

# Heat Here and There

## An Update on Biomass Thermal Policies Across the Nation

Joseph Seymour, Executive Director  
Biomass Thermal Energy Council  
October 16, 2012

# Introduction to BTEC

The Biomass Thermal Energy Council (BTEC) is the industry trade association dedicated to advancing the use of biomass for heat and other thermal energy applications.

## Why was BTEC established?

1. To **advocate for and promote** the biomass thermal industry in the national energy policy debate
2. To **reach out** to and **educate** the public and decision makers on the benefits and advantages of using biomass for heat and CHP
3. To develop biomass energy **research and analysis** that enables sound investment and policy decisions



# Membership Map

\* As of September 14, 2012



## BTEC's Membership\*

\* As of September 2012

ACT Bioenergy	Enviva LP	Prosperity Ag & Energy Resources
AFS Energy Systems	Ernst Biomass	Rainforest Alliance
Alliance for Green Heat	Evoworld	Ray Albrecht
Alternative Energy Solutions International, Inc.	Forest Energy Corporation	Recast Energy
American Agriculture Movement	Fram Renewables	Reciprocal Energy Company
American Biomass	FutureMetrics	Renewable Energy Resources
American Boiler Manufacturers Association	Green-Power	Repreve Renewables
American Wood Fibers	Innovative Natural Resource Solutions	Resource Professionals Group
APEX	International Renewable Energy Technology Institute	Richmond Energy Associates, LLC
Bear Mountain Forest Products	Jackson Lumber Harvester Co	Rotochopper
Ben Larson	Jesse E. Lyman Pellets	Sandri Companies
BioBusiness Alliance of Minnesota	Kilwa Biomass	Seattle Steam Company
Biomass Briquette Systems	Klondike Energy Group	Sewall Company
Biomass Combustion Systems	Lignetics of Virginia	Skanden Energy
Biomass Commodities Corporation	Maine Energy Systems	State University of New York - ESF
Biomass Energy Laboratory	Maine Pellet Fuels Association	Tarm Biomass
Biomass Energy Resource Center	Marth	The Jordan Institute
Biomass Energy Works	Messersmith Manufacturing, Inc.	Trane - Ingersoll Rand
Biomass Engineering & Equipment	Minnesota Valley Alfalfa Producers	Twin Ports Testing
Bionera Resources Inc.	Missouri Corn Growers Association	University of Minnesota Duluth
Biowood Energy	National Network of Forest Practitioners	University of Minnesota Morris
Caluwe Inc.	New England Forestry Foundation	Vapor Locomotive Company
Cambride Environmental Technologies	New England Wood Pellet	Vecoplan
Carbonomics	New Horizon	Vermeer
Chip Energy	Northeast Mill Services	Vermont Sustainable Jobs Fund
Clean Power Development	Ochoco Lumber	Vermont Wood Pellet
ClearStak	PA Pellets	Viessmann
Compte-Fournier Inc	Pellergy LLC	Weis Environmental
Confluence Energy	Pelletco	Western Ag Enterprises
Control Labs	Pennsylvania Biomass Energy Association	Westervelt Renewable Energy
Corinth Wood Pellet	Plum Creek	Wilson Engineering Services
Cousineau Forest Products	Pratt & Whitney Power Systems - Turboden	Wisconsin Energy Conservation Corporation
Dejno's	Proe Power Systems	Woodmaster
Ebner Vyncke		Zilkha Biomass Energy

## Midwest

- Re-launch of WI's "Focus on Energy" Program, features biomass heating grants
- Heating the Midwest organizes first conference, management, developing "Vision" for region



## West

- California promotes **small scale (<3MW)** biomass installations in RPS carve-out
- CO's **Sen. Udall**, 'biomass heating helps forest restoration'
- Washington allow **thermal energy in voluntary utility program**
- Oregon DOE explores **district heating with renewable resources**, promotes biomass heating resources
- **Federal facilities in Alaska** installing biomass heating systems

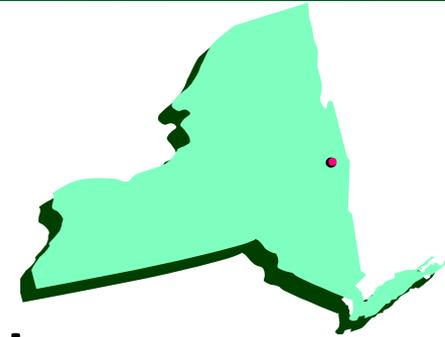


## The Northeast

- Northeast Biomass Thermal Working Group (NEBTWG) enters 3<sup>rd</sup> year
- Biomass heating **presence at regional shows**, new markets
- Working Group develops **bulk pellet delivery and storage** recommendations
- Major **state-specific developments...**



## New York

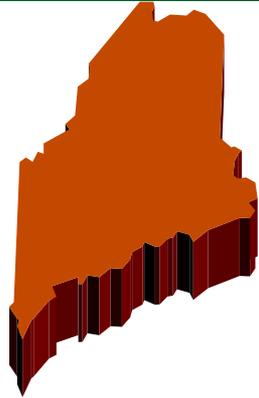


- **New state energy plan** in 2013
- **\$350K NYSERDA Biomass Heating Roadmap**
- **RGGI funds for demonstration projects**
- **Potential additional NYSERDA funds** for Model Neighborhood Project, other demo projects, bulk truck(s)
- **NYBEA** instrumental in all this progress
- NY State Pension Fund investment in pellet plant (Biomaxx)



New York  
**Biomass Energy**  
Alliance

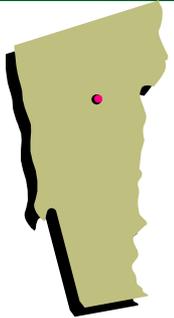
# Maine



- Focus of **\$11 million USDA ARRA demonstration projects** (22 chip and pellet systems in 15 buildings)
- **200+ pellet/chip boilers in 3 years** – res/comm
- Jackson Labs 44 MMBTU/hr **wood powder suspension burner** (pellets) 1.3 MM gallons #2
- Gov. LePage - **public interest in adding thermal to Maine RPS**
- Mainers got **HUD to formally recognize automated pellet boilers as legit** – big step forward
- **Maine Pellet Fuels Assn** active in all

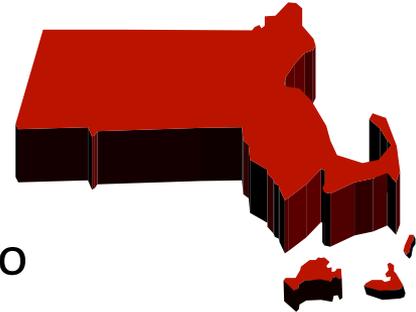


## Vermont



- **Long history of building aid for wood heating of schools** (over 30% of students heated by wood)
- **Pellet boiler \$1000 rebate** (from ARRA funds, currently seeking long-term \$ support)
- **2011 Comprehensive Energy Plan** put strong emphasis on thermal
- 2012 energy legislation directs state to develop a **“whole energy standard”** to include thermal incentives
- **Boiler regs allow non-ASME biomass boilers**

# Massachusetts



- **Biomass thermal and CHP have “benefited”** to some degree from anti-biomass electric focus
- **DOER study of renewable thermal energy options** with focus on biomass/GSHP
- **DOER ARRA grants** to Sandri (trucks, 16 C/I systems, residential rebate) and Mass MoCA project
- **\$3 million incentive program to be announced soon** (residential pellet boiler rebates, woodstove changeout, commercial demo projects - APS compliance \$)
- Legislature passed energy bill this summer including **DOER study of adding thermal to APS**

# Maryland



- **Pilot rebate program, wood and pellet appliances** – good start that will build support for more \$\$
- **RPS – gains for thermal technologies** including chicken litter (biomass!)
- MD Dept. of Environment – **progress on addressing ambiguous regulation** of biomass emissions
- **Wood Energy Coalition** – conference November 14 in Annapolis!

## New Hampshire



- **ARRA-funded pellet boiler rebate** – 104 systems; now seeking RPS \$\$ to continue for both residential and commercial
- **Berlin Model Neighborhood Project** – 40 buildings
- **Boiler regs allow non-ASME biomass boilers**
- **ARRA, RGGI and RPS funds for >15 C/I biomass heating projects**
- **2012 – thermal added to RPS on energy equivalent basis; effective in 2013. Up to \$63 million in RECs by 2025**

## Translating to Federal Level

### ○ Pending & Progress

- Extension of **credit for biomass stoves**
- Bipartisan ITC for commercial equipment (**S. 3352**)
- **Farm Bill Energy Title** (grants, payments, CWEP, etc)
- **Thermal inclusion** in RES, CES, or other energy framework
- Recognition by **DOE, EPA, USDA, and WH**

Thank You!

[Joseph.seymour@biomassthermal.org](mailto:Joseph.seymour@biomassthermal.org)

202-596-3974 x302