

# Regulatory Decisions & Impacts on Industry

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# New Hampshire Biomass Programs

- Residential and C&I Wood Pellet Boiler and Furnace (Central Heating Systems) Rebate Programs
- RPS Competitive Grant Program
- REC program – Thermal & Electric

# What's New for NH Biomass Programs?



# Residential Wood Pellet Boiler and Furnace Rebate Program Changes

October 2012 – July 9, 2016 Program	Current Program
30% of system cost up to \$6,000	40% of system cost up to \$10,000
3 tons of bulk fuel storage minimum	3 tons storage + \$100 per ton for fuel storage systems larger than the 3 ton minimum requirement, up to a maximum of \$500.
Particulate Matter $\leq$ 0.32 lb/MMBtu	Particulate Matter $\leq$ 0.10 lb/MMBtu

## Other Regulations

Thermal efficiency rating of 80% or greater.

See [Step 1](#) for complete Program Terms and Conditions.

# Commercial & Industrial Wood Pellet Central Heating Systems Rebate Program Changes

December 2013 – July 9, 2016 Program	Current Program
30% of system cost up to \$50,000	40% of system cost up to \$65,000
3 tons of bulk fuel storage minimum	3 tons of bulk fuel storage minimum
Particulate Matter $\leq$ 0.32 lb/MMBtu	Particulate Matter $\leq$ 0.10 lb/MMBtu
	\$5,000 towards meter for systems that become REC eligible.

## Other Requirements

Efficiency of 80% or greater measured using the higher heat value of the fuel.

Participation in EPA Portfolio Manager program

See [Step 1](#) for complete Program Terms and Conditions

# Competitive Grants Awarded

Grant Awarded to Biomass Projects*		
Year	# Biomass Grants	Total \$
2016	<i>Not yet approved</i>	<i>Not yet approved</i>
2015	2	\$625,000
2014	1**	\$150,000
2013	4	\$750,000
2012	3	\$445,000
2011	1	\$51,850

\*The table highlights only grants awarded to Biomass Projects.  
For a complete listing of grant awards, please see:

<http://www.puc.nh.gov/Sustainable%20Energy/RFPs.htm>.

\*\* Grant awarded but not accepted.

# Thermal REC Program

Facility Type	# Participants	MW Equivalent
Hospitals	2	5.96974
Business/Manufacturing	4	4.15680
Schools	17	6.09664
<b>Total</b>	<b>23</b>	<b>16.22318</b>

# Thermal REC Program - Rules

## Rules for Thermal Biomass Facilities Puc 2505.04(h)

### Particulate Matter (PM)-

- Facilities  $> 3$  MMBtu/hr &  $< 30$  MMBtu/hr design gross heat input,  $PM \leq 0.10$  lbs/MMBtu
- Facilities  $\geq 30$  MMBtu/hr design gross heat input,  $PM \leq 0.02$  lbs/MMBtu

### Nitrogen Oxides (NO<sub>x</sub>)-

- Facilities  $< 100$  MMBtu/hr design gross heat input, Best Management Practices
- Facilities  $\geq 100$  MMBtu/hr design gross heat input, avg. quarterly NO<sub>x</sub> emission rate  $\leq 0.075$  lbs/MMBtu



# How are technical requirements vetted?

- For rebate programs, industry representatives are invited to technical sessions and are able to provide written input through a docketed process.
- For the thermal REC program, the PUC 2500 rules will be open soon and we plan to work with all stakeholders to make necessary adjustments.

# New Hampshire's RPS includes Biomass and Thermal Obligations

- In New Hampshire, the biomass industry supports the North Country economy.
- Purpose of the RPS –
  - Lowers dependence on fossil fuel
  - Potential to lower or stabilize future energy costs
  - Local fuel keeps energy and investment dollars in the state to benefit NH's economy

# Contact info

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