

NORTHEAST BIOMASS HEATING CONFERENCE & EXPO 2017

BURLINGTON, VT | APRIL 25-27 | NEBIOMASSHEAT.COM

BIOMASS THERMAL ENERGY COUNCIL

Tuesday, April 25

8:00 AM – 5:00 PM	Exhibitor Move-in
8:00 AM – 5:50 PM	<p>Biomass Boiler Bus Tours Locations:</p> <ol style="list-style-type: none"> 1. Champlain Valley Union High School (Messersmith) 2. Middlebury Housing – Peter Coe Apartments (Ökofen) 3. Middlebury College (Chiptec) 4. Lothrop Elementary School (Froling) 5. Otter Valley High School (Viessmann) 6. Gagnon Lumber, Pittsford, VT (sawmill) <p>Check in at registration desk in Expo Hall Lobby by 7:45 AM</p>
1:00 PM – 5:00 PM	<p>BTEC Board of Directors Meeting – Invitation Only Location: Providence Board Room</p>
3:45 PM – 5:00 PM	Biomass 101 Workshop (Free to Public)
	<p>Biomass is a remarkable renewable resource for heating in the Northeast. This program will to help those considering biomass build a reasonable framework for further research. The session will discuss how a variety of biomass heating appliances work, what they use for fuel and how it is graded or certified, what ranges of equipment are available today, and how you might decide what systems are best for applications in which you might have interest.</p> <p>Location: Diamond III</p> <p><i>Session 1. How do biomass boilers and furnaces work and how clean are they?</i></p> <ol style="list-style-type: none"> a. Chips b. Pellets, top fed, horizontally fed, underfed burners <p><i>Session 2. What is appropriate fuel?</i></p> <ol style="list-style-type: none"> a. Chip grading, variability b. Pellet manufacture and standards <p><i>Session 3. What types of equipment are available in the Northeast?</i></p> <ol style="list-style-type: none"> a. Cordwood b. Chips c. Pellets <p><i>Session 4. How do you decide what is best for you?</i></p> <ol style="list-style-type: none"> a. Chips or pellets b. Decisions among pellet boilers <p>Scott Nichols, Tarm – Session 1 Mark Froling, Froling Energy – Session 2 Rick Grondin, Integrated Energy Systems – Session 3 Dutch Dresser, Maine Energy Systems – Session 4</p>
5:30 PM – 7:30 PM	Welcome Reception & Expo “Sneak Peek” for all Attendees – Expo Hall

Wednesday, April 26

8:00 AM	Registration Open – Expo Hall Lobby Light Refreshments – Promenade (between Emerald II & III)
8:30 AM – 8:45 AM	Welcome and Program Overview Location: Emerald Ballroom III <i>Jeff Serfass, Conference Chair (Executive Director, BTEC)</i>
8:45 AM – 9:15 AM	Keynote <i>Phil Scott, Governor of Vermont</i>
9:15 AM – 9:40 AM	Opportunities and Challenges Facing Our Industry State of the Industry Keynote Location: Emerald Ballroom III What can we learn from the industry’s past and from other industries to spur innovation during this time of warm winters and low fossil fuel prices? <i>Steve Walker, formerly New England Wood Pellet</i>
9:40 AM – 10:00 AM	Break - Promenade
10:00 AM - 10:25 AM	Forest Health and Vitality and the Biomass Thermal Industry Location: Emerald Ballroom III <i>Michael Snyder, VT Dept. of Forests, Parks & Recreation</i>
10:25 AM - 10:50 AM	Challenges of Doing Business in the Biomass Thermal Industry Business Owner’s Perspective Keynote Location: Emerald Ballroom III What are the common mistakes business owners and project managers make when undertaking a new biomass thermal project concerning plant layout and materials handling? What assumptions and considerations should they make to avoid a loss? <i>Dane Floyd, Biomass Engineering & Equipment</i>
10:50 AM – 12:00 PM	Perspectives on Thermal Storage – Technical and Policy Perspectives Technical and Project Development Breakout Session 1 Perspectives on Thermal Storage – Technical and Policy Perspectives Policy Breakout Session 1 Location: Emerald Ballroom III This session will continue the discussion on thermal storage for advanced wood pellet and chip boilers, offering new insights gained and research conducted over the last year. A diversity of panelists representing manufacturers, technical experts, and testing laboratories will present their data and field performance insights, and an opportunity for discussion will follow.

	<p><i>Moderator: Val Stori, Clean Energy States Alliance</i> <i>Dan Wilson, Wilson Engineering Services</i> <i>Henry Spindler, DCM Logic</i> <i>Stefan Ortner, Ökofen</i> <i>Neil Veilleux, Meister Consultants</i></p>
12:00 PM – 8:30 PM	Expo Floor Open
12:00 PM – 1:15 PM	<p>Lunch at Expo Hall Special Presentation on the Wood-to-Energy Commodities Checkoff <i>Rob Davis, Forest Energy Corporation</i></p>
1:15 PM – 1:45 PM	<p>Technical Overview and Innovations Technical Perspective Keynote Location: Emerald Ballroom III</p> <p>What is the state of technology in the US biomass industry? Where is there opportunity for innovation, and what emerging technologies should we be watching?</p> <p><i>Dan Wilson, Wilson Engineering Services</i></p>
1:50 PM – 3:00 PM	<p>What is a Successful Project? Technical and Project Development Breakout Session 2 Location: Emerald Ballroom I</p> <p>What is a biomass heat project trying to accomplish? What objective criteria should we use to distinguish a successful project from one that is merely operational?</p> <p><i>Moderator: David Bancroft, BTEC Technical Engagement Manager</i> <i>David Spindler, DCM Logic</i> <i>Ned Reynolds, Johnson Controls</i></p>
1:50 PM – 3:00 PM	<p>Air Quality and Emissions Policy Breakout Session 2 Location: Emerald Ballroom II</p> <p>This session will explore the air quality regulations for biomass thermal systems and the technologies available to curb emissions.</p> <p><i>Moderator: Rob Rizzo, University of Massachusetts</i> <i>John Hinckley, Resource Systems Group</i> <i>Dr. Richard Peltier, University of Massachusetts</i> <i>Ray Albrecht, Consulting Engineer</i></p>
3:05 PM – 3:25 PM	Break – Promenade
3:30 PM – 4:00 PM	<p>Forest Owners' Perspective Keynote Location: Emerald Ballroom III</p>

	<p>How do forest management decisions affect the entire biomass supply chain? What are the opportunities for closer coordination between biomass thermal industry and forestry stakeholders?</p> <p>David Tenny, National Alliance of Forest Owners</p>
4:05 PM – 5:15 PM	<p>Emerging Biomass Technologies Technical and Project Development Breakout Session 3 Location: Emerald Ballroom I Building off our Technical Perspective Keynote, we will discuss some of the emerging technologies in the industry, including their applications and potential impact.</p> <p><i>Moderator: Dan Wilson, Wilson Engineering Services</i> CHP – Stefan Ortner, Ökofen ORC – Ilaria Peretti, Turboden CHP – Marc Caluwe, Caluwe, Inc.</p>
4:05 PM – 5:15 PM	<p>Northeast State Policy Panel – Regulatory Decisions and the Impacts on the Industry Policy Breakout Session 3 Location: Emerald Ballroom III</p> <p>Why have states taken different approaches to regulating biomass technologies? How are those technical regulations vetted with the industry? What accommodations can be made in the face of low fuel prices and other market barriers?</p> <p><i>Moderator: Dutch Dresser, Maine Energy Systems</i> Andy Perchlik, Vermont Department of Public Service Peter McPhee, Massachusetts Clean Energy Center Barbara Bernstein, NH Public Utilities Commission Bill Bell, Maine Pellet Fuels Association</p>
4:05 PM – 5:15 PM	<p>Tools for and Perspectives on Feasibility Studies Business Development Breakout Session 1 Location: Emerald Ballroom II</p> <p>This session will introduce project developers and managers to the different levels of project feasibility studies and compare approaches to studying whether and what type of biomass thermal system is right for a given project.</p> <p><i>Moderator: Norm Etkind, Vermont Superintendents Association</i> Juliette Juillerat, Biomass Energy Resource Center Jeff Forward, Richmond Energy Associates</p>
5:20 PM – 6:20 PM	<p>The Northeast’s Wood Pellet Sector: At a Crossroads Location: Emerald Ballroom III</p> <p>Warm winters, low fossil heating fuel prices, and an exchange rate with Canada that favors flow of product into US heating markets have all made for a challenging two years for the Northeast’s pellet industry. Come hear the</p>

	<p>region’s leaders in this industry discuss how they have responded to market conditions, and steps they are taking to ensure they are well positioned for the inevitable turnaround.</p> <p><i>Moderator: Christine Donovan, Vermont Energy Investment Corporation</i> <i>Pat Curran, Curran Renewable Energy</i> <i>Bob Sourek, Lignetics</i> <i>Morton Bailey, Lyme Green Heat</i> <i>Bill Bell, Maine Pellet Fuels Association</i> <i>Andy Boutin, Pelligery</i></p>
6:30 PM – 8:00 PM	Reception on Expo Floor

Thursday, April 27	
8:00 AM – 2:00 PM	Expo Floor Open
8:00 AM – 9:00 AM	Registration Open, Light Refreshments – Expo Hall Lobby
8:30 AM – 8:45 AM	<p>Day 1 Recap Location: Emerald Ballroom III</p> <p><i>Jeff Serfass, Conference Chair (Executive Director, BTEC)</i></p>
8:45 AM – 10:15 AM	<p>Regional Updates Roundtable Location: Emerald Ballroom III</p> <p>What is the state of the industry in the five regions represented? What policies or programs are regions pursuing, and are there best practices that can be replicated elsewhere?</p> <p><i>Moderator: David Bancroft, BTEC Technical Engagement Manager</i> <i>Northeast – Maura Adams, Northern Forest Center</i> <i>Midwest – TJ Morice, TNT Ventures</i> <i>Northwest – Bob Sourek, Bear Mountain Forest Products</i> <i>Mid-Atlantic – Paul Lewandowski, AFS Energy</i> <i>Southwest – Rob Davis, Forest Energy Corporation</i></p>
10:20 AM – 10:40 AM	Break - Promenade
10:45 AM – 11:55 AM	<p>Woodchip Outlook: Green Chips, Dry Chips, and the US Woodchip Standard <i>Technical and Project Development Breakout Session 4</i> Location: Emerald Ballroom I</p> <p>This session will provide an update on the US Woodchip Standard, and then move into a discussion over the use of green chips and dry chips, and how the standard will impact users.</p> <p><i>Moderator: Adam Sherman, Biomass Energy Resource Center</i> <i>Charlie Niebling, Innovative Natural Resource Solutions</i> <i>Mark Froling, Froling Energy</i> <i>Charlie Cary, Biomass Combustion Systems</i></p>

<p>10:45 AM – 11:55 AM</p>	<p>Local and Municipal Innovations and Shared Successes Policy Breakout Session 4 Location: Emerald Ballroom II</p> <p>Municipalities and communities have successfully implemented biomass heating projects. How did they generate the political will, overcome opposition, and implement these projects? What lessons can this provide to other communities?</p> <p><i>Moderator: Todd Eastman, Ontario Ministry of Northern Dev. & Mines</i> John Hollar, Mayor of Montpelier, VT Susan McMahon, Windham Regional Commission Brian Becker, Center for Natural Capital</p>
<p>10:45 AM – 11:55 AM</p>	<p>Performance Contracting and Financing Biomass Projects Business Development Breakout Session 2 Location: Emerald Ballroom III</p> <p>What funding is available to project managers for their biomass thermal project? What do funders look for when deciding whether to invest?</p> <p><i>Moderator: Christine Donovan, Vermont Energy Investment Corporation</i> Ned Reynolds, Johnson Controls Kenneth Yearman, USDA Rural Development Brian Pine, Vermont Energy Investment Corporation</p>
<p>12:00 PM – 1:00 PM</p>	<p>Lunch at Expo Hall</p>
<p>1:00 PM – 2:00 PM</p>	<p>Contractors Conversation: Lessons Learned from Contractors in the Northeast Location: Emerald Ballroom III</p> <p>How did the region’s large contractors grow to be so big, and how do they survive in the current economic climate?</p> <p><i>Moderator: Bede Wellford, Viessmann</i> David Frank, Sunwood Mark Froling, Froling Energy Bill Overbaugh, Ehrhart Energy Morton Bailey, Lyme Green Heat</p>
<p>2:05 PM – 3:15 PM</p>	<p>Cordwood Technology Outlook – The 2020 Threshold and Emerging Technologies Technical and Project Development Breakout Session 5 Location: Emerald Ballroom I</p> <p>What technologies will wood boilers use to meet the 2020 emissions thresholds? What will the cost be? What are some of the emerging technologies in cordwood boilers?</p> <p><i>Moderator: Kelli O’Brien, Clearstak</i> John Ackerly, Alliance for Green Heat</p>

	<p>Scott Nichols, Tarm Biomass Chris Tureson, Central Boiler</p>
<p>2:05 PM – 3:15 PM</p>	<p>Telling Our Story – How We Talk About Biomass Policy Breakout Session 5 Location: Emerald Ballroom II</p> <p>This session will explore the importance of storytelling and discuss best practices and approaches. Panelists will share their experiences connecting with the public and key stakeholders to tell the story of biomass thermal.</p> <p><i>Moderator: Beth Scott, North American Forest Partnership</i> Maura Adams, Northern Forest Center Charlie Thompson, Massachusetts Forest Alliance Mike Porter, Uzelac Industries</p>
<p>2:05 PM – 3:15 PM</p>	<p>Sustainable Forest Management and the Biomass Thermal Energy Industry Business Development Session 3 Location: Emerald Ballroom III</p> <p>The biomass thermal industry is inextricably linked to the forest and the broader forest products industry. How can we work together to benefit both industries?</p> <p><i>Moderator: Paul Frederick, VT Department of Forests, Parks & Recreation</i> Ethan Tapper, Chittenden County Forester Charlie Levesque, Innovative Natural Resource Solutions Kelli Curran, Curran Renewable Energy</p>
<p>3:20 PM – 3:30 PM</p>	<p>Closing Remarks and Lessons Learned Location: Emerald Ballroom III</p> <p>David Bancroft, BTEC Technical Engagement Manager</p>
<p>3:30 PM</p>	<p>Adjourn</p>