

HOW YOU CAN GAIN ENERGY FREEDOM

MAKING RENEWABLE ENERGY A REALITY

Sun

Solar energy is the most abundant energy resource on earth. With advances in technology, it has become increasingly affordable, with an increasing number of options. Aside from solar panels for homes, Tesla has recently created solar roofs that look like shingles or terracotta. Combined with a battery wall, a four bedroom home can produce the majority of its power, alleviating the need for fossil fuels.

Wind

With this simple and increasingly popular technology, you can generate your own power and cut your energy bills while helping to make America energy efficient. Unlike large-scale turbines, small turbines can be suitable for use on properties as small as one acre of land in most areas of the country, according to the Wind Energy Foundation.

Water

Hydro-power offers the lowest cost per unit of electricity. Hydro-power has been around for centuries. Today, it accounts for a significant amount of renewable energy created around the world.



Have you considered renewable energy as an option for your family? Are you aware of the investment and resources needed to make it a reality? Moving towards a sustainable future will require us to make changes to the way we think about energy production. Although we cannot immediately switch all our power sources to renewable energy sources, we can support the movement now by making improvements in our homes to grow the demand for clean, sustainable energy. Through using solar panels, choosing energy-efficient appliances and investing in other renewable energy sources, we can all take steps towards a brighter, healthier future. See the resources below to learn how you can get started on the road to energy freedom.



Use Sustainable American Energy

Energy Saving Investments

Low To No Cost

- ★ Be mindful - Simply turn off lights when they are not in use
- ★ Unplug appliances when not in use (even when turned off, many appliances keep drawing power when plugged in)
- ★ Use natural lighting as much as possible to reduce artificial lighting
- ★ Turn your heat down and your air up when you are not at home

Medium - Longterm Investments

- ★ Perform energy audits
- ★ Use appliances that have high energy-efficiency ratings (Energy Star appliances)
- ★ Install Energy-efficient thermostat
- ★ Install double-glazed windows or use thermal-backed curtains
- ★ Install a rainwater collection tank
- ★ Insulate your outer walls and attic space and seal air leaks
- ★ Convert to renewable energy like solar or wind at your home

Renewable Energy Resources

Sun

Everything you need to know about installing solar panels in your home in 2018

Energy sage: <https://goo.gl/FoUeP9>

Passive Solar Heating and Cooling (harnessing the sun's energy without solar panels) Smarter homes: <https://goo.gl/E53MJk>

Lease or buy solar panels through Tesla <https://www.tesla.com/solarpanels>

Geothermal

Learn about the cost, installment, and benefits of geothermal heat pumps Home advisor: <https://goo.gl/huAAvb>

Wind

Installing and maintaining a small wind electric system Energy.gov:

<https://goo.gl/pEJji>

Water

Planning a micro-hydro system in your backyard Energy.gov:

<https://goo.gl/NwqPfi>

Energy Use

CCI Energy Audit: <http://getenergysmarter.org/sound-home-plan>

Energyusecalculator.com: <https://goo.gl/sPsFp4>



Pictured- Tesla Solar Roof <https://www.tesla.com/solarroof>