



Oregon Business Energy Tax Credit
Biomass, Wind, Hydro, Geothermal
Appendix No. 1 to Preliminary Certification Application

This appendix is for facilities using or producing renewable energy resources and is not for biomass infrastructure, solar photovoltaic or solar thermal systems, please use the appropriate appendix form. If the facility contains additional conservation measures, they should be applied for separately using the appropriate applications.

1. Facility goals —What will you do with the energy generated? (Check one.)			
<input type="checkbox"/> Sell it only to a utility or energy service supplier. (If checked, skip questions 2 and 3.)			
<input type="checkbox"/> Use it on-site only. (If checked, skip question 5.)			
<input type="checkbox"/> Use it on-site AND sell it to a utility or energy service supplier. (If yes, answer all questions.)			
2. Energy use without facility —Calculate the energy use for the past year for the building or process the facility will serve. Show how the proposed system will accommodate both power and demand.			
a. Energy use for the past 12 months:			
Electricity: _____ kWh	Natural gas: _____ therms	Oil: _____ gallons	Other (specify fuel/units): _____
b. Show how you calculated your answer. Use the space below or attach separate sheets. (Attach a copy of utility bills for the past 12 months if the building or process user is on a meter.)			
c. What is the peak demand? _____ kW or therms			
d. When does peak demand occur?			
3. Conventional energy use displaced through facility —Show net conventional energy use displaced by the facility per year. “Net” is what is left after subtracting the energy used to run the facility.			
Electricity: _____ kWh	Natural gas: _____ therms	Oil: _____ gallons	Other (specify): _____
Show how you calculated your answer. Use the space below or attach separate pages.			

d. Does the power sales contract have seasonal and time-of-day clauses? No Yes
(Please explain)

e. Is there a penalty for under-production? No Yes (Please explain)

f. Total first year energy revenue = \$

g. If applicable, what is the facility's estimated sale of energy?

	kW X	\$/kW/year =	\$ annual capacity payment
therms X		\$/therms/year =	

h. Total annual revenue: \$

6. Facility description. Attach separate pages if needed.

a. Sketch the facility layout. Label major equipment, such as pumps, generators and boilers. Use arrows to show directions of energy flow. Include flow rates in units such as gallons per minute, cubic feet per minute or pounds per hour.

b. List the manufacturer, model number, and size or rating of major pieces of equipment. For a wind facility with turbines of 100 kW or less, attach a test report for each model of turbine.

c. Describe the control and protection equipment. Is it a DC, single-phase or three-phase system? Will the equipment protect the developer as well as the utility?

d. Describe any needed transmission system. Is it overhead or buried? Describe installation of the lines.

e. If the utility's system must be upgraded, explain. Who will pay for the upgrade? Who will own the utility upgrading hardware that you pay for?

7. Licenses and permits—List all federal, state, and local licenses and permits the facility requires.

License/permit type	Issuing agency	Status of application (check all that apply)				
		Developed	Applied	Approved	Denied	Appealed
		Developed	Applied	Approved	Denied	Appealed
		Developed	Applied	Approved	Denied	Appealed
		Developed	Applied	Approved	Denied	Appealed

8. Equipment specifications and estimated facility cost—List the brand name, model and cost of each major piece of equipment. Attach performance specifications. If more space is needed, attach a separate sheet.

Material:	Estimated cost:
Labor:	Estimated cost:
Engineering:	Estimated cost:
Other: (Do not include Business Energy Tax Credit review costs)	Estimated cost:
Total of Estimated Costs from above:	a. \$
Deduct any federal grants: Note: OAR 330-090-0110 (20)(I) The sum of any rebates or cash payments under ORS 469.631 to 469.645, 469.649 to 469.659, 469.673 to 469.683, or 757.612(5)(a), or from a public purpose organization and the Business Energy Tax Credit may not exceed eligible costs.	b. \$
TOTAL Estimated facility Cost Take a and subtract b to get the Total Estimated facility Cost (c)	c. \$

9. Simple payback period—Calculate how long the facility will take to pay for itself.

a. Total estimated facility cost (See Section 8c)	\$
b. Facility value. (Enter zero for any item below that does not apply to your facility.)	
1. Cost savings per year (See Section 4d)	\$
2. Total first year fuel savings revenue (no escalation)	\$
3. Total facility value (8c)	\$
c. Simple payback: total eligible facility cost(8c) ÷ total facility cost savings (4d)	years

10. Project Funding		
	Amount	Secured – Y/N
Total project cost	\$	
Owner's funds	\$	
SELP Loan	\$	
Other funds	\$	
_____	\$	
_____	\$	
Federal funds	\$	
_____	\$	
_____	\$	
Utility Incentives	\$	
_____	\$	