



How Does Maryland Fit into the National Wood Energy Movement?

An update on cross border thermal initiatives

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Biomass Thermal Energy Council

About 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



Public Policy Basis for Renewable Energy Incentives

	Liquid	Electric	Thermal
Reduce reliance on foreign fossil energy; enhance national & regional energy security	★	★	★
Conserve energy through increased efficiency	★	★	★
Reduce air emissions (e.g. PM, SO ₂ , Hg)	★	★	★
Reduce greenhouse gas emissions	★	★	★
Local <u>sustainable</u> economic development; JOBS	★	★	★
Save people \$\$\$; retain wealth in region	★	★	★

Slide Credit: Charlie Niebling, INRS LLC



MD Emissions and Tax Incentives

- Updated MDE Biomass Emissions Regs
 - State stepped up to revise regulations to address improved technologies
 - MD joined other states in pressuring EPA to update NSPS

- Residential Biomass Heating Incentives
 - \$500 to \$700 for wood heating systems, arguments toward parity
 - H/T The Alliance for Green Heat

- BTEC/Nat'l Role
 - Shape federal tax policy from lessons learned in state deployment, adoption
 - Same for emissions regulations

MD RPS Policy Framework

- Inclusion of Biomass Thermal in MD RPS
 - Partial parity for biomass thermal established
 - MD Thermal Energy Task Force, deadline 2013
 - Heat metering and residential systems
- BTEC/Nat'l Role
 - Information sharing on state advancements to other states, regions
 - Channel to standards organizations, other RE technologies

**ADULTS
SHOULD NOT
SWIM ALONE**



**KEEP
CALM
AND
SHARE**

Federal Tax Incentives

- **Biomass Thermal Utilization Act (BTU Act)**
 - Provides tax parity for residential and commercial/industrial high efficiency biomass thermal systems
 - 75% HHV efficiency for residential, 65%/80% for commercial/industrial
 - 30 groups already endorsing

- **Bipartisan Support**
 - S. 1007 – Sens. King (I-ME), Collins (R-ME), Shaheen (D-NH), Sanders (I-VT), Franken (D-MN), Merkley (D-OR)
 - H.R. 2715 – Reps. Michaud (D-ME2), Welch (D-VT0), Gibson (R-NY19), Owens (D-21NY), Kuster (D-NH2), Nolan (D-MN8)

- **MD Role**
 - Rep. Sarbanes, Sen. Cardin? Relationships with W&M, SFC members?

Farm Bill & Agricultural Policy

- 5 Year Bill Through Both Chambers
- Energy Title:
 - Senate—nearly \$1B in mandatory funds
 - House— No mandatory funds
- Path Forward
 - Conferees set. One year extension of existing law?
- MD Role
 - Support mandatory funding in messaging to Congressional delegation, by any means.

Administration

- President's Climate Action Plan
 - Place for Thermal Renewable Energy Credits, procurement
- USDA
 - USDA MOU with bioenergy associations
 - Statewide Wood Energy Teams awarded
- DOE
 - Improving EIA data collection re: wood
- MD Role
 - How can MD best work with USDA MOU?
 - Continually improve fuel data collection
 - Prepare for next SWET round, or create new \$\$\$ sources

Shared Initiatives

- BTEC's Commercial Thermal Efficiency Protocol
 - National effort, support from private and public entities
 - Results applicable to state policy efforts

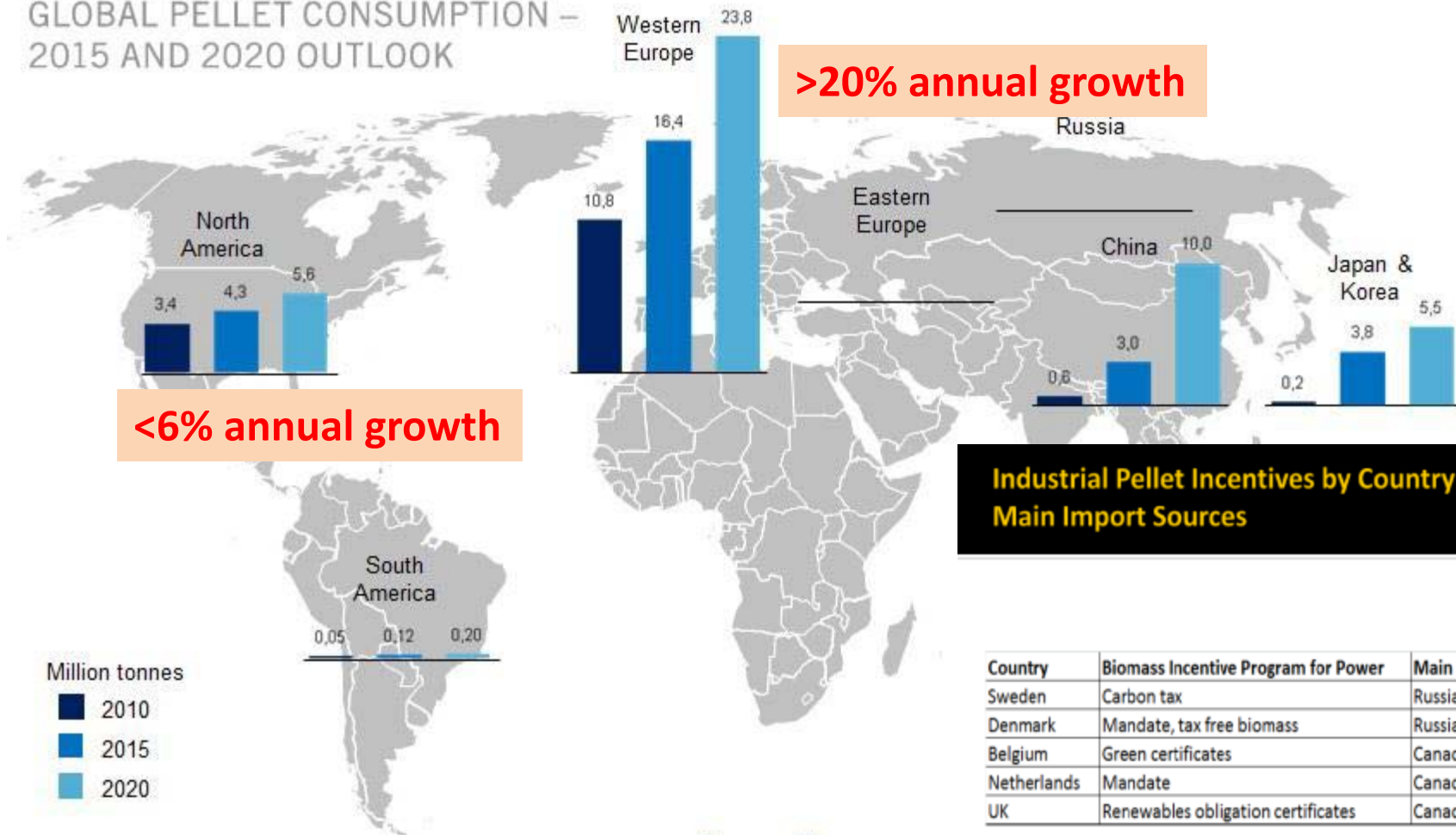
- Bulk Wood Pellet Storage and Delivery Recs.
 - NE focused (for now), but results widely applicable
 - Safety training, ensure wider adoption

- Biomass Thermal Installation Recognition
 - BTEC Biomass Green Heat Registered Sites
 - Wood2Energy.org Database support
 - Continuation of field tours

- Supporting Regional Networks
 - NEBTWG, HTM, Other?

Don't Think Policy Makes a Difference?

GLOBAL PELLET CONSUMPTION – 2015 AND 2020 OUTLOOK



<6% annual growth

>20% annual growth

Industrial Pellet Incentives by Country and Main Import Sources

Country	Biomass Incentive Program for Power	Main Import Sources
Sweden	Carbon tax	Russia, Baltics, Finland
Denmark	Mandate, tax free biomass	Russia, Baltics, Finland
Belgium	Green certificates	Canada, US
Netherlands	Mandate	Canada, US
UK	Renewables obligation certificates	Canada, US

Source: PÖYRY

Slide Credit: Charlie Niebling, INRS LLC

Upcoming Events

- **Wood Stove Decathlon**
 - Nov. 16-19, 2013, Washington, DC
 - <http://www.forgreenheat.org/stovedesign.html>
- **LEED and Biomass Thermal Webinar**
 - Nov. 6, 2013 (online)
 - Register on www.biomassthermal.org
- **BTEC Annual Members Meeting**
 - Nov. 19, 2013, Washington, DC
 - Contact joseph.seymour@biomassthermal.org
- **Northeast Biomass Heating Expo**
 - April 9 – 11, 2014, Portland, ME
 - Nebiomassheat.com
- **Heating the Midwest**
 - April 29 – May 1, 2014, Green Bay, WI
 - HeatingtheMidwest.org

Become a Member!

- Wealth of members-only benefits
 - Regulatory intelligence
 - Access to special events
 - Networking calls, events
 - Exposure to entire biomass supply chain
 - Industry leadership, committee participation
 - ***And much more!***

- No cost for Gov't & Educational entities
 - Affordable tiers for industry members
 - ***Join in 5-minutes!***
biomassthermal.org/membership/join.asp



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Additional BTEC Resources

- Publicly available resources on the BTEC website include:
 - Presentations
 - Virtual Facility Tours
 - Case Studies
 - Factsheets
 - Webinars
 - Interviews
 - Reports
 - Resource Library