

Appalachian Energy Summit

APPALACHIAN STATE UNIVERSITY

July 18-20, 2016: Boone, North Carolina

The 5th annual gathering of the University of North Carolina Energy Leadership Challenge

2016 SUMMIT OVERVIEW

The 2016 Appalachian Energy Summit (AES) is the 5th annual gathering of sustainable energy leadership from UNC's 17 campuses and many other institutions from across the country. This one-of-a-kind event convenes academia and industry in a transformational effort that delivers meaningful ecological, economic and social benefits.

knowledge. FUN MOUNTAINS global
climate scholarship future together SOLAR SAVINGS ZERO
music stewardship WASTE
national collaboration. faculty
STUDENTS local food environment PRESENT PARTNERS
friends industry sustain action.
policy RESEARCH jobs renewable

The Summit's 2016 theme, "**Knowledge. Collaboration. Action.**" speaks to the **knowledge** we possess as a collective, the **collaborative** opportunities that exist between higher education and our valued business partners, and ultimately, the sense of urgency and **action** we all must embrace in this important work and its broad, meaningful goals.



1,000+ gathered for the 2015 Keynote Presentation.

The Opportunities: The UNC System is a committed steward of the natural environment through sustainable fiscal and social actions. Over the past four years, in times of limited budgets and environmental challenges, the Appalachian Energy Summit has provided a platform through which UNC campuses together with industry partners have avoided over \$400 million dollars in utility costs, representing almost 9 billion pounds of CO_{2e} emissions. The UNC System spends an estimated \$225 million per year on utilities, or ~\$1,000 per student.

We are proud to report that we are on track to save the state of NC \$2 billion by the year 2025.

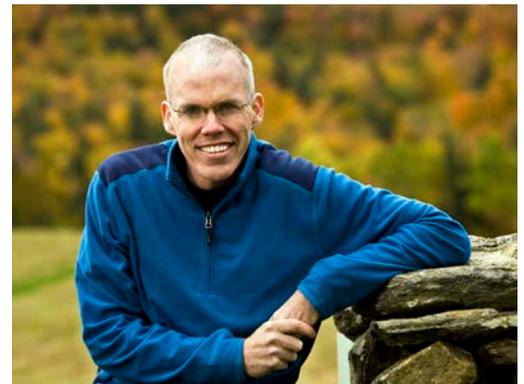
Overall Objectives: Embraced by UNC's General Administration as a system-wide initiative, our objectives are to:

- Create a culture of environmental and economic sustainability;
- Educate our students to be leaders of tomorrow;
- Reduce and stabilize the UNC system's average annual energy expenditures;
- Transform and stimulate the North Carolina economy;
- Position our colleagues in the UNC system and private universities as national leaders.

Energy Summit Framework: The 2016 Summit features dynamic environmentalist Bill McKibben, along with Amory Lovins, Chief Scientist of Rocky Mountain Institute and Dr. David Orr of Oberlin College. The core asset of the Summit are our attendees, true participants aligned in one of the greatest challenges of our time. Active participation makes possible the collegiality and dialogue occurring among our diverse audience. As we grow and expand, our 2016 goal is to engage 500 participants.

The higher education participants include:

- University Chancellors, Provosts and Finance Officers;
- Active faculty members from across all related disciplines;
- Sustainability, Physical Plant, and Design & Construction leaders;
- Energy Management and Transportation professionals;
- Students from across all disciplines and all of our diverse campuses.



The dynamic Bill McKibben, our 2016 Keynote.

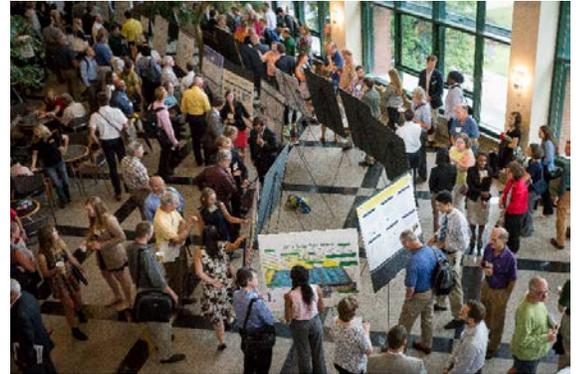
“As a student, the Appalachian Energy Summit inspired me to alter my career path, to share this newfound knowledge with others, and to work for meaningful change on my home campus.”

The Working Group Model: When over 450 professionals of this caliber gather, lasting connections and rich conversations ensue. However, great things do not always occur in big meetings, so during the course of the Summit, we group attendees into smaller teams based on skill sets, interests, and job responsibilities. Beyond the three-day event, we facilitate year-round collaboration, enabling the six Working Groups to deliver on the innovation inspired at the Summit.

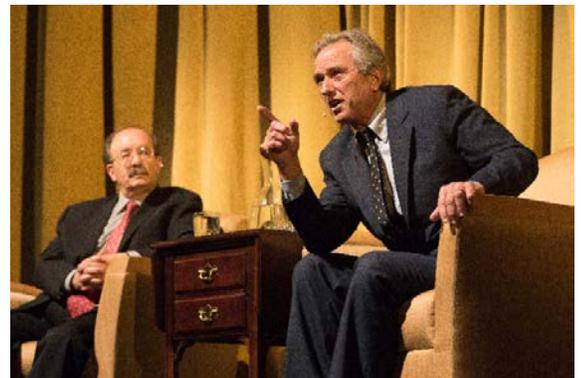
Listed below are the Working Groups, and the peer classifications that anchor each of these specialized teams:

- Academic Integration: Academic and Faculty Leaders;
- Campus Based Energy Efficiency: Energy Managers;
- Finance, Regulatory, and Energy Generation: Senior Facilities Officers;
- High Performance Campus Design: Design and Construction Leaders;
- Transportation Opportunities: Transportation Managers;
- Student Leadership and Engagement: Select Student Leaders.

Business Partner Engagement: Only select industry partners with the ability to positively affect higher education’s efficiency and clean energy economy are invited to attend the Summit and contribute to the content. Our industry guests help create the Summit’s collaborative environment through their interactions with this robust group of UNC decision makers and by engaging with our students, who represent the brightest minds our campuses have to offer. Carefully limiting industry involvement contributes to sense of partnership and collaboration among all participants.



Knowledge transfer at the student poster competition.



Amory Lovins and Robert F. Kennedy Jr. address 2015 Summit attendees.

The 2016 Appalachian Energy Summit: July 18 – 20, 2016



A series of plenary presentations, experience panel discussions featuring industry experts, and work together in breakout sessions designed to both organize and inspire our future collaborative efforts. Connecting academia and students with the public and private sectors is essential to meeting our important common goals. Please consider being a part of our collective efforts in 2016 and beyond.

To learn more about how to participate, visit our web site.

sustain.appstate.edu/energy-summit

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