

# 4 Main Types of Renewable Energy

by Anand Kumar Ashodhiya - Thursday, March 09, 2017

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## The 4 Main Types of Renewable Energy

To date there are the 4 Main Types of Renewable Energy that we are going to produce: wind power, solar energy, hydro energy, and geothermic energy. As the world reaches its energy catastrophe we've to chop again our dependence on non-renewable energy sources, and start producing renewable energy on a big scale.

### Wind Power:

Wind generators have been round for millennia, further once more than the start of Christ. Over the [years](#) they have been used to pump water, drag boats and grind flour. But on the flip of the financial revolution, wind generators have been made to [provide](#) electrical energy.

Although many people envision windmills as these ornate ones in Holland or the small wind-pumps on farms, they have been developed tremendously before now decade. [Now wind](#) turbines are succesful of generate 1000's of megawatts of energy, and when used on a small scale at dwelling, wind power can substitute normal energy sources, serving to households to get off the grid.

### Solar Power:

The solar is basically probably the most accessible sort of energy there could also be, so we must be using it to an even bigger extent. And as know-how advances, households are equipped with a amount of strategies to harness the power of the solar. These strategies embody solar electricity, solar heaters, solar dryers and solar cookers.

With solar electrical and heating strategies, they're every cost-effective, good for the environment, they require little maintenance and allow you to avoid wasting in your utility funds. Solar cookers are very healthful technique of cooking meals, since they put together dinner the meals at a lower temperature-helping to retain its dietary nutritional vitamins and minerals. They are moreover very transportable, making them preferred for vacationers and campers.

### **Hydro Power:**

Initially hydro or water energy was used industrially to rivers and waterfalls to energy waterwheels that will then be used to maneuver water for irrigation or grind flour.

Today hydro energy is utilized in dams to provide electrical energy for households and firms. Hydro-electric energy is generate on an enormous scale the place dammed up water is channeled by means of turbines, which spins a dynamo as a result of it gushes by means of. The best occasion of hydro-electric energy might be the Hoover Dam, which was constructed to supply [electrical energy](#) to Las Vegas. In reality hydro-electric energy is atmosphere pleasant is trendy today that it accounts for over 90% of the worlds renewable energy.

There have been some social and environmental issues about developing dams for hydroelectricity since complete village and communities are flooded by the dam, and the partitions cease positive species of fish from swimming upstream to spawn.

### **Geothermal Power:**

Geothermal energy is often [produced](#) in areas with ongoing volcanic train, the place magma is relatively close to the ground. One such house is Iceland, the place an enormous proportion of its energy is produced from volcanic geysers.

Here, large energy vegetation are constructed over the geysers, the place scorching fast-moving steam from the geysers drives large turbines to make electrical energy. To velocity up the tactic, water is usually pumped once more into the geysers to make further steam, which is then used to drive the turbines as quickly as as soon as extra, thus making it an numerous cycle.

Well, this concludes our transient overview of the 4 most essential types of renewable energy. You can uncover out further in-depth data on each type by learning our totally different articles or wanting our website online inside the hyperlink underneath.

[Source](#) by [Tim McDonald](#)

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