



Appalachian Energy Summit

APPALACHIAN STATE UNIVERSITY

2013 Summit Preview

Ged Moody

University Sustainability Director

Appalachian State University



July 17, 2013



“There are no passengers on spaceship earth, we are all crew” *Marshall McLuhan, 1965*

Appalachian Energy Summit

APPALACHIAN STATE UNIVERSITY

A transformational initiative guiding The University of North Carolina

"Imagine a University..."

Signatory Commitment

We the undersigned are committed to the goals of energy savings and charting the path of a sustainable energy future for the University of North Carolina. To commemorate this commitment and to enable our successes toward these goals, we agree to actively participate in the University of North Carolina's Energy Summit collaborative initiative. To this end, we have specifically identified the following activities that we agree to pursue on our campus and at the system level.

1. Active participation in the Energy Summit Initiative,
 - a. Encourage the engagement of students, faculty and staff in this collaborative effort.
 - b. Participate in the 2012 and 2013 Energy Summit Events at Appalachian State.
 - c. Participate in the ongoing working groups and related activities prior to the 2013 Summit.
2. Submit existing datasets relative to energy usage, energy expenditures, and energy planning documents to the N.C. State Energy Office and the Energy Summit Initiative.
3. Work to develop a campus-based energy management program.
4. Work to envision and develop a campus-based "stretch goal" for energy reduction for the year 2020.
5. Participate in the effort to develop a system-level "stretch goal" for energy reduction for the year 2020.
6. Participate in the identification and development of the regulatory and financial mechanisms necessary to meet the goals associated with large-scale energy savings.

Signed: _____

Printed: _____

Title: _____

University: _____

Date: _____

Thomas Ross!



Appalachian Energy Summit

APPALACHIAN STATE UNIVERSITY
**University of North Carolina
 Energy Leadership Challenge**
 July 17 - 19, 2013

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Anticipatory 2013 Appalachian Energy Summit

The 2013 Appalachian Energy Summit will take place **July 17-19, 2013** on the campus of Appalachian State University in Boone, a beautiful place to be during the North Carolina summer. The general public is graciously encouraged to attend a public keynote presentation on Wednesday July 17 at 7pm. For 2013, we will carefully add select industry experts in hopes of building connections that truly enable this transformation while adding to our vibrant regional economies.

Over three days, summit participants will learn from a series of plenary presentations, experience panel discussions featuring industry experts, and work together in a series of breakout sessions designed to both inspire and organize our future collaborative efforts.

The Appalachian Energy Summit is the annual gathering of the University of North Carolina Energy Leadership Challenge. Through this initiative, campus leaders from across higher education in North Carolina share goals to reduce energy expenditures, transform energy utilization and reduce the environmental impacts of both higher education and the state.



2012 Campus Successes



Important Documents



2013 Leadership Agenda



Breakout Groups



2013 Speakers



Registration and Logistics



Things To Do



Student Abstracts



Greening of the Summit



NEW University Data

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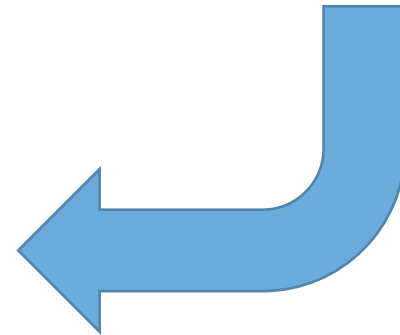
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Stand and be Recognized

greening the Appalachian Energy Summit

APPALACHIAN STATE UNIVERSITY

No Handouts, no conference schwag!

Local Food Content

The Appalachian Energy Summit is
A Carbon Neutral Event
Thanks: Shift Equity and NC GreenPower



A Zero-Waste Event
**requires your cooperation*

The Student Union is
Highly Energy and Water efficient

T h a n k

Y O U

i have **WANTED**
to SHOW you this
for the last 14 months.

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“hi neighbor, welcome again to this neighborhood.”

leadership luncheon session



“hi neighbor, welcome again to this neighborhood.”

leadership luncheon session



“do you ever imagine things?”

tonight's keynote address



two leaders who need no introduction.

their storied focus on environmental and energy issues is apparent to anyone who knows them, or has the Internet.

“so many people who can help us learn”

featured speakers



Anthony Cortese
*Senior Fellow,
Second Nature*



Roger M. Natsuhara
*Assistant Secretary
of the Navy*



Joseph Bathanti
*North Carolina's
Poet Laureate*

3 men whose service to their passion, their country,
and to others should not go unnoticed.

“some can do some things, some can do others”

panel discussions

Student Panel : Thursday

- *(m) Allison Sims, Appalachian State*
- *Caroline Hansley – NC State*
- *Derek Strong – UNC Greensboro*
- *Linda Toth – Appalachian State*
- *Ray Atkinson – UNC Charlotte*
- *Doug Stiegler – UNC Chapel Hill*

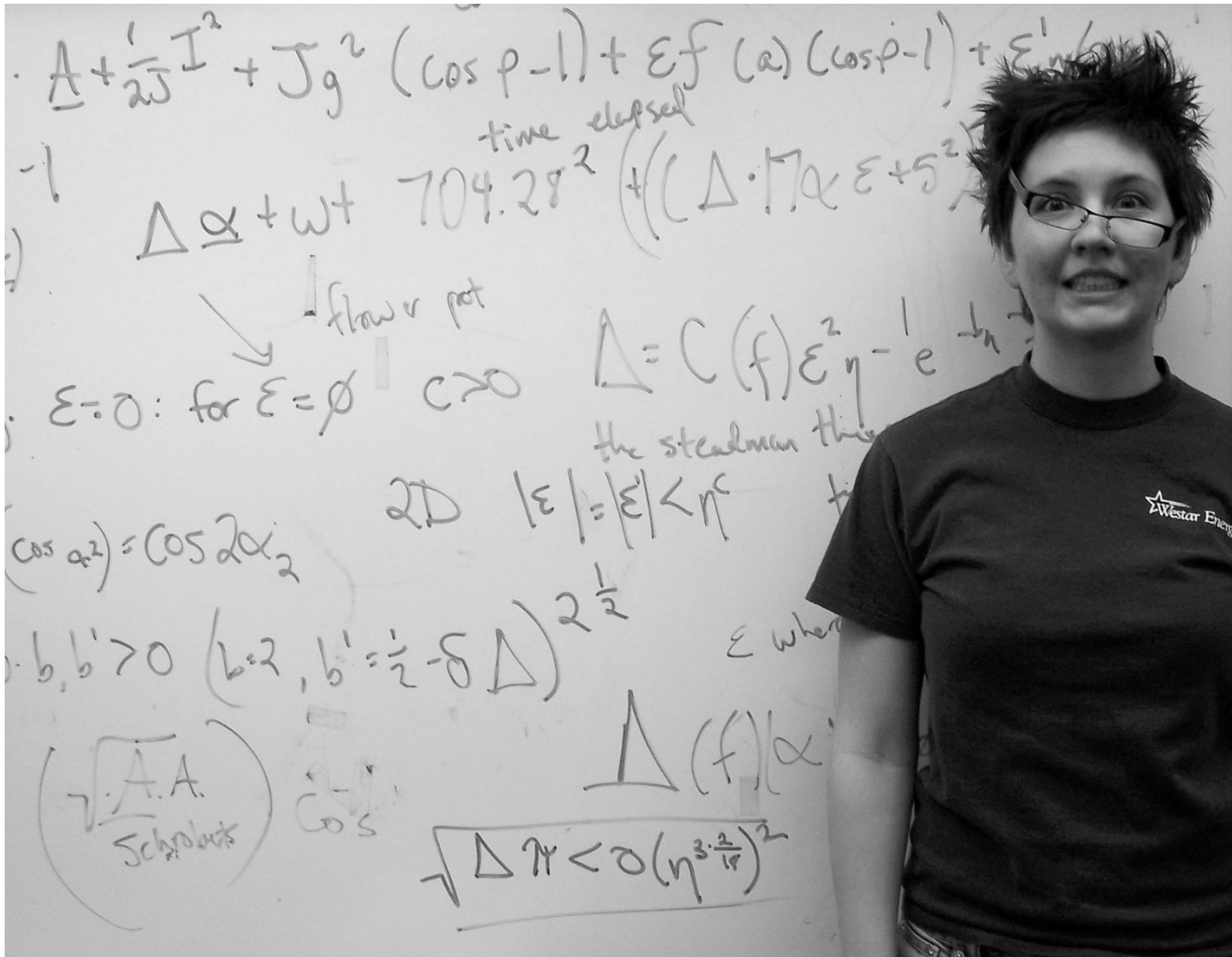


Industry Panel : Friday

- *(m) Joe Christie, Pepco Energy Services*
- *General Electric – Gary Steinberg*
- *Johnson Controls – Clay Nesler*
- *Celtic Energy – Chris Halpin*
- *Cree, Inc. - Greg Merrit*

“it’s good to be curious”

student research : poster competition



“you can grow ideas in the garden of your mind”

working group breakout sessions : peer-based

1. Campus-Based Energy Efficiency

Energy Managers

2. High Performance Campus Design

Design & Construction/Campus Architects

3. Academic Integration

Sustainability Directors + Academic Leader

4. Transportation-Oriented Opportunities

Transportation Managers

5. Finance, Regulatory, and Energy Generation

Senior Facility Officers & State Energy Office

6. Student Leadership and Engagement

Student Leaders from Across the UNC System

”there are so many things to learn about in this world”

solutions-oriented breakout sessions

- 1. Designing and Constructing a Net-Zero Energy Building**
- 2. Understanding Renewable Energy System Partnering and Finance**
- 3. Creating and Managing an Energy Savings Performance Contract**
- 4. Legislative Consensus Building for Creating Effective Energy Related Policy**
- 5. Utilizing Energy Performance Data in Campus Communications and Building Automation**
- 6. Integrating Sustainability and Energy with the Academy**
- 7. Smart Grid and Your Campus**
- 8. Developing Efficient and Sustainable Transportation Infrastructure, Policies, and Processes**
- 9. Solar Decathlon Europe 2014: An Energy-Plus, Mixed-use, Campus Housing Case Study**

“Imagine every person that you see,
is somewhat different than every other person in the world.”

network



“All you have to do is think,
and they’ll grow.”



Have fun.
With much gratitude,
Appalachian Energy Summit