

Biomass Heating Opportunity



Cost Share for Preliminary Feasibility

North Country Woody Biomass Conference
May 13, 2008

Next Steps - Solicitation

- **Up to 10 pre-feasibility studies**
- **75% cost share (\$3,000) provided for each study**
- **Applications due by June 15**
- **Candidate selection by July 1**
- **Site visits July and August**
- **Studies complete by Sept. 30**
- **Follow-up site visits October**

Application

Page 1

List each building, its size and whether it is connected to a central boiler plant

Any imminent construction plans?

North Country Wood Biomass Alternative Energy Feasibility Project
for
Municipal and Institutional Facilities

Application for Preliminary Feasibility Study

Date form completed

Send completed form by June 15, 2008 to:

Sloane Crawford
New York State Dept. of Environmental Conservation
625 Broadway
Albany, NY 12233-4253
518-402-9415

Facility Information:		
Facility name and mailing address	Size of heated space in square feet:	
	Year of construction:	
	Years of major renovation(s)	
	First renovation:	
		Second renovation:
Contact person for questions regarding this form:	Type of facility (check one)	No. of students or occupants
Name:	<input type="checkbox"/> Public School	
Title:	<input type="checkbox"/> College/University	
Phone :	<input type="checkbox"/> Hospital	
Fax :	<input type="checkbox"/> Prison	
E-mail address:	<input type="checkbox"/> Other	
If the facility has multiple buildings, list each building below, give its size in square feet and state whether it is heated from a central boiler plant		
Name of building	Size in square feet	Central boiler?
Ex. Franklin elementary school	25,000	yes
An opportune time for adding a boiler is when a facility is undergoing an expansion or major renovation. Do you have any plans for expansion or major renovation in the foreseeable future? If so please describe below.		

Application

Page 2

Type of heating systems

Size of heating systems

Energy audits?

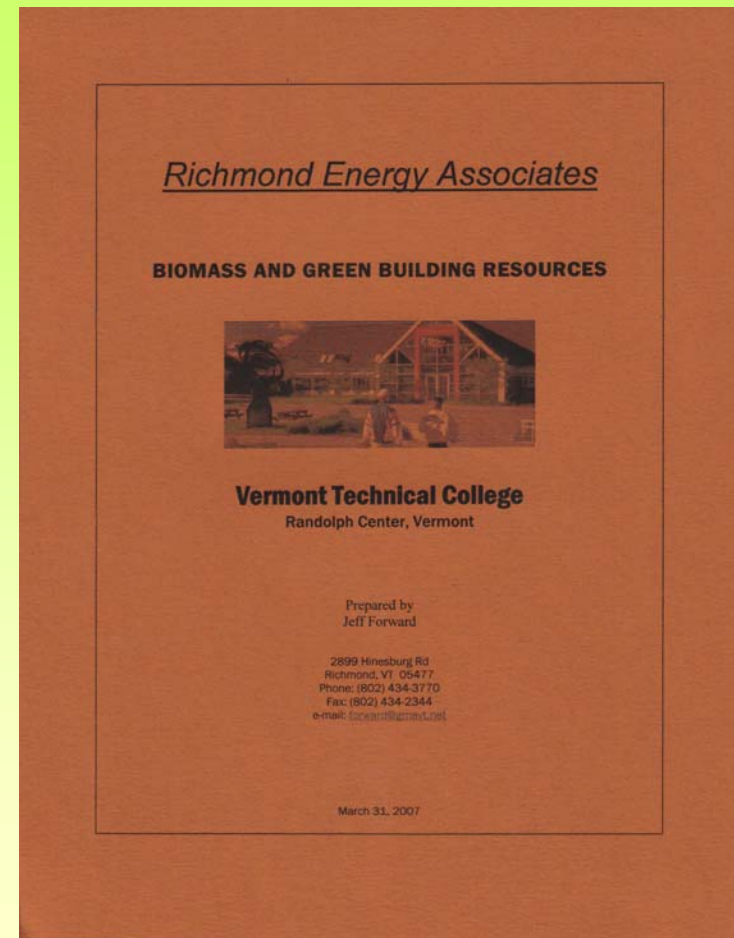
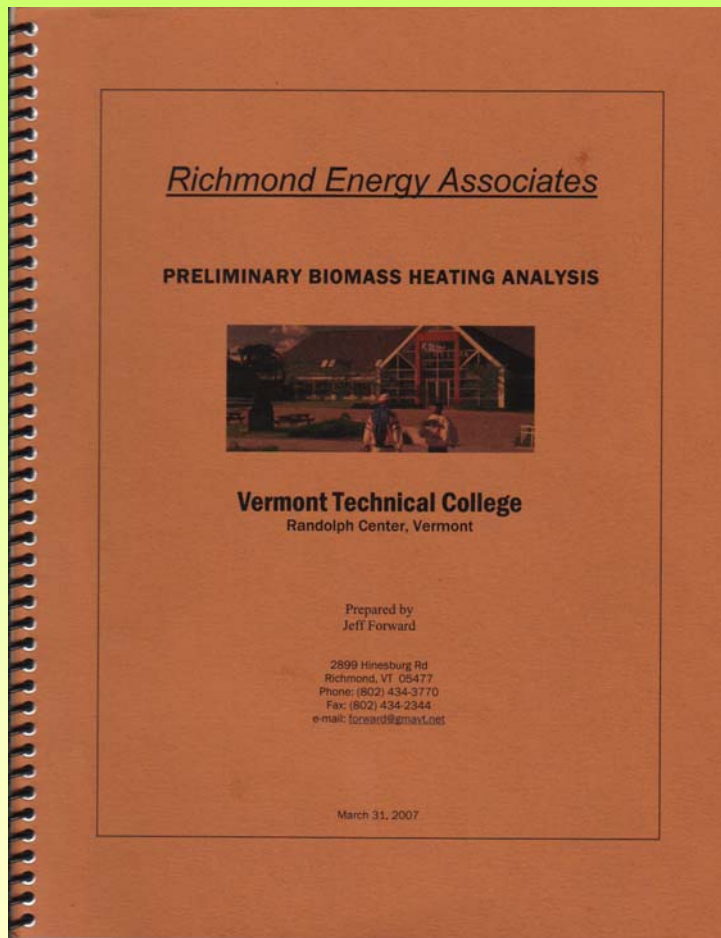
Fuel bills

Heating System		
How is heat delivered to rooms? (check all that are applicable)		How is heat generated?
<input type="checkbox"/> Hot water <input type="checkbox"/> Steam <input type="checkbox"/> Ducted air <input type="checkbox"/> Electric resistance		<input type="checkbox"/> Hot water boiler <input type="checkbox"/> Steam boiler <input type="checkbox"/> Hot air furnace <input type="checkbox"/> Electric baseboard <input type="checkbox"/> Electric duct coils <input type="checkbox"/> Rooftop packaged units <input type="checkbox"/> Heat pumps
<input type="checkbox"/> One heating plant in one location? <input type="checkbox"/> Different heating plants in multiple locations? <input type="checkbox"/> Individual, room by room heating systems?		
Heating equipment		
List each piece of heating equipment separately below. Include size in boiler horse power or BTU and state what fuel it uses, i.e. Natural Gas, #2 fuel oil, heavy oil, LPG, Coal, other		
Size	Type of Heater	Fuel Type
Ex. 3.5 MBtu or 200 BHP	Hot water boiler	#2 fuel oil
If buried steam lines or hot water lines are used to connect multiple buildings to a central boiler plant, what condition are the lines? Circle one: Poor Fair Good Excellent		
Other information		
Describe your fuel storage for each heating fuel storage tank		
Tank Capacity	Date installed	Fuel Type
Ex. 10,000 gallon buried	1953	#2 fuel oil
Is your domestic hot water heated from a central boiler? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Has your facility recently undergone an energy audit? If so when?		

Required Attachments

1. If the facility has multiple heating plants in separate locations, please provide a rough sketch on a separate page of the campus and locate each heating system on the sketch. Feel free to use a pre-printed campus map or building floor plan if one is available. Provide size of heating plant in boiler horse power or Btu, for each system and state what fuel is used for each system. Place on map location of any storage tanks used for heating fuels and their size.
2. Please provide at least two full years of heating fuel records with volumes of fuel used for each heating plant. For example if some buildings are heated from a central boiler plant using natural gas and others have stand-alone fuel oil boilers, list each separately with volumes for each. If your domestic hot water is not provided by a central boiler, list each account separately and identify which fuel is used for which equipment. Often it is easiest to get this information from your fuel dealer as a printout of fuel deliveries.
3. Please provide a copy of your latest fuel bill for all accounts on site that includes account number and cost of fuel.

Preliminary Feasibility Analysis and Resource Binder



Questions?

CONTACT INFORMATION

Jeff Forward
Richmond Energy Associates
2899 Hinesburg Rd
Richmond, VT 05477
(802) 434-3770
forward@gmavt.net