

## **Domestic Electric Power - Build Windmill For Electric**

*By Andy O'Sullivan*

*Dated: Jul 03, 2009*

*Find out how domestic electric power can help you save money on your electrical expenses plus learn how you can build windmill for electric.*

Windmill For Electric - A windmill is a device that converts wind energy into other types of energy. It uses wind power to make mechanical energy for rotating its blades which in turn helps produce electrical energy. The windmill is a very useful machine in times of energy crisis. The windmill is now a system that produces electricity for homes; back then, it is used for pumping water and towing boats.

In the current situation of extreme energy crisis across the globe, it only makes sense that we look for alternate energy solutions. The windmill proves to be an economical option, especially in farms and in the countryside. A windmill may not be the optimum solution in a highly-populated area.

What are the prerequisites for setting up a windmill?

- The place where the solution is to be implemented should have an area of at least one acre. It is not advisable to set up a windmill in a smaller area as the windmill blades will not be able to capture enough wind power for the windmill to work.
- The average speed of wind in the area should approximately be 11 miles per hour. It is not advisable to employ the windmill at a site where factors like high-rise buildings and tall towers block the wind. You also need to make sure that the wind speed is consistent at your site.

What are the components of a windmill?

- **Blades:** These blades are responsible for making use of the wind energy. Blades are typically made of wood or plastic.
- **Tower:** The tower is the pillar that holds the system high enough to be able to use the wind. They are made up of hard material such as poly-vinyl chloride.
- **Shaft:** The shaft is used to join the blades to the tower, at the same time allowing them to rotate smoothly.
- **Base:** The base of the windmill is what holds the tower and the blades.

How is a windmill set up?

You will find ready-to-install windmill kits in the market. Consult an expert to choose the one that best suits your place and needs. If you would like to choose the components personally and set the windmill on your own, make sure you seek professional help; a mismatch of size in the components will make your windmill useless.

The implementation of a windmill is not considered very cheap; however, it turns out a huge money saver in the long run when the cost of producing power becomes zero. It has been observed lately that people are implementing wind power solutions even at places with the average speed of power less than 11 miles per

hour. Ideally, the average speed of wind at the site you propose to set up the windmill at should be 11 miles per hour, but a slightly lower average is also reaping good results for people.

One thing that dissuades people from setting up a windmill is the initial cost. However, one can set up a windmill at home at a much less price. It is, however, important to consider certain things while setting up a windmill on your own.

- Get a good plan to make a windmill for electric. Keep in mind the output you want the windmill to generate.
- Look for sturdy components. Your windmill should not get damaged by heavy winds.
- Compare the prices of the equipment in the market and go for the components that suit your budget and your site.

When looking for a windmill plan, look for the following features:

- Illustrations: Visual descriptions work better than only-text ones. If your windmill guide has illustrative descriptions, it makes your task easier.
- Easy language: If your windmill-making guide uses a lot of jargon and technical information, it is better to look for a different one. Look for one that has easy-to-understand language making your task fluid.
- Component descriptions: Your windmill guide should be able to provide you with detailed visual and textual descriptions of all the components you need to use. It is also important that the guide tells you which type of component works best for a site like yours.
- Local information: If your guide gives you information about the best available equipment in Europe while you are reading it from a countryside location in western USA, your guide is as good as useless. Look for a guide that provides equipment information of places around you.

If you are interested to learn more about domestic electric power and how to build your own windmill for electric, check out our website at:

<http://www.greeneearth4energy.com>

You may want to get your windmill guide here:

<http://www.earthenergyguide.com>

###

Andy O Silliven is an engineer and author in the fields of electrical engineering. He enjoys writing about the topic and keeping up with current events and research in the area of renewable energy sources.

<http://www.greeneearth4energy.com>

Category	Home, Energy, Environment
Tags	domestic electric power, windmill for electric, windmill, windmills, windmill guide, wind, build windmill
Email	<a href="#">Click to email author</a>
City/Town	West Palm Beach
State/Province	Florida

Zip 31414  
Country United States