

# **The Illinois Community College Sustainability Network (ICCSN)**

**State-Wide Advisory Council  
May 14, 2009**

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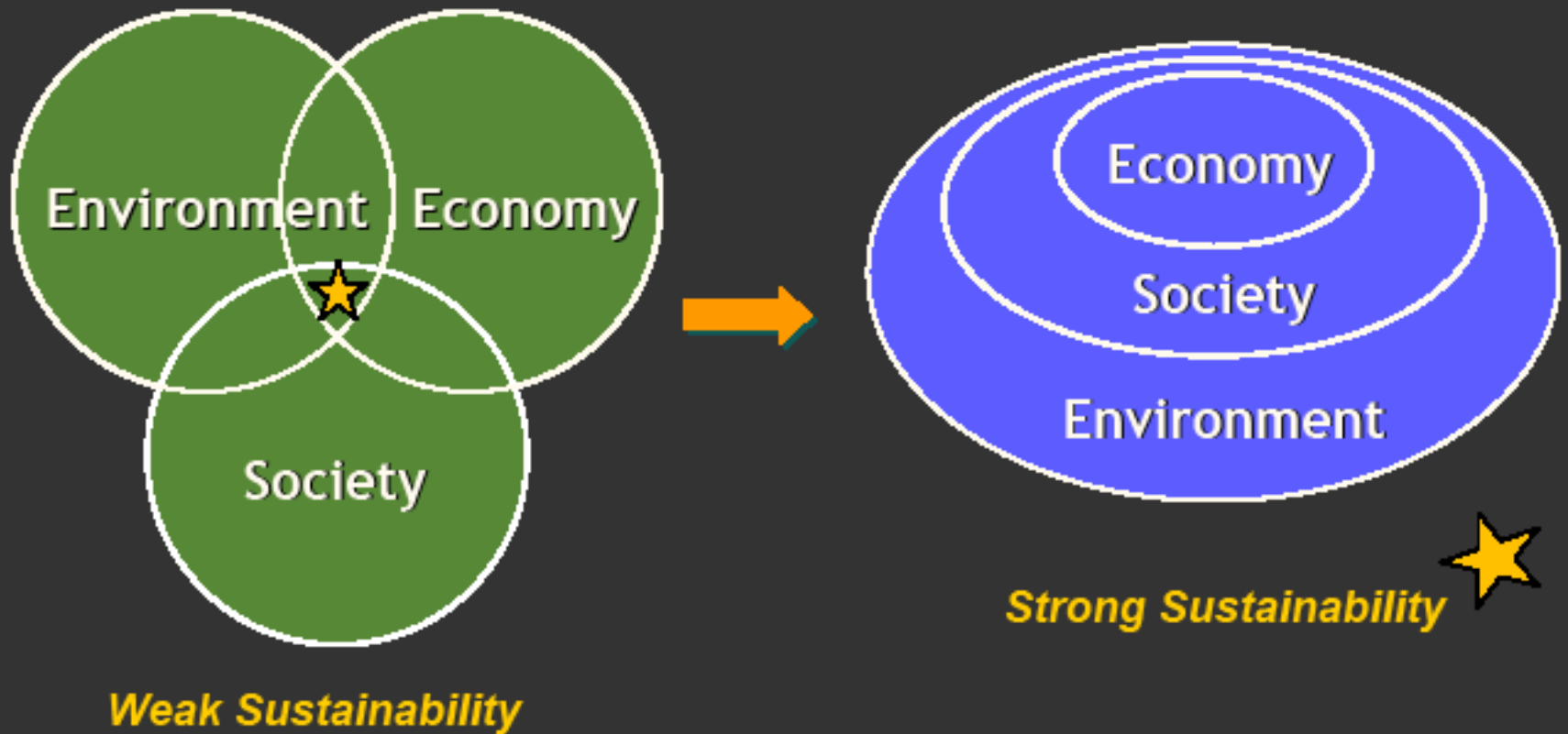
Made possible in part by a partnership with the  
Illinois Department of Commerce and Economic Opportunity -  
Bureau of Energy and Recycling  
( DCEO Energy and Recycling )

Sustainability  
is often defined as:

“meeting the needs of the present  
without compromising the ability  
of  
future generations to  
meet their own needs”

Brundtland Commission, *World Commission on Env. and Development*.  
(1987). *Our Common Future*. England: Oxford University Press.

# Triple Bottom Line



Source: Maureen Hart—Sustainable Measures

“[Community Colleges] are the fulcrum on which this whole transition is going to be made.”

(Van Jones, Opening Address, the National Council for Workforce Education, Oct. 19, 2008)

## “Community Colleges—a great and undervalued asset”

“Adults of all ages need opportunities to earn new degrees and new skills, especially in the current economic environment. That means working with all our universities and schools, including community colleges—a great and undervalued asset—to prepare workers for good jobs in high-growth industries, and to improve access to job training not only for young people who are just starting their careers, but for older workers who need new skills to change careers”.

(REMARKS BY THE PRESIDENT TO THE HISPANIC CHAMBER OF COMMERCE ON A COMPLETE AND COMPETITIVE AMERICAN EDUCATION March 10, 2009)

# ICCSN MISSION

Strengthen the capacity of  
Illinois community colleges  
to promote and provide  
energy education and  
sustainable practices  
in their districts and across Illinois.

# The Goals of the Project

- Establish network of local energy information resources -- Sustainability Centers ([www.ILCCSN.org](http://www.ILCCSN.org))
- Through centers, provide energy education for area residents, small businesses, agencies, and corporations
- Develop the workforce (green jobs education) for the new energy economy.



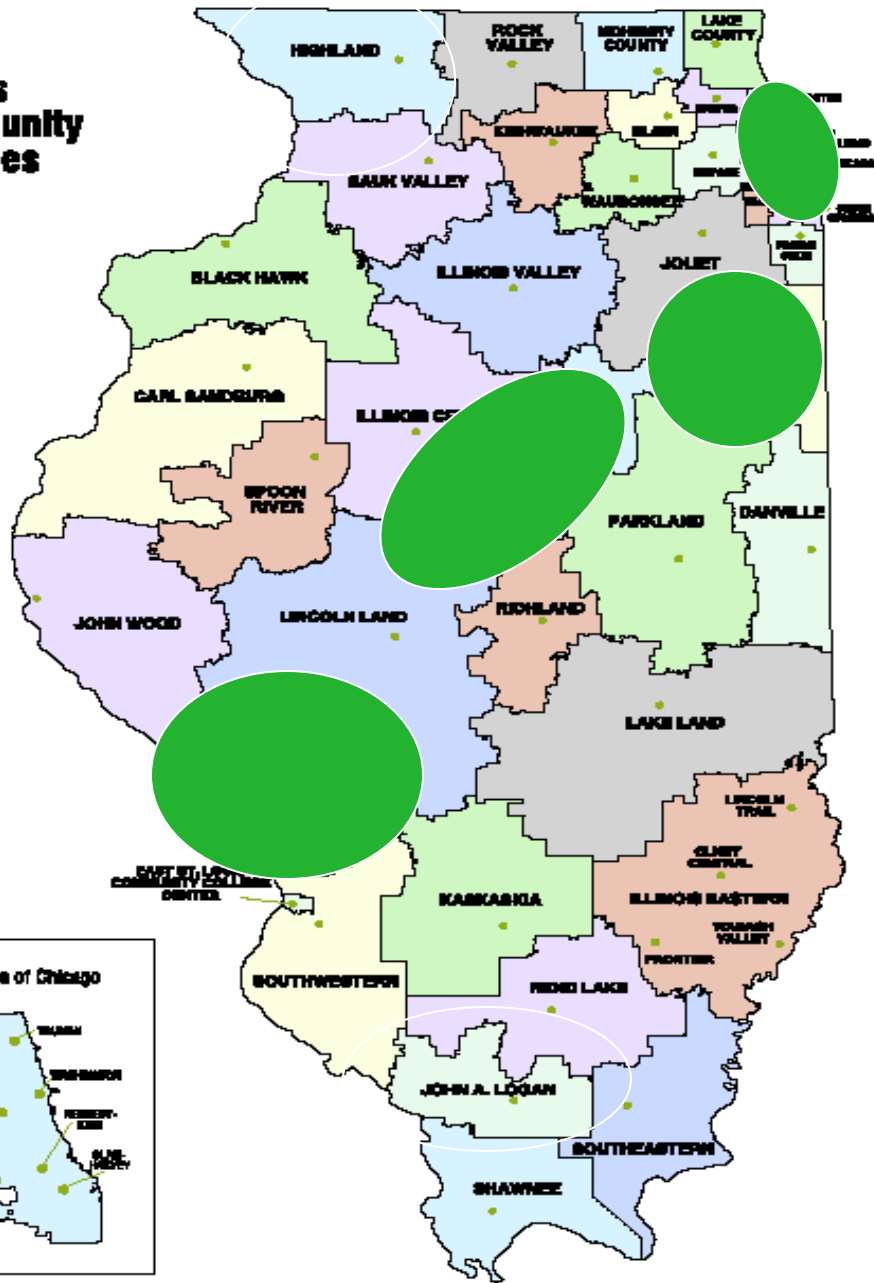
# The Goals of the Project (cont.)

- Incorporate sustainability campus-wide in facilities, processes, and curriculum.
- Share workshops, seminars, curricula, and best practices across the network.
- Replicate the project state-wide.

# The Illinois Community College Sustainability Network State-Wide Advisory Council

- Chris Casey, The American Institute of Architects-IL Council , Springfield
- Jim Coates, International Union of Operating Engineers, Chicago
- Paige Finnegan, The LEED Council, Chicago
- John Freitag, Assoc. of IL Electric Cooperatives, Springfield
- Mark Harrison, ILHomeBuilders Assoc., Springfield
- Brian Kumer, IL Assoc. of Energy Raters
- Christina Pagnusat/James Pena, Midwest Energy Efficiency Alliance(MEEA), Chicago
- Kay Pangle, I-Kan ROE #32, Kankakee
- Mike Waldinger, The American Institute of Architects-IL Council, Springfield
- Doug Widener, Chicago Chapter.US Green Builders Assoc., Chicago

# Illinois Community Colleges



# ILLINOIS COMMUNITY COLLEGE DISTRICTS





**The Illinois Community College Sustainability Network (ICCSN) is dedicated to**

- rapidly address the new energy economy's needs for a green jobs workforce and for widespread deployment of energy efficiency and energy conservation to the main street community level;
- strengthen Illinois community colleges' capacity to share resources state-wide that provide and promote energy education and sustainable practices;
- model renewable energy technology on community college campuses; and,
- establish Illinois as a national leader in training the green collar workforce for renewable energy technology and energy conservation.



**Current Initiatives**

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**Member Institutions**

- [Heartland Community College \(Bloomington\)](#)
  - [Kankakee Community College \(Kankakee\)](#)
  - [College of Lake County \(Grayslake\)](#)
- [More Member Colleges ▶](#)

**Learn More and Get Involved**

- [Green for All](#)
  - [Association for the Advancement of Sustainability in Higher Education \(AASHE\)](#)
  - [Presidents Climate Commitment](#)
- [More Member Colleges ▶](#)

- Black Hawk College (Moline)
- Carl Sandburg College (Galesburg)
- City Colleges of Chicago (Chicago)
- College of DuPage (Glen Ellyn)
- College of Lake County (Grayslake)
- Danville Area Community College (Danville)
- Elgin Community College (Elgin)
- Frontier Community College (Fairfield)
- Harold Washington College (Chicago)
- Harry S. Truman College (Chicago)
- Heartland Community College (Bloomington)
- Highland Community College (Freeport)
- Illinois Central College (East Peoria)
- Illinois Eastern Community Colleges
- Illinois Valley Community College (Oglesby)
- John A. Logan College (Carterville)
- John Wood Community College (Quincy)
- Joliet Junior College (Joliet)
- Kankakee Community College (Kankakee)



- Sustainability Center
- Sustainability Committees
- Sustainability Events
- IL Community College Sustainability Network
- Sustainability Resources

### Sustainability Initiatives at KCC

#### Sustainability Week: April 20 to 24.

Go to the [Sustainability events page](#) for details. Download a [flier](#) with a synopsis of events.

#### Strategic Plan

One of the six priorities of the Kankakee Community College Strategic Plan (2009-2013) is to promote sustainability initiatives as a distinct objective for the college. The Strategic Sustainability Plan integrates sustainable initiatives into KCC's wider strategic priorities.

#### KCC's sustainability vision:

KCC will be a model of sustainability for District 520 for



# SUSTAINABILITY CENTER





# The Pregracke Center

HONORING ENVIRONMENTAL EXCELLENCE

What began as a childhood playground became  
Clay Pregracke's life. The river, his father, his  
love for the river to harvest materials. Over time his  
relationship with the Mississippi River grew, as  
did his awareness of its polluted waters and  
shores, and it became his personal mission to  
cleanse the river with his own hands, one pile  
of garbage at a time. Clay began a crusade to  
clean America's rivers.



# How Sustainability Centers will Operate

- Students, residents, business and industry representatives can seek information at the center, by email or phone.
- Center staff have expertise in sustainability, and will access the network for technical support.

# How Sustainability Centers will Operate (cont.)

- New workshops, printed materials, online resources are shared through the network as they become available.
- The Centers market workshops, courses and certifications, and assist with grants and applications for energy incentives from DCEO and the utility companies.

## Sample Curriculum (Credit)

- Building Operator Certification
- Sustainable Home Design
- Renewable Energy Site Assessor
- Home Energy Rating Systems
- Solar Photovoltaic Energy Technician
- Wind Power Technician
- Energy auditing

## Sample Workshops (Non-Credit)

- Energy Efficiency in Business
- Energy Efficiency Programs & Services (SEDAC)
- Saving on Your Home Electrical Bill
- Introduction to Energy Auditing
- Solar Domestic Hot Water Systems
- Sustainable Communities Solar Home Tour

# Progress to Date

- 9,358 Illinois residents involved, Goal 13,200
- Public School Outreach, 4,000
- Community Education, 3,000
- Renewable Energy/Commercial Building Construction  
2,400
- Homeowner Workshops, 2,000
- Green Collar Job Development, 1,200
- Business Training/Certificate Program for Energy  
Audits, 600

# Summary

- For the new needs of this century, community colleges are ideally suited to the challenge of spreading sustainable technology, and training the future employees in the new energy economy.

# Summary (continued)

- The ICCSN, as a collaborative effort, is eliminating the need for each college to build its own resources and green curricula from the ground up.





Bert Jacobson, Ph.D.

Dean of Sustainability and Planning

Project Director, ICCSN

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# Public School Outreach (4,000):

- WYCC-TV (City Colleges of Chicago network) Children's show on renewable energy
- Sustainability Festival for 5th graders, Ecology Action Center, Energy School for 5th graders, Nature Adventure camp for 10-12 year-olds
- Great Recycling Weigh-In Event, An urban agriculture cook book, A new energy component for the Seventh Annual Water Festival
- The Energy Bike Play for 4th thru 9th graders, The quarterly *Green Scene* insert in the "Newspapers for Education" program, Solar Energy programs via "Skype" webcam technology to regional K-12
- "*Greening the curriculum*" sustainability education for high school

# Community Education (3,000):

- Presentations to the Hispanic Business Expo 2008, Environmental Film Series, Tours of LEED certified buildings, Women in Business program
- *Green Means Business* (EPA), *The Taste of Sustainability* (Local Foods), “Sustainability Booth” staffed at community fairs, Sustainable Farms Tours, America Recycles Day, Reduce, Reuse, Recycle Free Flea Market, “What is a City: Sustainability in Urban Environments” Conference, “Ten Tips for a Greener Holiday”
- “Building a Sustainable Future: What You Need to Know,” Sustainability Expos, and Green Bag Lunches.

# Homeowners Workshops (2,000):

- Sustainable Farms tour , Solar Tours
- *Winterizing Your Home*
- *Saving Green Going Green*
- *Living Locally, Acting Globally* course
- Permaculture Courses
- *Composting and Leaf Management,*
- *Sustainable Lawns and Landscapes* course.
- *Alternative Fuels Week*

# Renewable Energy Seminars/Commercial Building Construction (2,400):

- Wind 101 seminar, Solar 101 seminar, SEDAC Energy Seminars, LEED workshop, Geothermal Workshop for Business, AAS Degree in Electrical Technology with a specialization in Renewable Energy Technology, Building Energy Technologies certificate program, *Fundamentals of Building Energy Technologies, Renewable and Alternative Energy Source, Commercial, Institutional, and high-Rise Energy System, Green Building: the Nuts + Bolts for Contractors* Workshop, Geoexchange 101 & 102 workshops for the building industry trades, Basic Photovoltaics course, Solar Domestic Hot Water Systems course, Introduction to Wind Systems course, Electronic Systems Technology degree with an option in Building Automation, Renewable Energy degree
- Construction Management degree, *Alcohol is a Gas* workshop, Energy Efficiency Programs and Services by SEDAC, Midstate Illinois Soil Erosion Sediment Control,
- National US Green Building Council (USGBC) workshop - *LEED for New Construction Technical Review*, and National USGBC workshop - *Green Building Operations and Maintenance: The LEED Implementation Process*.

# Green Jobs Development (1,200):

- Association for the Advancement of Sustainability in Higher Education (AASHE) Conference, Vendor Fair (Green Products), Chicagoland Green Collar Jobs Initiative, TechFest
- Abengoa Corn to Ethanol Process Operations Technology (PTEC) program, Auto Tech program: repair and maintenance of hybrid vehicles, Greening the Curriculum Education and Training (EDTR) faculty course, Survey of Renewable Energy course
- Solar Technician Training program, and Weatherization Training

# Business Training/Certificate

## Program for Energy Audits (600):

- *Occupational Home Energy Ratings Systems Rater Certification* course HERS, (RESNET) Adult Ed training and testing program, Energy audit certificate program in partnership with SEDAC, Building Professionals Association (BPA) energy audit certification program
- Refrigeration Handling Certification training course, Building Operator Certification (Level I) training course, Sustainable Energy Planning Workshop in partnership with Utilivate Technologies, Improving Home Performance workshop, Building Analyst Training workshop, GreenCorps
- *Variable Frequency Drives, Green Entrepreneurship* Workshop, and *Fundamentals of Building Energy Technology*.