

How To Start With Residential Wind Power

If you are looking to reduce your power bill or get off the grid completely, residential wind power is currently the simplest and cheapest way to do it.

A problem with wind power right now is that it is fairly expensive (though not as expensive as solar). If you were to go out and buy a wind turbine, you'll find that they might cost you \$2000 to \$6000 dollars.

If you have the right plans you can build your own, in fact. And it's not complicated, and it's not expensive. you can do it for around \$150-\$300 depending on the amount of power you want to produce.

What will you need to make your own wind generator?

You will need a set of well engineered plans, a work area, simple tools and four to six days.

What are the parts of a wind generator?

There are four main parts - the blades and hub, the body and DC motor, the tail and the tower. It takes the longest to build the blades and the hub of the system, though it is still fairly simple.

The motor is the most expensive component - at around 50-150\$ depending on size. Your manual will detail what size motor you will need and all the technical stuff. The DC motor converts the spinning energy to electricity.

For the body it is best to use double walled stainless steel like that from a chimney pipe or wood stove. It is very cheap and easy to get and will last a long time.

The tail is simple and can be made almost any way you like and decorated anyway you choose.

You can buy or build your own tower. The best thing to do is find an old TV tower and recycle it for you wind generator tower. Many people will even pay you to take them down and get them out of their way.

Now that you know some of the basics, you can see that it's not that complicated or expensive to have your own residential wind power system to run your household. All you need now are the plans to get started.

About the Author

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