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## **Energy Training for Agriculture Professionals**

At the Center for Environmental Farming Systems, Goldsboro, North Carolina

September 30-October 2, 2009

### **TUESDAY, SEPTEMBER 29**

- Van brings participants from Raleigh-Durham Airport (leaving airport around 9:00 p.m.)
- Other participants arriving by car.

### **WEDNESDAY, SEPTEMBER 30**

8:00 Tour of biomass plant and in-woods equipment demo (for participants arriving Tuesday)

- Vans bring participants from Raleigh-Durham Airport (leaving airport 10:45 a.m. to noon)
- Other participants arriving by car.

12:00 SIGN IN and LUNCH

1:00 Welcome, housekeeping items, why we are all here

#### **PART 1: BIOFUELS**

1:30 Rachel Burton, Piedmont Biofuels: “Biodiesel: Understanding This Changing Landscape”

3:30 BREAK

3:45 Caleb Daniels, Piedmont Biofuels: “Hands-on Fuel-Making and Oilseed Crushing Demonstration”

5:45 DINNER

- Welcome and remarks by guests from the Center for Environmental Farming Systems (CEFS).

6:30 Special guest speaker: Vern Grubinger, University of Vermont: “Renewable Energy on the Farm: Innovation, Information, Outreach”

8:00 Adjourn

- Meeting room, refreshments, and more conversation available at the hotel

### **THURSDAY, OCTOBER 1**

- Hot breakfast at hotel

8:00 Bus picks up guests at hotel, arriving at CEFS 8:15.

#### **PART 2: ENERGY EFFICIENT FARMING SYSTEMS**

8:30 Leif Kindberg, National Ctr for Appropriate Technology: “Resources for Energy Educators”

9:00 Mike Morris, National Ctr for Appropriate Technology: “All about Farm Energy Audits”

- 9:45 Bob Gilbert, Efficiency First: “Efficient Agricultural Lighting”
- 10:15 BREAK
- 10:30 Steve Moore, Center for Environmental Farming Systems: “Energy Conservation and Sustainable Agriculture”
- 11:10 Wallace Horton, Progress Energy: “How It Could Work with Your Utility”
- 11:40 BOX LUNCH and Cherry Farm tour: Stretch legs; see efficiency measures and solar-heated greenhouse; learn about the farm’s plans for Energy Star certification

### PART 3: SOLAR ENERGY

- 1:00 Ed Witkin, Solar Tech South, Erik Lensch, Innovative Solar Solutions: “Solar Choices and Options”
- 3:00 BREAK

### PART 4: BIOPOWER

- 3:15 Julian Barham, Barham Farms: “Owning and Operating an Anaerobic Digester”
- 3:45 Peter Hoeflich, Progress Energy: “Biopower: a Utility Perspective”
- 4:30 BREAK
- 4:45 Alex Hobbs, NC Solar Center: “Combined Heat and Power, and Cooling”
- 5:45 John Bonitz, Southern Alliance for Clean Energy: “Bioenergy Issues: Climate Change, Sustainability, and Public Policy”
- 6:45 DINNER
- 7:15 Special guest speaker: Simon Rich: “Energy and Agriculture: Sustainable?”
- 8:15 Adjourn

- Meeting room, refreshments, and more conversation available at the hotel

### FRIDAY, OCTOBER 2

- Hot breakfast at hotel
- 8:00 Bus picks up guests at hotel, arriving at CEFS 8:15.

### PART 5: WIND ENERGY

- 8:30 Dennis Scanlin, Appalachian State University: “Wind Energy in the South”
- 10:15 BREAK
- 10:30 “Wind Energy in the South” (continued)
- 12:00: Closing remarks, next steps
- 12:30 LUNCH
- 1:00 Adjourn

- Vans bring participants to Raleigh-Durham Airport