

MINNESOTA'S STATEWIDE WOOD ENERGY TEAM

Put modern biomass technology to work
for you!



Minnesota
Statewide
Wood Energy
Team

What is a Wood Energy System?

- The use of woody feedstocks to make thermal energy (hot or cold) including:
 - Space Heating
 - District Heating or Cooling
 - Industrial Process Heat
 - Combined Heat and Power



Why does Thermal Energy from Biomass Matter?

- Thermal energy comprises 1/3 of total US energy demand
- Thermal energy represents the most efficient use of biomass to make energy
- Tremendous potential to address large US challenges
 - Decreased dependence on imported fossil fuels
 - Provide rural economic development



Benefits of Wood Energy Systems

- Accomplish multiple goals such as:
 - Increase forest management opportunities
 - Reduce the risk of forest wildfire
 - Provide additional markets for forest products
 - Reduce Greenhouse Gas Emissions
 - Grow MN manufacturing jobs
 - Provide a source of renewable energy that allows rural communities to:
 - Develop jobs locally
 - Retain economic wealth
 - Use a local source of renewable energy at a stable price point

We're Not Talking about your Grandpa's Wood Stove

Wood burning technology has improved dramatically over the last 25 years making wood safer, more efficient and more convenient to use. Improvements include:

- 24 hours of unattended heating
- New firebox designs that burn wood more completely and efficiently
- Today's EPA-certified wood stoves emit 70% less particle pollution
- 50% more efficient than wood stoves manufactured before 1990.



What is the Statewide Wood Energy Team?

- 22 member team comprised of Minnesotans from state, federal and non-profit organizations focused on promoting high efficiency wood energy systems
 - \$250,000 from USFS for three years to drive the installation of wood energy systems
 - Targeting facilities without access to natural gas that have a heating load of 1-5mmBTU (nursing homes, schools, community centers, etc.)
 - The grant has three major components:
 - Outreach and education on the benefits of high efficiency wood energy systems
 - On-site assistance for initial high-level evaluation
 - Pass through dollars awarded via a competitive RFP for final feasibility/final design analyses
 - RFP due to come out this spring



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Statewide Wood Energy Team Grant Eligibility



Eligibility Criteria

- Applicant must be a non-profit, private, tribe, public entity, trade, business, or rental property owner of a facility located in Minnesota that does not have access to natural gas and has:
 - a demonstrated thermal energy need of 1-5 mmBTU;
 - the potential to use commercially-proven biomass technology with fuel sourced in part from sustainable forest resources;
- Can provide a cash match for 25% of the total cost of the awarded feasibility study (total cost of feasibility study not to exceed \$25,000).

What can the team do for you?

- Interested applicants should schedule a free one-day site visit from the Statewide Wood Energy Team to do a preliminary evaluation of a wood energy system installation



Need More Information?

<http://www.dnr.state.mn.us/forestry/biomass/swet.html>

Add your name to the list on the above website to receive regular updates!

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QUESTIONS?
