NWS

NATURAL WINDS SOLUTIONS, INC.

A SUSTAINABLE RENEWABLE ENERGY CORPORATION

WIND ENERGY, SOLAR ENERGY, GEOTHERMAL ENERGY







WIND ENERGY

Wind energy today is a fast-growing source of renewable energy technology. Ever since the modern wind turbine was built in the late 1800's, newer technological advances have greatly improved the quality and efficiency of wind turbines. Technological advancements have also helped by steadily decreasing the cost of building wind turbines over the last few decades. Unfortunately, the amount of wind energy used today is only a small fraction of the overall production of energy world-wide. There are many untapped areas with high potential for wind turbine locations that are left untouched because the cost, although decreasing, is still relatively high. The United States currently has a wind power nameplate capacity of around 44,000 MW. This number is a maximum capacity of output, so the United States capacity is a maximum number for the potential output of wind energy today in the US.

The capacity output of wind energy today has greatly increased over the last decade in the United States. Modern wind turbines are now more efficient and less expensive to build. Also, new government tax incentives that came into existence around 2008 sparked a huge yearly increase in capacity output over the following years. Texas leads the United States with the most wind energy produced today, with an installed capacity of just over 10,000 MW. Iowa is in second place with an installed capacity of around 4,000 MW. Wind energy accounts for only a small percentage (around 3%) of the electrical output produced in the United States today, but there are many leading scientist and initiatives that believe that wind energy could take on as much as 20% of the electrical output in the United States by 2030.

GEOTHERMAL ENERGY

Geothermal is a clean environmentally friendly electrical production and distribution method that is a passive energy source which requires a low operating cost once setup. As an example, a 240 MW system that is capable of generating an estimated 1,892,160,000 KWH per year with revenues of up to an estimated \$170,294,400.00 per year and an estimated \$5,108,832,000.00 over a 30 - year period. These figures are based on the selling back of power to the local grid at an estimated rate of \$.09 per kwh.

The state of Texas, and in particular south Texas, is in great need of additional electrical capacity from a clean energy source. It is well known that geothermal plants can operate 24 hours a day with a steady output, regardless of environmental conditions, and are not subject to the unpredictability and voltage swings that variable energy resources face and, hence, can fill the necessary role as a renewable baseload power source. As aging baseload fossil fuel plants retire geothermal plants can provide the electricity these plants have historically provided to the power system. The geothermal plant works by transporting heat located underneath the earth to the

surface, once there it is channeled to a turbine which turns a generator thereby producing electricity. Geothermal power plants have much in common with traditional power generating stations. They use many of the same components including turbines, generators, transformers and other power generating equipment. While it is true that geothermal power plants require a significant amount of startup capital the overall capital costs and operating costs of geothermal power are significantly lower than many other technologies. When looking at the entire lifecycle of the plant, geothermal power is one of the most enduring and affordable technologies. Geothermal plants have no fuel costs and require minimal maintenance or ancillary costs. Once a plant is operating it can generate electricity for 30 years or longer if the field is engineered and maintained sustainably.

SOLAR ENERGY

Energy harnessed from the sun is known as solar power. Once collected, it's possible to convert this power into thermal or electrical energy, suitable for residential or commercial use and even for major industrial purposes. With the potential for using solar energy getting more attainable and less expensive, more people are becoming interested in the options of solar power. Prices for solar power systems have gone down in recent years, making this alternative form of energy affordable. The best way to figure out the average cost of buying and installing solar panels is to figure price per watt. An average solar panel in the United States will cost about \$3 per watt, although this price can range slightly higher and lower than this figure. Prices can vary by state, with the Northeast states coming out on the high end and many Southern states being less expensive. Photons traveling to Earth from the sun hit solar cells located in solar panels. When this happens, electrons are displaced from atoms, which kicks off a chemical process that generates direct current electricity. A solar inverter is then necessary to convert the DC electricity to AC electricity. Solar panels contain many solar cells, so when multiple panels are wired together, they create a solar array. More panels equals more energy generated.

NWS offers to sell future energy as Kilo Watt Hours generated by our projects. The following table details the break down of the power generated by our projects and further breaks down the quantity of Kilo Watt Hours available for sale. Our sale price is based on a national average of 12.87 cents per kilo watt hour. We broke down the revenue of our projects based on a combined output of all projects based on yearly and ten- year projections.

Energy Project	Number of planned projects	Total Mega Watt	Usable Kilo Watt Hours
Wind Turbines	2 @ 100 Mega Watts each	200MW	200,000 *24*352*70% = 1,182,720,000kwh per year Sell at a National Average of .1287 per kwh 1,182,720,000 * .1287 = \$152,216,064.00
Solar Panels	2 @ 100 Mega Watts each	200MW	200,000 *24*352*70% = 1,182,720,000kwh per year Sell at a National Average of .1287 per kwh 1,182,720,000 * .1287 = \$152,216,064.00
Geothermal	2 @ 240 Mega Watts each	480MW	480,000*24*352*90%= 3,649,536,000kwh per year Sell at a National Average of .1287 per kwh 3,649,536,000 * .1287 = \$469,695,283.00
Combined Total Yearly Revenue		10 Year Revenue	
6,014,976,000		60,149,760,000	

Kwh @ .1287

\$7,741,274,112.00

Natural Winds Solutions, Inc.

9543 Vallecito Pass

Kwh @ .1287

\$774,127,411.00

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