

# How Solar Energy Can Free You From ‘The Grid’

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By Michael Jones



This report goes out to everyone who is tired of paying high prices for the privilege of having a few basic necessities in life. One of which is light, another heat, and yet another – air conditioning.

OK, so air conditioning should probably not be considered a necessity, but when it's 105 degrees outside with a humidity of 110%, air conditioning seems pretty necessary!

What I'm talking about is, of course, electricity. In this day and age, everything we use runs off of electricity. Our computers, our radios, dishwashers, fridges, washer/dryer, lights, heaters, you name it.

There are two concerns that I'm going to deal with in this report regarding

electricity. One is the financial side. The second, and perhaps more important, is the environmental side.

Let's deal with the financial side first, since that is going to be easiest to relate to.

I don't have to tell you that electricity costs a lot of money. You probably pay between \$100 and \$500 per month, depending on the size of your house, number of occupants, and habits. That means you're paying \$1,200 to \$6,000 per year to use your computer, play an electric guitar, read a book at night, and keep your food from spoiling.

The reason it costs so much is because, honestly, it costs a lot to make electricity. Plus it costs a lot to maintain the 'grid'.

The 'grid' is what we call the connection of poles and wires. To be on 'the grid' means you're connected to an electrical distribution center. To be off 'the grid' means you aren't. Aside from being Amish that would mean perhaps you have a cabin in the sticks somewhere.

If you really sit and think about all the poles, wire, transformers, generators, etc... that make up 'the grid' it is very easy to see how the cost is pretty high. Not to mention the source for generating the electricity!

In normal electrical production, a large turbine spins and converts kinetic energy to electricity.

Steam, combustion, and water are all used.

With steam, fossil fuels are used, like oil, gas and coal.

On occasion, nuclear energy is used to create the steam that then powers the turbines.

I probably don't have to tell you that this process is not exactly environmentally friendly, nor is it inexpensive.

The wind model is much more friendly, as is the water model.

With water, large quantities of water are made to pass over blades and turn the turbine.

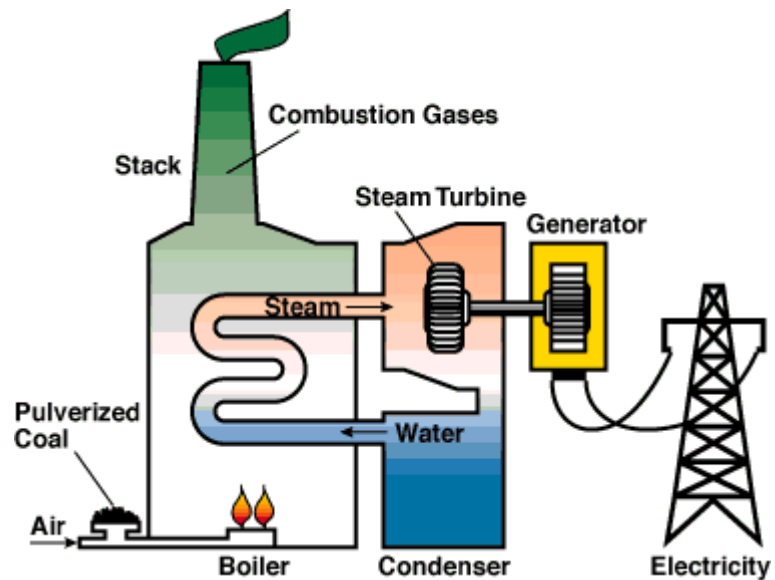
With the wind model, a fan is used to harness the power of the wind to rotate that turbine.

Wouldn't it be nice if we all lived by a lake with a huge stream and could have our very own electric mill? Yeah, it would be...but there isn't a whole lot of room by those streams.

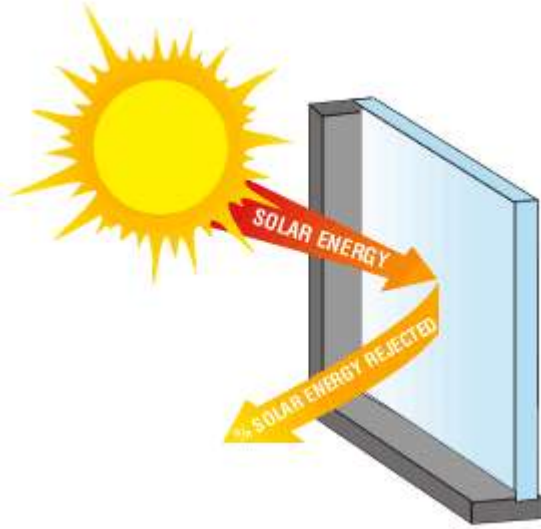
So the equipment is costly, the production is costly, the upkeep is costly (like when somebody hits a pole while taking that sharp corner!), it's no wonder electricity is expensive.

What about the environment? You would have to be a troll living under a bridge to not be able to see that burning coal, gas, and oil isn't 'environmentally friendly'.

It's too bad we can't just harness some free energy source. Something that is constantly running and has been for thousands of years, and doesn't deplete the resources that we have here on Earth.



But wait! Perhaps we can?



## Solar Energy

There is one source of energy that is always there. It can't be turned off, and it won't run out (at least they say it won't for a few million years). This source of energy is the Sun.

The Sun emits a huge amount of solar energy constantly. 24 hours a day, 7 days a week. All we have to do is harness that energy, turn it into electricity, and store it for when we need it.

If we could do that, we would have a virtually free source of energy that would allow us to either save a lot of money on our electric bill, or perhaps even get off 'the grid' altogether.

The good news is, we can and we can do it pretty easily. Using photovoltaics, you can convert sunlight directly into electricity. (You can even use sunlight to boil water and make that steam we were talking about before.)

Years ago, this process was very expensive and wasn't readily available. But now, I can show you how to build the necessary equipment yourself and save thousands of dollars.

Imagine walking through the house and not being upset that the children left the light on in the bathroom! Imagine not having to worry about leaving the air conditioner on or the heater on. If you had all the electricity you needed and it wasn't costing you anything, there are a lot of things that would change in your life, I'm sure.

What I'd like to do is show you some more details about how easy this is for anybody to do, and how simple it is to get started. [Click here to check out this valuable resource.](#)