Modern Wood Heating - Structured Custom Program

System Eligibility

1. Automated fuel feed pellet or wood chip boiler
2. Wood system designed to be used as the primary heating source
3. Thermal storage installed when required by the boiler manufacturer or EPA
4. Classified as indoor system and installed inside
5. Wood pellet boilers
    a. **Peak Efficiency of 85%** or greater on a HHV basis[1]
    b. PM2.5 emissions equal to or less than **0.08lbs/MMBtu**[2]
6. Woodchip boilers
    a. **Peak Efficiency of 80%** or greater on a HHV basis[3]
    b. Total PM emissions equal to or less than **0.1lbs/MMBtu**[4]

Program Requirements

1. Square footage of heated area must be >5,000ft^2
2. System Design Review by EVT staff must done before rebate can be secured (see Notes Section)
3. Replacement systems must be offsetting the use of fossil fuels
4. Equipment must be installed by an **Efficiency Excellence Network HVAC–Central Wood Pellet Heating Systems** contractor. No self-installations allowed

Exclusions

- Process heating equipment
- Cord wood systems
- Outdoor wood boilers/furnaces
- Multi-fuel systems that also burn fossil fuels
- Systems replacing piped Natural Gas
- New Construction

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[1] Manufacturers can submit EN303-5 test reports performed by third-party accredited labs and the average value between nominal output and 30% will be taken and converted from LHV to HHV. *We do not intend using the EPA method for estimating the average annual operating efficiency.*

[2] Manufacturers can submit EN303-5 test reports performed by third-party accredited labs and the average value between nominal output and 30% will be taken and converted from grams per cubic meter to lbs/MMBtu. Note the EN303-5 test only captures filterable PM and does not directly align with PM2.5 values.

[3] Manufacturers can submit EN303-5 test reports performed by third-party accredited labs and the average value between nominal output and 30% will be taken and converted it from LHV to HHV. For US manufacturers who custom fabricate each unit (versus the mass produced units from Europe), field testing of efficiency will be considered. *We do not intend using the EPA method for estimating the average annual operating efficiency.*

[4] Manufacturers can submit EN303-5 test reports performed by third-party accredited labs and the average value between nominal output and 30% will be taken and converted from grams per cubic meter to lbs/MMBtu. For US manufacturers who custom fabricate each unit (versus the mass produced units from Europe), field testing of PM emissions performed by third-party accredited firms or agencies will be considered. Note the EN303-5 test only captures filterable PM and does not capture the condensables.

Incentive Structure

- $1.25/ft^2 of heated space connected to the installed wood heating system
- Additional approval will be required for incentives greater than $50,000 (40,000ft^2)

Notes/Additional Info:

- *All projects will be handled through Efficiency Vermont's custom project process. Above incentives will be available when all eligibility requirements are met.*
- *Design Review may include: heat loss calculations, piping schematics, control schematics, etc.*
- *All exclusion to this program (such as process heating or cord wood systems) which result in energy savings and fossil fuel offset may still be eligible for support through EVT's custom program.*
- *EVT wants to be involved with these project as early as possible (before bidding or price is set). We depend on the customer, designer, or installer to inform EVT of these projects when system design and equipment selection is being considered. We cannot guarantee incentives for projects that we are not aware of before design and equipment selection are finalized.*
- *Efficiency Vermont provides comprehensive project technical support. Contacting us as early in the project process as possible will help ensure the best system design and installation.*