

# Don't miss out on your chance to convert your facilities' expensive fossil fuel heating systems to efficient and environmentally friendly pellet-fired boiler systems.

*The following information is for reference only. Detailed instructions on how to submit an application for the Public Building Wood to Energy Program can be found with the application at [www.maine.gov/doc/mfs/arra/](http://www.maine.gov/doc/mfs/arra/)*

## **What is The Public Wood to Energy Program?**

The Maine Forest Service is seeking applicants for grants to assist with conversion of at least 15 public buildings to wood or dual-fuel heating.

The short-term goal of the Wood to Energy Program is to maintain jobs, reinstate jobs, or stimulate the creation of jobs through the State Forester, by conducting and promoting wood to energy (Biomass) activities on non-federal lands to achieve healthy sustainable forests.

This opportunity consists of two alternatives, one for large projects likely to have multi-unit installations or even involve multiple structures, and the other for small projects, generally involving single-unit installations.

## **Who can apply for the program?**

The program is open to all Maine public entities or parties with public buildings, including schools, hospitals, state, county, local and tribal governments.

## **Where do I get an application?**

We have included a sample application with facts about Maine Energy Systems for your reference. You should go to [www.maine.gov/doc/mfs/arra/](http://www.maine.gov/doc/mfs/arra/) for detailed instructions and the most recent application information.

## **When are applications due?**

The deadline for the submission of applications is 2 pm January 5, 2010.

## **How do I submit an application?**

Six (6) sealed hard copies of the proposal, plus one electronic copy in Microsoft Word format, must be clearly marked "Maine DOC RFA# 200910535 Request for Applications for Wood-to-Energy Projects Funded Under the Recovery Act of 2009," and delivered to the Division of Purchases, Burton M. Cross State Office Building, 4th Floor, 111 Sewall Street, 9 State House Station, Augusta, ME 04333-0009 no later than 2:00 p.m. local time on January 5, 2010.

## **I have questions about the program. Who should I speak with?**

Mackenzi Keliher, Special Assistant to the Commissioner  
Department of Conservation  
22 State House Station, 18 Elkins Lane  
Augusta, Maine 04333  
Telephone (207) 287-4909  
[Mackenzi.keliher@maine.gov](mailto:Mackenzi.keliher@maine.gov)

## **Can you help me locate a trained contractor to give me an estimate and install a pellet boiler system?**

Yes! Give us a call at 207-824-6749 and ask for Mike Broderick. We can put you in touch with a trained contractor in your area.

# SAMPLE

## PUBLIC BUILDING WOOD TO ENERGY APPLICATION

**Standard Project**

**Custom Project**

<b>General Information</b>	
Applicant:	
Project Location: (Street Address, City/Town, County):	
Facility Type and Name:	
<b>Project Information</b>	
Type of conversion (i.e. oil boiler to pellet boiler):	
<input type="checkbox"/> System replacement?	<input type="checkbox"/> Supplement to Current System?
Age of current system:	
New system manufacturer: <b>Maine Eco Pellet Heating LLC, 8 Airport Road, Bethel, Maine 04217</b>	
Efficiency Rating of New System: <b>(AutoPellet) Varies with modulation level from 83% to 87%</b>	
% fuel supply from certified sources: <b>100%</b>	
Estimated gallons of fuel oil displaced and cost savings:	
<b>Economic and Community Benefits</b>	
Number of Jobs Created:	Number of new jobs after 5 years:
Number of Jobs Retained:	Number of retained jobs after 5 years:
Additional Job Creation/Retention information:	
Community Support/District Heating Project Impact:	
Planned use of savings realized from the project:	
Population benefiting from the project:	
<b>Contact Information</b>	
Primary Contact Name:	
Title:	
Organization:	
Address:	

If you have, or want to build, a separate chimney for a second boiler system, using one boiler to supplement another is fine. However, there is no need for a liquid fuel boiler to be maintained as a back-up for a modern, automatic pellet boiler system; such systems are as reliable as their liquid burning predecessors.

2009-2010 bulk delivered pellet prices are \$260/ton for loads of 9 tons, or greater. That is the equivalent of #2 heating oil at \$2.165/gallon. (1 ton of pellets = 120 gallons of #2 heating oil)

Comparisons of EIA oil price projections and FutureMetrics pellet price projections show oil price increases almost exactly double those of wood pellet prices in the New England marketplace with fuel prices projected to increase at approximately 6.6%/annum and pellet prices projected to increase at approximately 3.3%/annum. The base prices on which those build have #2 heating oil statewide at costs roughly 30% greater per heat unit than those pellet quantities purchased in institutional quantities (9 tons or greater lots).

Of even greater regional impact is the fact that 22% of each dollar spent on heating oil remains in the regional economy, while 100% of each dollar spent on regionally produced wood pellets benefits the regional economy.

### Forest Products Jobs Created by Pellet Production

*(per 100,000 tons per year of pellets)*

Chipping Jobs.....	17
Pellet Mill Jobs.....	24
Logging Jobs .....	341
Trucks per day (365 days/yr) to Deliver Pellets to Retailers .....	13
Trucking Jobs (Logs and Chips).....	68
Trucking Jobs (Pellets to Retailer).....	7
<b>Total .....</b>	<b>470</b>

SAMPLE

**Project Summary**

Describe in detail the conversion you wish to accomplish. Include the manufacturer and age of the current system as well as the system you will be installing. Provide information on the efficiency of your current system and the efficiency rating of the proposed system. Indicate the provider of the wood fuel chosen and steps to ensure that, to the extent possible, you will be using wood from certified sources. Detail the current fuel usage and the anticipated volume of wood fuel that the conversion will require. Provide documentation relative to the shovel readiness of the project, including any necessary permitting or approvals necessary to initiate your project upon award of funding. Limit this narrative to one page.

Maine Energy Systems' AutoPellet systems are assembled in the U.S. with boiler vessels manufactured in the U.S. and skin parts manufactured in Europe. The boilers are ASME H stamped; the systems are tested to UL 391 and CSA 366.1 standards.

Pellets distributed by Maine Energy Systems for its residential and institutional providers are manufactured either from mill by-products or from raw wood certified sustainably harvested by a third-party certifying agency.

Applicant:  
Date:

SAMPLE

<b>Budget</b>				
Total Project Cost: \$		Grant Amount Requested: \$		
Matching Fund Amount (minimum 10% of total cost): \$				
Percent of Public Funding:				
<b>Budget Breakdown</b>				
Category	Wood to Energy Funds	Cash Match	In-kind Match	Total
Personnel				
Travel				
Supplies				
Contractual				
Indirect Costs				
<b>Total</b>				

<b>Schedule</b>		
Days to begin following grant award:		Estimated project duration:
<b>Proposed Timeline</b> (add rows as needed)		
Task	Estimated Days/Months following grant award	Expected Completion Date
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		