

5 Advantages of Wind Power

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We have the technology, we have the knowledge and we now must shift the paradigm to a more common sense approach to meet our ever increasing demands for more power. We must divert our focus from energy sources that cause wide ranging detrimental affects to our planet and our pocketbook or suffer the consequences.

As we gain momentum to diverge from fossil to renewable resources, our challenges are not easy. Social and economic barriers exist that will continue to pressure the mainstream ideals to keep us continuing down the same path.

The information below defines the top 5 **advantages of wind power** over fossil fuels...

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Top Advantages of Wind Power



Similar to a crack addict, we are happy when the cost for gas is small and access is plentiful. Once the price of Oil surpasses our pain threshold, we again will be forced to re-evaluate our stance for long term independence.

Wind farms are cropping up everywhere across the United States as one of the hot new technologies of the new green economy. Our new administration is touting the reduction of our carbon footprint and reliance on foreign oil as a way to re-invent

our workforce to manufacturer and maintain wind harvesting systems for both commercial and residential purposes.

First, let's talk about the basic advantages of wind power over fossil fuels. Everyone who has ever paid an electric bill knows that running the typical electronic gadgets in your home is not free.

Every month, we write the check that allows our refrigerator, Plasma TV's and Desktop Computers to run. In the summer months, we increase our thirst for energy as our Air conditioning units begin to kick in to lower humidity and temperatures, so we can be comfortable. The more we use, the more we pay.

Our society has become so power hungry, that we take it for granted the plug in our wall will always spout electricity on demand and we never think twice about adding more devices to our homes. As we continue to generate more demand for power and energy, our infrastructure must continue to keep pace.

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Governments are scrambling to provide more and more power to their constituents for residential and commercial needs across the globe. It is human nature to continue down a path until it is too painful to continue. Only then will we begin to go in a different direction, those days are now here.

We have the technology, we have the knowledge and we now must shift the paradigm to a more common sense approach to meet our ever increasing demands for more power. We must divert our focus from energy sources that cause wide ranging detrimental affects to our planet and our pocketbook or suffer the consequences.

As we gain momentum to diverge from fossil to renewable resources, our challenges are not easy. Social and economic barriers exist that will continue to pressure the mainstream ideals to keep us continuing down the same path. Listed below are the top 5 advantages of wind power over fossil fuels:



1. Wind is Free - Everyone knows that moving air (wind) is costs nothing. Converting the wind to energy is the challenge. Although not free, the initial investment in a wind to electricity type system will be needed. Going back 80-90 years, we had to invest in the infrastructure to drill and refine Oil and this will be no different.

2. The Wind is everywhere - Our dependency on fossil fuels has caused some nations to look the other way to ideas and principles that would otherwise be considered barbaric and inhumane. Since the wind is available to anyone who can take advantage of it, removing those dependencies will allow us to be more critical of our neighbors in the global community.

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3. The Wind is environmentally sound. The recent anniversary of the tanker that ran aground in Alaska reminds us all of the devastation fossil fuels have caused to our environment. The wind will never be a negative contributor to the planet.



4. The Wind does not Smell - If you have ever been near a refinery, you know the stench that can permeate the air is foul and undesirable.

5. [Wind is Forever and easy to Find](#) - Even though wind is unpredictable, it will always be available at some time in every location. Although, there are locations that generate more wind, those places are easy to find. With fossil fuels, we spend billions of dollars searching for new sources of crude oil to pump from the ground and they will eventually become less productive.

In conclusion, there are several *advantages of wind power* over fossil fuels. Eventually, our society will come around to do the right thing for our planet in turning to a more environmentally and socio-economic choice in meeting the global power demands.

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Wind Plants - Grow Your Own Power!

Wind is one of the most abundant sources of renewable energy known to man. Unfortunately it is unpredictable and can come in as a subtle breeze or as blustery gusts when the temperature drops or rises quickly. It can blow in on a moment's notice and last for days or disappear for weeks at a time.

One of the holy grails of our generation is to find and capture that energy to use as a source for powering your home. Growing your power through your own home based wind plant is a concept that many would love to understand and implement.

As people tire of handing their money over to utility companies, Middle Eastern economies and other global energy conglomerates, some have begun to explore ways to create a sustainable way to capture and store energy for their own use. Living off the grid is



becoming a more popular idea as technology advances. In addition, the US government is now becoming more serious in moving us to a greener country to relieve us from the dependencies of oil and other climate damaging technologies.

The course will be long and steady, but eventually our creativity and ingenuity will lead us in the direction of a more resourceful and responsible America. As the popularity of natural gas, solar and wind farms become more engrained in our culture, we as individuals will begin to look at

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ways to do our part for our own cost savings and reduction of our carbon footprint.

Harnessing the wind is not a particularly complex process and can be available to anyone who is halfway competent and handy with tools. Essentially, a home based wind plant can be designed and erected in reasonable period of time. However, one must understand that due to the unpredictable nature of wind, it probably will not be the sole source of renewable energy for the household but should be part of a larger energy independent strategy.



Of course, location is critical to the success of developing a wind power plant in your backyard. If you live in higher elevations, chances are wind is much more abundant usable. In addition, living near oceans or lakes can also provide a climate to support a wind power generating strategy.

One drawback many have to overcome is the stigma of having a windmill type of device visible on their property. Although many talk the talk about wind power, it can be quite a different story when they have to erect a tall structure for neighbors to see and comment on.

In conclusion, a [home based wind plant](#) can help in your quest for energy independence, but careful consideration should be focused on the viability of the location and the visual nature that a windmill can bring to a neighborhood.

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Wind Farming - Not Your Father's Garden



Silent, powerful and literally a free spirit that can be as subtle as spring breeze on a hot summer's day, or as violent gusts that can tear apart roofs and uproot trees. The wind has always been a mystery to mankind since the dawn of time.

As we progress into a more technological society, we are constantly looking for ways to control our environment. Harnessing the wind is no exception. [Wind farming](#) is similar in nature to growing vegetables, harvesting them and selling the crop to local consumers. Just like the corn or wheat crop, large wind farms harness wind energy and provide the sustenance needed to the eager consumer ready to gobble up the energy to power their appliances, TVs and computers.

The global community is becoming more aware of our continuous dependencies on oil rich countries and the issues that result as these nations exert their control over the world's thirst for black gold. We as a society are turning our focus to sustainable and renewable resources for meeting our needs today and in the future.

Farming these renewable energy sources becomes more palatable as our dependency on foreign governments continues to erode our relationships and leadership position on the world stage.

Land is being gobbled up across the west and plain states as potential sites for massive wind farms that generate power from a seemingly infinite source to deliver [electricity to homes](#) and businesses throughout the region. The movement is also beginning to take hold at the local level. Homeowners are

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creatively looking to build their own individual [wind farms](#) to supplement their power needs. This can require an initial investment, but can bring long term benefits to supplying power to the family home.

Critical to the success of developing a wind farm in your backyard is location. If you live in higher elevations, wind energy is much more plentiful. Having property near the beach or lakefront can also provide a nice constant breeze to power a [wind energy farm](#). One barrier you may have to overcome is the stigma of having a windmill visible on your property.

Erecting a windmill for power generation, may be too much for neighbors to handle. Some homeowner associations may also frown upon such a system if it takes away from the appeal of the community. However, having a way to generate your own electricity may even make your home more desirable when it is time to sell.



In conclusion, home based wind farming may consist of 1 or more windmills. These farms can be as elaborate as corporate backed commercial project, or it can be a small group of windmills located on a single property in the middle of nowhere. In either case, harnessing the wind can help our quest for energy independence, but careful consideration should be focused on the viability of the location and the issues that may surface from your local community.

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Is Wind an Alternative to Sustainable Energy Or Just Hot Air?



Similar to a crack addict, we are happy when the cost for gas is small and access is plentiful. Once the price of Oil surpasses our pain threshold, we again will be forced to re-evaluate our stance for long term independence.

Wind farms are cropping up everywhere across the United States as one of the hot new

technologies of the new green economy. Our new administration is touting the reduction of our carbon footprint and reliance on foreign oil as a way to re-invent our workforce to manufacturer and maintain wind harvesting systems for both commercial and residential purposes.

However, compared to solar, is the wind an alternative resource that we can hang our hat on? Will it be a technology that will help wean us off of the mainstream fossil fuel wagon we have tied ourselves to?

Like solar, wind is unpredictable. Some locations that have high incidents of wind are not 100%. Wind can also be unmerciful when storms rage and real time gusts over 60-80 mph batter the large windmills. With that being said, how much of our investment is wasted on repairs and non-use when the wind does not get high enough to make electricity and they sit dormant?

These questions should be asked as our natural instinct is to go with the herd and automatically make the assumption that wind is the one and only renewable energy source we should be focusing

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in on to get ourselves and our country to the next level of energy independence. Solar, wind, natural gas, nuclear and geothermal should all play a part in our quest to create multiple sources of renewable power.

Although wind to electricity has been around for decades, the economics of wind power are now only becoming more popular and economically feasible as we continually feel the effects of the political and economic stresses that result from our thirst for foreign oil. Critical mass will eventually push us in the direction of more responsible energy production and climate responsibility.

If you are a homeowner looking to make a small difference in your own way, wind and solar power generation can be two technologies to pursue. Small wind turbines or Solar panels can be installed together on site and linked into the home power grid to supplement or even replace existing power requirements. Although wind power generation is relatively simple to put in place, solar should also be a key strategy for your home power generation.

In summary, [*wind is an alternative*](#) resource for power production along with solar technologies that should be considered at the residential and commercial scale. As the market matures and we make the commitment to continue down the path, our momentum will carry us to the goal we are ultimately seeking, energy independence.

Whether we make this commitment as a country or as a single homeowner, these systems do require some initial investment and ongoing maintenance, but will be well worth it in the long term. The vision of having a windmill on every rooftop may not be that far away.

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A Windmill For Every Rooftop Vs A Chicken For Every Pot



Back in the late 20's when times were tough and the depression was in full swing, they say Herbert Hoover coined the slogan that if elected there would be a "Chicken in Every Pot". Historians may or may not conclude that the term was no more than a campaign slogan, but the thought still provokes the vision that everyone should be able to afford food to feed their families.

In today's times our thoughts are more along the lines of conserving energy and reducing our dependence on foreign oil. A Windmill for every rooftop should be more in line with that line of thinking.

As a nation, we are tied too closely to other countries on the world stage which erodes our ability as leaders in the global marketplace. If we were less reliant on fossil fuels for our energy needs, we may be in a better position financially and strategically.

This strategy can be applied not only to commercial based models, but residential as well. Technology to convert wind and solar energy to residential power exists today. The more these ideals become main stream, the more they will permeate our society and drive the markets to develop cost effective solutions for the typical homeowner.

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Today, there are more and more entrepreneurs developing systems that are becoming available for purchase. Even more individuals are making available plans and kits to make own home based wind generating systems. Although wind is not available a 100% of the time, these systems can store energy in battery type units that will enable the homeowner to supplement normal energy consumption.

Even some cities are putting pilot programs in place to enable the use of wind based systems to supplement power grids. As of this writing, Paris France, is instituting one such program across four neighborhoods. As part of this program, the systems are designed to be less intrusive to the landscape to help maintain the traditional look and feel of the skylines.

As each country tries to wean themselves off of fossil fuels, the strategy of looking to renewable energy sources to power our home does not only rest with governments, but the people that live in each corner of the world. Over time, the convergence of demand, economics and technology will help drive the market to a more sustainable future using renewable resources for our energy needs.

As stewards of our planet, it is up to us to find ways to maintain a responsible position in keeping the delicate balance between man and nature. A windmill for every rooftop may be just the slogan we need in today's economic and ecological climate.

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In Conclusion

How will you respond to the global dependency on Oil and fossil Fuels? As we transform our society to become more earth friendly, each of us have to become more aware of our impact on the earth.

This transformation will not happen overnight, but eventually we will get there if we do it on our own, or if we are forced based on influences out of our control.