt windmills, steam driven turbines and solar fields that turn sunlight into electricity. Students assemble, disassemble

and troubleshoot parts and systems of a real 2.5-megawatt wind turbine. Students gain valuable hands-on experience with major components such as the four generators, hub, gear box, nacelle and other parts. Additional information is available at <http://www.kirkwood.edu/industrialtech> or <http://www.kirkwood.edu/site/index.php?p=23869>

- In Kirkwood's Science Technology, Engineering & Mathematics (STEM) courses, students learn to observe, collect data, experiment, communicate results, and then apply those skills to solve specific problems related to science, economics, business and many other disciplines. Additional information is available at <http://www.kirkwood.edu/site/index.php?p=32221>
- Watershed Management - Through Kirkwood's Horticulture program, the college has developed berms and reestablished native prairies.
- Agricultural Tech - Every student studying agriculture learns herbicide and chemical management, manure management etc.
- Automotive Tech - This initiative includes a class "Hybrid Electric Fundamentals"
- Construction - Sustainable construction science provides an understanding of building science theory and applications in residential and commercial construction. Sustainable design issues such as climate, environment, durability, air and moisture transfer are discussed.
- Department of Ag - Soil conservation concepts are covered in applicable areas with the Department of Agriculture
- Energy Production and Distribution Technologies Program - the Industrial Technologies School caters to students pursuing careers as wind turbine maintenance and repair technicians. The college has installed and actual wind turbine nacelle and internal components at Jones Hall to facilitate training.
- Ethics - Introduction to Ethics includes environmental components. An entire class is devoted to the concept of Environmental Ethics.
- Horticulture Program - Sustainable Site Management covers the latest topics in environmentally sound landscape practices. Introduces green building on site water management strategies and habitat preservation.
- Landscape Construction and Design - Addresses trends in sustainability and landscape maintenance, such as the "Sustainable Site Management" class, including soil and water management with Rainscaping Iowa's rainwater management certificate program.
- Mechanics - Diesel Fuel Systems includes learning emissions control and how an emissions-heavy industry is switching to new clean technology.
- Natural Resources/Forestry - 1. Rainwater Harvesting Systems examines how to integrate rainwater harvesting systems into site planning and design, as well as how to install, maintain, and maximize the potential benefits of sustainable practice. 2. Rain Gardens and Bio-retention Cells addresses the use of rain gardens and bio retention cells for storm water quality management and landscape beautification. Focuses in integrating rain gardens and bio retention cells into site planning and design, as well as installing and maintaining Iowa landscapes.
- Parks and Natural Resources - Includes "Plants of the Wild" which introduces many native woodland and prairie species. Includes "Soil and Water Conservation.