



## PENNSYLVANIA FUELS FOR SCHOOLS AND BEYOND

Promoting renewable energy to Pennsylvania schools and businesses

### Biomass Energy Project Assessment Workshop

17-18 December  
Clearfield County Career & Technology Center  
1620 River Road, Clearfield, PA  
Cost: \$10 per person



Biomass heat is growing in popularity for commercial and institutional buildings – schools, hospitals, and even greenhouses are finding that biomass heat is clean, economical, and renewable. You are cordially invited to register for a hands-on, 1- ½ day workshop that will train you to assess whether or not biomass heat is a feasible option for a building. Case studies, example problems, and a site visit to a working facility will be some of the highlights of the event. The extremely modest \$10 registration fee includes handouts as well as lunch and coffee on Day 1.

#### Workshop Content

We will be using the PA Fuels For Schools and Beyond “Pre-Feasibility Assessment” program as our guide such that successful workshop participants will be equipped to take part in the program. The workshop agenda is as follows:

#### **DAY 1: Thursday, 17 December**

9:30	Welcome and introductions
9:45	The FFS&B Pre-feasibility Form and Process
10:00	Review of Conventional Heating Systems
10:30	Break
11:00	Heating System Components - what they do, and how they work
12:00	Lunch
13:00	Typical Biomass Combustion Systems
14:00	How to Carry out the Analysis
14:30	Break
15:00	Step-by-Step Example of the Assessment Process
16:30	close

#### **DAY 2: Friday, 18 December**

9:00	Reconvene, discuss tour site
9:30	Tour of biomass system

#### Who should attend?

Anyone who is interested in learning how to determine if a building is a good match for a renewable, sustainable, low cost biomass heating system is welcome to attend. You needn't be an engineer to attend, but you should have at least some knowledge of buildings and heating. People who have attended one of the FFS&B workshops are in a very good position to benefit from the event.



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**Registration:**

### **Biomass Energy Project Assessment Workshop**

December 17-18, 2009

Please fill out the following registration form and fax or mail it NO LATER THAN DECEMBER 8<sup>th</sup> to:

PA Fuels for Schools and Beyond;  
c/o Pocono Northeast RC&D Council  
1300 Old Plank Road  
Mayfield, PA 18433.  
Fax number: 570-281-5379.



Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Registration Fee: **\$10 per person**

Please make check or money order payable to:

***Pocono Northeast RC&D Council  
1300 Old Plank Road  
Mayfield, PA 18433***

If you have any questions, please contact

Ryan Koch (Ryan.Koch@pa.usda.gov, 570-282-8732 ext.610)  
or Dan Ciolkosz (dec109@psu.edu, 814-863-3484)

**Lodging Information:**

Several hotels are available in the Clearfield area. However, a block of rooms has been set aside at the Clearfield Hampton Inn for a discounted rate of \$70 per night. Call 814-765-8300 for reservations and use the group code "F4S" (think Fuels 4 Schools).

This workshop is sponsored by PA Fuels for Schools and Beyond, Pocono Northeast RC&D, and Penn State Cooperative Extension.