• **One-third** of U.S. energy consumption is used for heating

• **9 percent** of heating comes from biomass

• In 2008, industry officials convened to give a voice to the biomass heating portion of the energy sector

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Energy Use in the U.S.

- Transportation: 27%
- Electricity: 40%
- Thermal/Other Primary: 33%

Adapted from: U.S. Energy Information Administration
Mission
The Biomass Thermal Energy Council (BTEC) advances the sustainable use of wood and biomass for clean, efficient heat and combined heat and power to meet America's energy needs and strengthen local economies.
Vision

By 2025, the use of sustainable wood and agricultural biomass for thermal (heating and cooling) and combined heat and power (CHP) is a mainstream energy choice.

Residential, commercial, institutional, and industrial customers choose it as an affordable, clean, efficient, and carbon beneficial alternative to fossil fuels. Distributed energy from biomass thermal/CHP provides reliability and resiliency to America's energy infrastructure, and efficient use of biomass resources. Policies at the local, state, regional, and federal levels support thermal/CHP from biomass equally with respect to other renewable sources of energy. Thermal/CHP from biomass enables sustainable land and resource management, and provides improved soil and forest health, improved water and air quality, and reduced wildfire risks. Thermal/CHP from biomass drives local job growth and economic vitality across America's rural and urban communities.
Who Our Members Are

90+ members from the U.S., Canada, and Europe

- Fuel producers
- Manufacturers
- Sellers
- Installers
- Consultants
- Service providers
- State and federal governments
- Universities
- Non-profits and NGOs
Technical projects

- Thermal Efficiency Protocol for Commercial-Size Boilers
- Wood Energy Financial Calculator Tool
- U.S. Forest Service Technical Cooperative Agreement
- Combined Heat and Power White Paper
- Wood Chip Standard
- Pellet Storage
- Thermal Storage
Thermal Efficiency Protocol for Commercial Sized Boilers

• **Goal:** Fill standards “gap” for medium-sized biomass boilers

• **Status:** Draft available on BTEC website

• **Upcoming:** Validation in test lab and submission to ANSI standards process (e.g. ASTM, ASHRAE)-by spring 2017
Wood Energy Financial Calculator Tool

- **Goal**: Develop online prefeasibility tool for buildings switching from fossil fuel to wood heat
- **Status**: Finalization with developer
- **Upcoming**: Release updated user-friendly version, updated state policy database, and biomass community handbooks

http://woodenergyproject.com
Goals of the U.S. Forest Service Technical Cooperative Agreement

- Create ASHRAE Technical Committee on Biomass Combustion

- Work with DOE’s Better Buildings Alliance to include biomass systems

- Ensure that green building codes and standards (ASHRAE, LEED) recognize biomass thermal
Activities:

- Biomass tax and subsidy parity
- Biomass carbon benefits
- Biomass recognition at the state level
Biomass Tax and Subsidy Parity

Work with House and Senate partners to:

- **Pass BTU Act**
  - *Investment tax credits* for highly efficient biomass systems
  - 11 House and 7 Senate co-sponsors
- **Extend wood and pellet stove tax credits**
- **Promote equitable direct payment under Farm Bill’s “Bioenergy Program for Advanced Biofuels”**
Biomass Carbon Benefits

- **Success:** Biomass carbon neutrality language supported by BTEC passed in House and Senate energy bills

- **Next Steps:** Working with Energy Bill conference committee to retain and strengthen language

- **Champions of carbon neutrality:**
  - Sen. Kelly Ayotte (R-NH)
  - Sen. Ron Wyden (D-OR)
  - Sen. Angus King (I-ME)
State-Level Biomass Recognition

• Maine
  o Maine Biomass Commission established
  o BTEC members promoted thermal renewable energy credits

• Massachusetts
  BTEC submitted public comments on the state’s Alternative Portfolio Standard

BTEC supports and participates in Statewide Wood Energy Teams
**Strategic Outreach**

- **Building relationships** with federal and state agencies
- **Supporting** state and regional networks
  - Heating the Midwest*
  - Maine Pellet Fuels Association*
  - Maryland Wood Energy Coalition*
  - Northeast Biomass Thermal Energy Working Group
  - Pennsylvania Biomass Energy Association*
- **Educating** the public and government officials on the facts about biomass
- **Offering education help and networking to members**
Want to Help?

• Become a BTEC and HTM member!
  www.biomassthermal.org/membership

• Sponsor a BTEC webinar

• Sponsor Biomass Thermal Student Design Contest

• Reach out to state and local officials

• Participate in National Bioenergy Day - Oct. 19!
Annual Conference

NORTHEAST BIOMASS HEATING CONFERENCE & EXPO 2017
BURLINGTON, VT | APRIL 25-27 | nebiomassheat.com

• April 25-27, 2017 in Burlington, VT
• Provide Midwest update
• Become an exhibitor or co-host
• For agenda and registration updates, visit http://nebiomassheat.com/
Thank You!

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