

# Appalachian Energy Summit

APPALACHIAN STATE UNIVERSITY

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

**Appalachian State University**  
**Boone, North Carolina**  
**July 18-20, 2016**  
**Full Program Agenda**



## Monday, July 18, 2016

<b>12:00 pm – 2:30 pm</b>	<b>Leadership Luncheon</b> ( <i>Invitation Only</i> )	<b>Plemmons Student Union, Parkway Ballroom #420</b>
<b>12:00 pm – 11:00 pm</b>	<b>Registration &amp; Check-in</b> <ul style="list-style-type: none"><li>12:00-2:30 and 6:00-11:00</li><li>1:45-2:45</li><li>12:00-2:30</li></ul>	<b>Various Locations</b> Mountaineer Residence Hall Schaefer Center for the Performing Arts Student Poster Set-Up: Student Union Solarium
<b>3:00 pm – 4:50 pm</b>	<b>Opening Session</b> <ul style="list-style-type: none"><li>Welcome to Appalachian</li><li>Greetings: 5-Year Perspective</li><li>General Administration Update; Sustainable Architecture Insights</li><li>Campus Initiative Highlights</li><li>The Future of Everything</li><li>Why We Are Here</li><li>The Future Is Bright</li><li>Student Highlight: The Hydro-electric Power Industry in Zambia &amp; the Impacts of Climate Change</li><li>Logistics &amp; Next Steps</li></ul>	<b>Schaefer Center for the Performing Arts</b> Sue Edwards, Interim Vice Provost for Faculty Affairs, Appalachian Bob Powell, Professor, NC A&T Will Johnson, Associate Vice President for Finance and Capital Planning, UNC General Administration Mike O'Connor, Physical Plant Director, Appalachian David Goswick, CEO, Houze Ged Moody, Special Assistant to the Chancellor for Sustainability, Appalachian Cyndie Olsen, Student Summit Coordinator, Appalachian, BS, Class of 2019 Michael Chiseni, UNC Charlotte, MS, Class of 2016
<b>5:15 pm – 7:00 pm</b>	<b>Reception &amp; Networking</b> <ul style="list-style-type: none"><li>Host Sponsor Message</li><li>Drinks &amp; heavy hors d'oeuvres</li></ul>	<b>Holmes Convocation Center</b> Joe Christie, Senior Manager Distributed Energy, Constellation Energy Music by Todd Wright & Friends (Jazz)
<b>7:30 pm – 9:00 pm</b>	<b>Keynote Address</b> ( <i>Open to the Public</i> ) <ul style="list-style-type: none"><li>Welcome</li><li>Wild Turkey Award Presentation</li><li>Acceptance: AES 5-Year Reflection</li><li>Keynote Introduction</li><li>Keynote Presentation</li><li>Armchair Discussion: Amory Lovins &amp; Bill McKibben</li><li>Thank you and Goodnight</li></ul>	<b>Schaefer Center for the Performing Arts</b> Sheri Everts, Chancellor, Appalachian Ged Moody, Special Assistant to the Chancellor for Sustainability, Appalachian Amory Lovins, Chief Scientist, Rocky Mountain Institute Darrell Kruger, Provost, Appalachian Bill McKibben Moderated by Jeff Ramsdell, Professor and Director of the Appalachian Energy Center, Appalachian Sue Edwards, Interim Vice Provost for Faculty Affairs, Appalachian

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**Tuesday, July 19, 2016**

<b>7:00 am – 8:15 am</b>	<b>Breakfast</b>	<b>Plemmons Student Union, Parkway Ballroom #420</b>
<b>8:45 am – 12:15 pm</b>	<b>Plenary Session</b>	<b>Schaefer Center for the Performing Arts</b>
	<ul style="list-style-type: none"> <li>• Welcome / Reflection</li> <li>• Speaker Introduction</li> <li>• Customers as Drivers of Utility Transformation</li> <li>• Student Highlight: Energy Scavenging: Small Steps, Big Impacts</li> <li>• Independent Power: An Alternative to the Status Quo</li> <li>• Networking Break</li> <li>• Somatic Sustainability Lives by Beauty</li> <li>• University Energy &amp; Recycling Data Update</li> <li>• The Race to Zero: UNC Chapel Hill's "Three Zeros" Energy &amp; Environmental Plan</li> <li>• Student Highlight: Green Office Certification: The Power of People</li> <li>• The Working Groups Concept</li> <li>• Poster Session Logistics / Overview</li> <li>• Logistics &amp; Adjourn</li> </ul>	<p>Mary-Ann Ibeziako, Director of the Dept. of Engineering &amp; Energy, University of MD</p> <p>Sue Edwards, Interim Vice Provost for Faculty Affairs, Appalachian</p> <p>Karl R. Rábago, Executive Director, Pace Energy &amp; Climate Center, Elisabeth Haub School of Law</p> <p>Hanan "Alex" Hsain, NC State, BS, Class of 2018</p> <p>Mike Bradley, Senior Vice President, NTE Energy</p> <p>All</p> <p>Marianne Adams (Lead Dancer), Professor, Appalachian</p> <p>Robert J. Falvo (Percussion), Professor, Appalachian</p> <p>Len Hoey, Engineering Manager, NC Dept. of Environmental Quality</p> <p>Sandy Skolochenko, Recycling &amp; Materials Management, NC Dept. of Environmental Quality</p> <p>Chris Halpin, President, Celtic Energy</p> <p>Brad Ives, Associate Vice Chancellor of Business Affairs, UNC Chapel Hill</p> <p>Max Ciarlone, University of SC, BS, Class of 2018</p> <p>Jerry Marshall, Energy Manager, Appalachian</p> <p>Jeff Ramsdell, Professor and Director of the Appalachian Energy Center, Appalachian</p> <p>Jim Dees, Sustainability Specialist, Appalachian</p>
<b>12:30 pm – 2:20 pm</b>	<b>Lunch &amp; Poster Session</b>	<b>Plemmons Student Union, Parkway Ballroom #420 &amp; Solarium</b>
<b>2:35 pm – 5:10 pm</b>	<b>Working Groups</b>	<b>Plemmons Student Union &amp; Belk Library</b>
<b>5:25 pm – 7:15 pm</b>	<b>Reception</b>	<b>Plemmons Student Union, Parkway Ballroom #420</b>
	<ul style="list-style-type: none"> <li>• Drinks &amp; heavy hors d'oeuvres</li> </ul>	<p>Music by Southern Exposure Sustainable Stringband</p>
<b>7:15 pm – Until</b>	<b>Night on the Town</b>	<b>Beautiful Boone, North Carolina</b>
<b>8:00 pm – 12:00 am</b>	<b>Shuttle Van Available</b>	<b>Corner of Bodenhemier Drive &amp; Rivers Street to Mountaineer Hall</b>

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## Wednesday, July 20, 2016

**7:00 am – 8:15 am Breakfast**

**Plemmons Student Union, Parkway Ballroom #420**

**8:45 am – 12:30 pm Plenary Session**

**Schaefer Center for the Performing Arts**

- Welcome / Reflection
- The Importance of Higher Education
- There's Gold in Them Thar Partnerships
- From Batteries to Buildings to Bottom Line: Introduction to Energy Storage
- Student Highlight: Freshspire: Inspiring Fresh Ideas that Impact Food, Energy, and Our Planet
- Empowering Entrepreneurs
- Networking Break
- Working Group Updates
- Energy Summit Awards Ceremony
  - Utility Savings Initiative Achievement Awards
  - Energy Summit Grant Program
  - Student Research
  - Energy Summit IMPACT Award
- Working Group Logistics
- Closing Comments

Steve Martin, Facilities Director, UNC Pembroke  
 David Orr, Paul Sears Distinguished Professor of Environmental Studies and Politics, Oberlin College  
 Richard Fort, Principal, Clark Nexsen  
 Kurt A. Wargo, Regional Dean and Associate Professor of Pharmacy, Wingate University  
 Jeremy Neiderjohn, Director of Marketing, Johnson Controls  
 Curtiss Fox, Director of Operations, Clemson University's Energy Innovation Center  
 Mona Amin, East Carolina University, BS, Class of 2018  
 Earl Gohl, Federal Co-Chair, Appalachian Regional Commission  
 All  
 Working Group Leaders, Facilitated by Sue Edwards  
 Facilitated by Lee Ball, Interim Sustainability Director, Appalachian  
 Len Hoey, Engineering Manager, NC Department of Environmental Quality (DEQ)  
 Eric Burgoyne, Project Engineer, DPR Construction  
 Len Hoey, Engineering Manager, NCDEQ  
 Miriam Tripp, Special Projects Officer, UNC GA  
 Darrell Kruger, Provost, Appalachian  
 Jeff Ramsdell, Professor and Director of the Appalachian Energy Center, Appalachian  
 Ged Moody, Special Assistant to the Chancellor for Sustainability, Appalachian  
 Sue Edwards, Interim Vice Provost for Faculty Affairs, Appalachian  
 Sheri Everts, Chancellor, Appalachian

**12:50 pm – 1:10 pm Gather Lunch**

**Plemmons Student Union**

**1:10 pm – 2:40 pm Working Groups**

**Plemmons Student Union**

**2:40 pm Adjourn**

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## Working Group Meeting Rooms

- Academic Integration
  - Campus-Based Energy Efficiency
  - Finance and Regulatory Opportunities + Energy Generation
  - High-Performance Campus Design
  - Transportation Opportunities
  - Student Leadership and Engagement
  - Zero Waste/Waste Reduction Track
- Calloway Peak/McCrae Peak (Student Union, 137-A/B)  
Linville Falls (Student Union, 226)  
Attic Window (Student Union, 137-C)  
Roan Mountain (Student Union, 122)  
Three Top Mountain (Student Union, 169)  
Blue Ridge Ballroom (Student Union, 201-A/B)  
*Tuesday:* Belk Library (Room 421)  
*Wednesday:* Beacon Heights (Student Union, 417)

## Mid-Year Appalachian Energy Summit

Thank you to Catawba College, our host for the 2017 mid-year Appalachian Energy Summit. We are looking forward to seeing you next winter and will be in touch when we determine the date.

## Notes

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