



Don't Delay - Register Today!
Biomass Boot Camp
Overhills Mansion, 916 S. Rolling Road, Catonsville, MD
Monday, February 23, 2015 (9:30 a.m. – 4:10 p.m.)

Sponsored by the Maryland Wood Energy Coalition

In April 2014, the Maryland Department of Environment passed new regulations to allow the use of wood and other biomass to fuel commercial boiler systems. This development allows schools, colleges, public buildings, businesses, hospitals, greenhouses, and other facilities to utilize wood from forest and urban sources with advanced wood energy technology to provide cost-effective renewable energy options.

The Biomass Boot Camp is a focused one-day orientation program for facility owners, managers, engineers, extension educators, forestry professionals, financial / business managers and others interested in learning more about the potential of renewable biomass for heating and combined heat and power applications in Maryland. The name Boot Camp was selected because it indicates a program designed to immerse potential new "recruits" into the renewable biomass culture including basic concepts, terminology, resources, opportunities, as well as knowledge transfer about best practices and technology.

To register for the Biomass Boot Camp go to: Harry R. Hughes Center for Agro-Ecology, <http://agresearch.umd.edu/agroecol>. For questions and additional information, contact Nancy Nunn at (410) 827- 8056, ext. 128 or nunn@umd.edu



Organized in April 2010 the Coalition has grown rapidly to include a diverse group of state agencies, nonprofits, and businesses. The Coalition's mission is to advance the responsible use of Maryland's vast supply of woody biomass for clean, affordable thermal energy production. 40% of Maryland energy needs are for heating and cooling and wood is a renewable resource that can be managed sustainably.

The Coalition supports the implementation of small to medium-sized commercial and institutional applications for government, schools, and businesses, as well as residential thermal applications. Clean burning wood technology is being implemented widely in the Northeast and throughout the nation and thanks to updated air quality regulations, Maryland can develop a new industry. For more information on the Coalition contact: Jonathan Kays, 301-432-2767 x323. jkays@umd.edu.

Biomass Boot Camp

Overhills Mansion, 916 S. Rolling Road, Catonsville, MD 21228

Monday, February 23, 2015; 9:30 am – 4:30 pm

Approved for 3.0 Category 1 SAF Continuing Forestry Education Credits & 1.5 Category 2

Cost: \$20 per person include all materials, continental breakfast and lunch.

Registration: Harry R. Hughes Center for Agro-Ecology visit: <http://agresearch.umd.edu/agroecol>).

Registration Deadline: Monday, February 16, 2015

Agenda

9:30 a.m. Registration and continental breakfast

10:00 a.m. Welcome

Presenter: **Devon Dodson, Acting Director, Maryland Energy Administration**

10:10 a.m. The Biomass Boot Camp Overview

Presenter: Jonathan Kays, Maryland Wood Energy Coalition/ University of Maryland Extension

10:30 a.m. Break

10:40 a.m. Session 1: Biomass Fuels

This session will focus on types of fuels, fuel procurement and fuel specifications, storage and handling, long-term biomass fuel availability and competing uses, and sustainability.

Presenters: Dan Rider, Wood Utilization Specialist, Maryland DNR Forest Service; Michael Palko, Biomass Energy Specialist, PA; Bill McKnew, President, McKnew Chipping, Bowie, MD; Tom Johnson, Owner/CEO, Eastern Shore Forest Products, Salisbury, MD; Mark Faehner, Vice-President, American Wood Fibers, Columbia, MD

Noon Lunch

12:45 p.m. Session 2: Technologies

This session will focus on different types of biomass burners, cogeneration options, hot water and steam systems, similarities and differences between oil and gas combustion and biomass combustion systems, emissions technology, and the importance of sizing.

Presenters: Paul Lewandowski, Sales Director, AFS Energy Systems; Geoff Chenoweth, Project Engineer, RMF Engineering; Carl Longenecker, ATI Systems

2:15 p.m. Break

2:30 p.m. Session 3: Development Considerations

This session will focus on a range of project development considerations and support services including; feasibility studies, policy and regulations, permit requirements, net metering rules, financing options, carbon emissions, staff training and skills required, and ash disposal.

Presenters: Dan Wilson, Vice President, Wilson Engineering; Larry Myers, Schneider Electric, Energy & Sustainability Services; Lew McCreery, Forest Products Technologist, USDA Forest Service; Hussain Waheed, Senior Regulatory Compliance Engineer, MD Department of the Environment

4:00 p.m. Closing Remarks and Distribution of take-away materials

- Details on one-day wood energy tour of Northern Bedford School District in PA scheduled for March 2015

4:10 pm Adjourn



Biomass Boot Camp Registration Form

The registration cost is \$20 per participant and includes all materials, continental breakfast and lunch. Registration and payment deadline is Monday, February 16, 2015.

Name(s): _____
(Please list the names of all individuals that the enclosed payment covers)

Affiliation: _____

Address: _____

City, State, Zip: _____

Email Address: _____

Phone Number: _____

Amount of Payment: _____

Check Enclosed: _____

Please make checks payable to the University of Maryland.

Credit Card type: MasterCard _____ Visa _____ Discover _____ American Express _____

Card Number: _____

Name as it appears on Card: _____

Expiration Date: _____

Signature of Cardholder: _____

If you have a disability that requires special assistance for your participation in a program, please contact Nancy Nunn at (410) 827-8056, ext. 128 or email nunn@umd.edu.

Registration form and payment should be mailed, faxed, or emailed to:

The Harry R. Hughes Center for Agro-Ecology, Inc.

Fax: 410-827-9039

Attention: Nancy Nunn

Email: nunn@umd.edu

Post Office Box 169

Queenstown, Maryland 21658