

**Form W: Wind Energy Systems
Utah Renewable Energy Systems Tax Credit
Investment Tax Credit Certification**



This form must be completed by all applicants seeking Utah tax credits for a system producing electricity from the wind and that has a generating capacity of less than 660 kilowatts.

Taxpayer Name

Social Security Number or Federal ID Number

Does your wind energy system feed power into a building's electrical system? Yes No

If not, explain how the power is used

Is the building for which you are providing power connected to a utility's electrical grid?

Yes (Include net metering / interconnection agreement; see instructions)

No

If no, how far is the building from the nearest utility power lines?

Does your wind energy system include batteries?

Yes

No

If yes, enter the make and model

Number of batteries

Volts

Amps per battery

List make and model of wind turbine

Number of turbines

Capacity (watts) of each turbine

Does your turbine produce AC or DC electricity? AC DC

List make and model of inverter(s) (see instructions)

Number of inverters

Total cost of your wind energy system

Total eligible wind energy equipment cost (see instructions)

Total eligible wind energy installation and other costs (see instructions)

Total eligible wind energy system cost (sum of equipment, installation, and other)

Reasonable cost limitation (see instructions)

Enter amount of credit claimed for the wind energy system above (see instructions)

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Equipment Vendor Information

Name
Street Address
Town/City State Zip
Phone

Project Installer Information (see instructions)

Name
Street Address
Town/City State Zip
Phone

Contractor License Number License Type

I certify that I installed the wind energy system described on Forms A and W of this application.

Signature Date

System Certification (see instructions)

Name of Certifier
Street Address
Town/City State Zip
Phone

Contractor or Inspector License Number

License Type

I certify that I have inspected the wind energy system described on Forms A and W of this application. I further certify that upon inspecting this system I have found it to be a safe system and that it conforms with the National Electric Code and with all other building and safety codes applicable within the State of Utah at this time.

Signature Date

REMINDER: Documentation of your wind energy system must be attached. See Form A for general documentation requirements. Also see the instructions for documentation requirements that are specific to wind energy systems.

Instructions for Form W: Wind Energy Systems

NOTE: Use this form only if you have installed a wind turbine or turbines with less than 660 kW of rated generating capacity each. Also, under Utah law, each wind turbine that is used at a commercial facility is eligible for a separate tax credit. If you have more than one commercial turbine, this means that each one is eligible for up to \$50,000.

Net Metering/Interconnection Agreement:

Wind systems that are connected to a utility's electrical grid, either directly or through a building, must meet all interconnection standards of the local electrical utility and must include a copy of an interconnection or net metering agreement with the utility with this application. If the utility does provide a net metering policy, documentation from the utility acknowledging that the system is interconnected to their service territory is required.

List make and model of inverter(s):

If your turbine produces DC power, an inverter transforms the DC power from your turbine into alternating current for use in a building or to place onto the electrical grid. List here the company that made your inverter and the model number. Note that in order for inverters to be eligible for tax credits in Utah, inverters and charge controllers must be certified for safety by a Nationally Recognized Testing Laboratory as having met UL Standard 1741. (Note that some turbines have internal inverters. Enter information here only if your inverter is separate from your turbine.)

Eligible Equipment Costs:

In order to be eligible for tax credits, wind systems with individual turbine capacities of 50 kilowatts or less of generating capacity must be listed as eligible under the California Emerging Renewables Program. This list may be found at the following site:

http://www.consumerenergycenter.org/cgi-bin/eligible_smallwind.cgi.

If a turbine is not included on the California list, a turbine may still be eligible if the applicant can demonstrate to USEP that the turbine meets standards that are equivalent to those of the California Emerging Renewables Program as of calendar year 2007.

Batteries and charge controllers are not eligible if the wind energy system is connected to the electrical grid or is located within one quarter mile of a utility's power lines.

Batteries and charge controllers are eligible only for systems that are not connected to a utility's electrical grid and are more than one-quarter mile from an electric utility's service lines.

Wind turbines mounted on buildings are not eligible unless it can be demonstrated by a professional engineer that the building's soundness and structural integrity are not

compromised by the wind energy system and that the attachments of the system to the building are sufficient to withstand the most extreme local weather conditions.

Wind energy systems must include lightning protection to be eligible for residential or commercial tax credits. Wind turbines must also be covered by a manufacturer's warranty that guarantees against defects in design, material, and workmanship for at least five years after installation under normal use in a wind energy system.

In order to be eligible for a residential or commercial tax credit, a wind energy system must also comply with all local building or zoning ordinances. Copies of any required permits should be included with the tax credit application.

Eligible installation and other costs:

Design and installation costs are eligible, but only those costs associated with the installation of eligible wind energy equipment can be credited. The cost (if any) of obtaining an easement necessary for the installation of a wind energy system is also eligible.

Reasonable Cost Limitation:

Under Utah code, taxpayers are entitled to established percentages of the reasonable cost of renewable energy systems. USEP is authorized to make a determination of reasonable costs and to limit tax credits based upon that finding. Based upon research and consultation with members of the wind industry, USEP has determined that the eligible costs of a wind energy system are reasonable when they are not more than \$8 per watt of installed capacity.

To calculate your reasonable cost limitation, multiply the total installed capacity of your system (entered above on Form W under "Capacity (watts) of each turbine") by \$8.

Enter amount of credit claimed for the PV system:

For a residential system:

- Step 1 – Begin by comparing your total eligible costs to the reasonable cost limitation above. If the cost of your system exceeds the limitation, use the reasonable cost limitation amount to go to Step 2. If your total eligible costs are less than or equal to the reasonable cost limitation, use your total eligible costs amount for Step 2.
- Step 2 - If you received a refund or rebate for your system, subtract that amount from the amount from Step 1. Do not subtract the value of any federal tax credits you have received or may claim. (Note: Any refunds and rebates should be listed on Form A.)

- Step 3 - Multiply the amount from Step 2 by 0.25.
- Step 4 - If the amount from Step 3 is less than \$2,000, enter that amount on Form W for your credit amount. If the amount from Step 3 is \$2,000 or higher, enter \$2,000 for your credit amount.

For a commercial system:

- Step 1 – Begin by comparing your total eligible costs to the reasonable cost limitation above. If the cost of your system exceeds the limitation, use the reasonable cost limitation amount to go to Step 2. If your total eligible costs are less than or equal to the reasonable cost limitation, use your total eligible costs amount for Step 2.
- Step 2 - If you received a refund or rebate for your system, subtract that amount from the amount from Step 1. Do not subtract the value of any federal tax credits you have received or may claim. (Note: Any refunds and rebates should be listed on Form A.)
- Step 3 - Multiply the amount from Step 2 by 0.10.
- Step 4 - If the amount from Step 3 is less than \$50,000, enter that amount on Form W for your credit amount. If the amount from Step 3 is \$50,000 or higher, enter \$50,000 for your credit amount.

Installer Information:

Under the rules governing renewable energy tax credits, there is no requirement that the installer of a wind energy system be a licensed contractor. If a licensed installer or contractor installed your system, be sure that he or she provides their information here. If you or another unlicensed individual installed the system, you must still provide information on that installer. In that case, leave “Contractor License Number” and “License Type” blank and complete all other sections, including a signature.

System Certification:

Utah’s rules do not require that a wind energy system be installed by a licensed installer. However, in order to ensure the safety of all systems, all wind energy systems must be designed and installed consistent with the National Electric Code. In order to be eligible for a residential or commercial tax credit, a wind energy system must be certified for electrical safety by either

1. A professional electrician licensed by the State of Utah;
2. A county or municipal building inspector licensed by the State of Utah.

The system certification section must be completed and signed by a person in one of the categories above in order for you to receive a tax credit for a wind energy system. This person may also be the installer if he/she has the required license.

System Documentation:

Form A lists general documentation requirements that apply to all renewable energy systems. In addition to those requirements, documentation submitted for a wind energy system must also show that the system has been sited and installed appropriately.

Specifically, the system should be

1. Installed such that the central tower or pole upon which the turbine is mounted is located a distance at least equal to one and one-half times the height of the tower or pole from any buildings, utility poles or overhead utility lines, fences, roads, or other structures outside of the boundaries of the taxpayer's property.
2. Installed such that wind flowing to the system is not obstructed or airflow diminished or turbulence created by nearby trees or other vegetation, buildings and other structures, hills, cliffs, or other topographical obstructions.

The photographs included with a wind energy system application should include views of the system from all angles such that USEP can verify appropriate siting. USEP also reserves the right to conduct a site visit to verify appropriate siting.