Upper Valley Wood Heat Financial Resources

New Hampshire

- **NH Public Utilities Commission pellet boiler rebates**
  - 30% up to $50,000 for institutional/commercial systems
  - 40% up to $10,000 for residential systems
  - [http://www.puc.state.nh.us/sustainable%20energy/RenewableEnergyRebates.html](http://www.puc.state.nh.us/sustainable%20energy/RenewableEnergyRebates.html)

- **Thermal Renewable Energy Certificates**
  - Sell thermal renewable energy certificates based on measured heat output
  - One REC = one megawatt-hour of heat = about $20-25
  - 500 kW boiler = about $25,000/year in revenue
  - T-REC Enterprise Fund will purchase future T-REC generation before project built, provide up front $ to offset capital cost
  - [www.t-recsfund.org](http://www.t-recsfund.org)

- **C-PACE** – municipal authority to create special assessment districts where energy investments by businesses can be paid off through property tax assessments

- **Community Development Finance Authority** – Variety of special energy loans for businesses, non-profits, and municipalities
  - [http://www.nhcdfa.org/energy/program](http://www.nhcdfa.org/energy/program)

*Example:* In 2015 the Tannery Marketplace in Littleton replaced an oil boiler with a pellet system and expanded distribution for $118,000. They received $39,000 in incentives from USDA and the Northern Forest Center. They financed the remainder ($79,000) through a CDFA Clean Energy loan for ten years at 3% for an 8-year simple payback. If Littleton had been eligible for PUC incentives (nearly all NH municipalities are eligible) the payback would've been even quicker.

- **New Hampshire Wood Energy Council** - U.S. Forest Service funding for several services:
  - **Ambassadors** – introduce basics of commercial/institutional wood heating
  - **Coaches** – an expert will be hired at no cost to the building owner to analyze current heating system(s) and building conditions and prepare a report on the suitability / implications of converting to wood heat
  - **Feasibility Studies** – Full technical analysis of options and economics for qualified projects (cost-share required)
  - [www.nhwoodenergycouncil.org](http://www.nhwoodenergycouncil.org)

November 2, 2016
Vermont

Clean Energy Development Fund - Small-Scale Renewable Energy Incentive Program

<table>
<thead>
<tr>
<th></th>
<th>FLAT-RATE INCENTIVE</th>
<th>CUSTOM INCENTIVE</th>
<th>CUSTOM INCENTIVE</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>RESIDENTAL,</td>
<td>RESIDENTAL,</td>
<td>PUBLIC-SERVING</td>
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<td></td>
<td>COMMERCIAL/INDUSTRIAL</td>
<td>COMMERCIAL/INDUSTRIAL</td>
<td>INSTITUTIONS</td>
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<tr>
<td>BASE INCENTIVE</td>
<td>$3,000</td>
<td>$1.25 per sq-ft heated space connected to the system</td>
<td>$1.25 per sq-ft heated space connected to the system</td>
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<tr>
<td>MAXIMUM BASE INCENTIVE</td>
<td>$3,000</td>
<td>$60,000</td>
<td>$80,000 or 50% total installed cost, whichever is less</td>
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<tr>
<td>THERMAL STORAGE TANK ADDER CALCULATION</td>
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<td>MAXIMUM THERMAL STORAGE TANK ADDER</td>
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<td>CUSTOMER LIFETIME CAP (WITH ADDERS)</td>
<td>$70,000</td>
<td>$70,000</td>
<td>$95,000</td>
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</table>

http://www.rerc-vt.org/

Efficiency Vermont
- $2,000 rebate for both residences and businesses

Heat Saver loans
- Attractive, flexible financing options from the Public Service Department
- http://heatsaverloan.vermont.gov/

Federal
- USDA Rural Energy for America Program
  - Grants and loan guarantees for rural small businesses and agricultural enterprises
  - 25% of capital cost up to $500K, loan guarantees up to $10 million
- USDA Community Facilities Program
  - Grants and loan guarantees for certain municipal and non-profit projects
  - Based on median income and size of community; up to 75% of capital cost

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