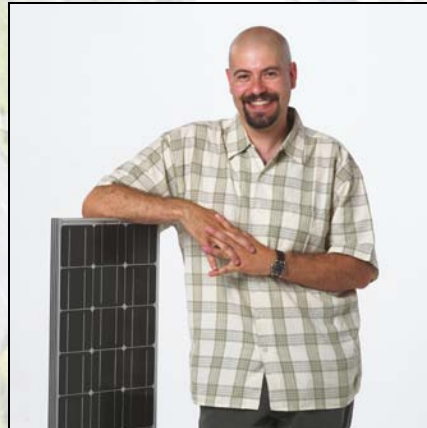




Roger Ebbage
Director
Northwest Water and Energy
Education Institute
at
Lane Community College
ebbager@lanecc.edu
1-800-769-9687

Northwest Water and Energy Education Institute at Lane Community College



Mission Statement:

“To be the Preferred Source of Cost-effective, Innovative, High-quality Energy Education Designed to Quickly Respond to Industry and Societal Trends”

1997 NEEI Business Plan

Northwest Water and Energy Education Institute

Lane Community College

Programs Include:


Two-year Degrees:

1. Energy Management (1980-88 /1992)
2. Renewable Energy Technology (2003)
ISPO Accredited.
3. Water Conservation Technician (2008)
4. Resource Conservation Management (2009)
5. Building Controls Technician (F2013)



Professional Development: Program Sustainability

1. The Building Operator's Certification (1998)
2. The Energy Management Certification (2000)
3. Residential Energy Auditor and Inspector Certification (2000)
4. Custom Training and Consultation
5. Solar Installer Apprenticeship Program

A photograph of a modern, multi-story building with a facade of light-colored vertical panels and large glass windows. The building is situated at a street corner. The text 'NORTHWEST COMMUNITY COLLEGE' is visible on the upper part of the building. Traffic lights and cars are visible in the foreground.

So what's new at the Northwest Water and Energy Education Institute?

- 1. New LEED Platinum Academic and Residential building in the Eugene downtown core.**
- 2. New Degree Option Controls Technician coming online Fall 2013**
- 3. Moving to a Newly Created Division – Institute for Sustainable Practices (ISP)**

New LEED Platinum Academic and Residential building in the Eugene downtown core.

Ground-source thermal wells.

This is a ground source heating system.

Pipe loops conduct water into and out of 55 wells under the buildings.

Each well is 350 feet deep.

Passive ventilation

The building is designed to take advantage of natural airflow and the natural property of concrete mass to warm up or cool down.

Rainwater Harvesting

Two 10,000 gallon holding tanks (cisterns) are buried under the west courtyard

Automated building control system

Low voltage electronic valves, pumps and sensors control the air temperature, ventilation and lighting in rooms. The system allows the temperature, ventilation and lights in each room to be controlled by preset program



New LEED Platinum Academic and Residential building in the Eugene downtown core.

Building that Teaches.

One of the goals this building is designed to address is to instruct people about its sustainable and energy efficient features. This instruction is carried out by five displays located with in the building.

The Energy Management Program uses the building a its learning lab!



New Degree Option Controls Technician Coming Online Fall 2013!

HVAC and Lighting Controls
Direct Digital Controls 1-2
Controls Troubleshooting

Moving to a Newly Created Division – Institute for Sustainable Practices (ISP)



Search

Institute for Sustainable Practices
Main

▼ About Us

What We Do

Accomplishments

History

Contacts

► News and Events

► Information for students

Information for Faculty

Sustainability Committee

Plans

Policies

Metrics and Data

Sustainable Practices:

-Transportation

-Food

-Energy

► -Water

-Recycling

About Us - What We Do

The Institute for Sustainable Practices works toward realizing Lane's [core value of sustainability](#).

Our work:

- Integrates practices that support and improve the health of systems that sustain life.
- Provides an interdisciplinary learning environment that builds understanding of sustainable ecological, social, and economic systems, concern for environmental justice, and the competence to act on such knowledge.
- Equips and encourages all students and staff to participate actively in building a socially diverse, just, and sustainable society, while cultivating connections to local, regional, and global communities.

The Institute works on improving sustainability in Lane's educational and operational practices.

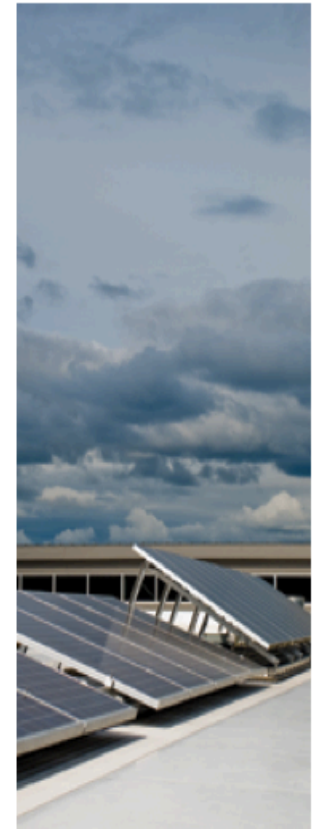
The Institute administers Lane's sustainability-focused two year degrees in:

- Energy Management
- Renewable Energy Technology
- Resource Conservation Management
- Water Conservation Technology
- Sustainability Coordinator

Education for sustainability projects also include working with faculty across the college to infuse sustainability into all curriculum and offering workshops, trainings, and conferences for students, employees, and the community.

Operational practices include:

- Administering the Recycling Education Center and the Learning Garden.
- Developing proposals and implementing energy and water conservation projects and renewable



Solar panels installed by Lane's Renewable Energy Technician students.