

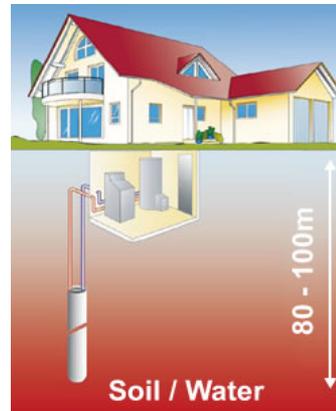
ALTERNATIVE ENERGY

**Nebraska Wind and Solar Conference
October 28-30, 2014**

**Bill Hitesman, Central Community College
Hastings Campus President and
College Vice President of
Business, Skilled and Technical Sciences,
and Health**

Alternative Energy Educational Consortium

Central Community College, Hastings College,
Hastings Public Schools, Hastings Catholic Schools, Adams
Central Schools, Educational Service Unit #9,
Metropolitan Community College, WasteCap Nebraska,
and Joslyn Institute for Sustainable Communities



Central Community College



3C Initiative

Central

COMMUNITY

COLLEGE

Green Today ... Greener Tomorrow

Sustainability Initiatives

- Number of Academic Quality Improvement Program (AQIP) Action Projects focused on sustainability including:
 - Hired a Sustainability Coordinator
 - Hired a Sustainability and Climate Action Plan Assistant
 - Monthly Sustainability Leadership Presentation Series (SLPS)
 - Student involvement/student interns
 - Curriculum
 - Landscaping
 - Composting/Waste Management

Sustainability Leadership Presentation Series

- Dr. Thomashow: “A Few Stories: Five Topics, Five Sessions about Sustainability
- Jordan Garfinkle: “Moving Forward: Personal Transportation and the Environment”
- Daniel Lawse: “The Efficiency-Choice Conundrum: Choose Your Future”
- CCC's 2013 AASHE conference representatives: “What We Learned: Understanding Sustainability from Different Employee Positions at Central Community College”

Sustainability Leadership Presentation Series

- Dr. Rowe: “The Good Life: Opportunities and Resources for You and Nebraska”
- Dr. Ring: “Nebraska on the Edge: How Climate Change Threatens Public Health”
- MCC Faculty & Staff: “MCC Accomplishments & Lessons Learned: Sustainability in the Classroom, Campus and Community”
- Steven Rodie: “Sustainable Water Use and Management in Urban and Rural Landscapes: Applications for Homeowners, Institutions and Communities”

Sustainability Leadership Presentation Series

- Dr. Ferdig: “The Art of Sustainability Leadership: Communication, Complexity and Change”
- Dan McGuire: “Wind and Renewable Energy: Nebraska's Growth Opportunity”
- Panel by Bill Moore, Jim Stark, Dr. Scott Williams; moderated by Chris Swanson: “Renewable & Clean Fuel Technologies: The Future of Transportation, Today”

Alternative Energy Training Center



- Trainers for
 - Geothermal
 - Solar
 - Wind

Solar Array Panels



Solar Panels

- The photovoltaic solar panels are a sign of the Merrick Building's new role as an Alternative Energy Training Center at Central Community College.
- Each panel has a built-in inverter and control system so it can be monitored individually. Half of the panels are mounted on a base that lets them track the sun. The other panels are fixed but can be adjusted for seasonal changes in the sun's position.
- The panels supply 17 kilowatts of power and help reduce the carbon footprint of the Hastings Campus. The panels were placed in front of the Merrick Building for easy ground-floor access, and are a learning tool and resource for CCC's students and staff.

Bluestem Energy Solutions



- Entered into agreement with Bluestem Energy Solutions to determine feasibility of providing wind turbine energy for the Hastings Campus of Central Community College.
- 1.5 to 1.7 MW wind turbine built to scale.



Questions?