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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:
5. Building Controls Technician (F2013)

Professional Development: Program Sustainability
4. Custom Training and Consultation
5. Solar Installer Apprenticeship Program
So what's new at the Northwest Water and Energy Education Institute?

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 within the building.

The Energy Management Program uses the building as 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)
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