

## **Solar Wind Energy Tower, Inc. Receives Notice of Allowance of Patent titled "Atmospheric Energy Extraction Devices and Methods"**

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ANNAPOLIS, Md., May 22, 2013 /PRNewswire/ -- **Solar Wind Energy Tower, Inc.** (OTCQB: SWET) (**the "Company"**), the inventor of a large Solar Wind Downdraft Tower structure capable of producing abundant, inexpensive electricity, today announced the allowance of Patent Application Number 13/098,476, titled "**Atmospheric Energy Extraction Devices and Methods**", by the United States Patent and Trademark Office.

The patent covers a structure for producing electricity, specifically a tower capable of adding moisture at the top of the structure to hot-dry air so as to generate a downdraft of wind within the interior of the Tower, vanes coupled to the exterior of the Tower that at least partially define a plurality of elongated pockets at the exterior of the Tower, flaps located within the pockets configured to redirect incident wind downwards, and at least a first wind tunnel configured to receive the redirected wind so as to convert such wind to electricity.

Ronald W. Pickett, President, Chief Executive Officer of SWET, stated, "We are pleased to have received notice that our patent application for the Tower structure design has been allowed, and that a patent will be issued shortly. The patent application incorporates the entire core Tower structure, including the injection of moisture as a catalyst to generate the downdraft wind, and the additional exterior dual wind capture vanes. In the future, as we expand our geographic footprint, the dual wind technology will provide us with the ability to construct our power plant in locations with potentially more variable weather conditions, since we can now incorporate the power created by the ambient wind captured along the outer surface of the Tower structure with the power generated internally. This external wind capture boosts the overall power output. This patent allowance, along with our previously issued patent titled 'Efficient Energy Conversion Devices and Methods', encompasses our overall basic system architecture. We intend to continue to protect our technology as we develop enhancements to it. Our business plan has always been to efficiently extract the maximum energy generated by the captured wind, with the least loss of power while compensating for the normal differentials in atmospheric conditions."

### **About Solar Wind Energy, Inc.**

Solar Wind Energy, Inc. ("Solar Wind Energy"), a wholly owned subsidiary of Solar Wind Energy Tower, Inc., was established to commercialize a number of proven, validated technologies and construction systems into a single large Solar Wind Downdraft Tower

structure that produces abundant, inexpensive electricity. Our Company's core objective and focus is to become a leading provider of clean, efficient green energy to the world communities, at a reasonable cost, without the destructive residuals of fossil fuels, while continuing to generate innovative technological solutions for tomorrow's electrical power needs.

## **Innovative Renewable Hybrid Solar / Wind Energy Technology**

We view ourselves as a hybrid solar/wind technology, reflected in the name, Solar Wind Energy Tower, Inc. The simplicity of our solution is comprised of harnessing the natural power of a downdraft created within the confines of our Solar Wind Downdraft Tower structure, a hollow cylinder reaching skyward into the hot, dry atmosphere heated by the solar rays of the sun. The water introduced by the injection system near the top of the Tower evaporates and is absorbed by the hot, dry air. The air becomes cooler, denser and heavier than the outside warmer air and falls through the cylinder at speeds up to and in excess of 50 mph and is diverted into wind tunnels surrounding the base of the Tower where turbines inside the tunnels power generators to produce electricity.

## **Abundant, Clean, Affordable Electricity Production**

The Company has successfully managed to downsize and economize the Tower, reducing capital costs and improving projected financial performance. Solar Wind Energy Tower recently announced the completion of weather data models that confirm that the first tower height can be lowered from 3,000 feet down to 2,250 feet. This development was made possible by utilizing our recently announced software which can calculate and predict energy production by our Solar Wind Downdraft Towers given local weather data. By feeding the weather data into the program, the tower's height and diameter can be adjusted along with the amount of water added as fuel to create a desired amount of energy. The outcome dictates the optimum size of the tower's height and width.

Under the most recent design specifications, the first San Luis Tower has a design capacity on an hourly basis, of up to 1,250 megawatt hours, gross. Using a 60% capacity factor, the tower's potential hourly yield would be 600 megawatt hours from which approximately 18.5% will be used to power its operations, yielding approximately 500 megawatt hours available for sale to the power grid. Due to lower capacities during winter days, the average daily output for sale to the grid for the entire year is approximately 435 megawatt hours. Currently in California avoided costs are running approximately \$0.11 per kilowatt hour. As an independent power producer of clean renewable energy the Company will not be selling power directly to consumers, but rather to the grid.

In addition to constructing Solar Wind Downdraft Towers in the United States and abroad, the Company intends to establish partnerships at home and abroad to propagate these systems and meet increasing global demand for electricity. Solar Wind Energy

has assembled a team of experienced business professionals, engineering and scientific consultants with the proven ability to bring the idea to market. Solar Wind Energy has filed and been issued patents that the Company believes will further enhance this potentially revolutionary technology. Solar Wind Energy, Inc., based in Annapolis, MD, is traded on the OTCQB under the symbol 'SWET'. For more information visit **[www.solarwindenergytower.com](http://www.solarwindenergytower.com)**

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### **Cautionary Note Regarding Forward-Looking Statements**

Statements included in this release may constitute "forward-looking statements". Actual results may differ materially from those projected in forward-looking statements. Such statements involve a number of risks and uncertainties such as competitive factors, technological development, market demand and the Company's ability to obtain new contracts and accurately estimate revenues, if any, due to variability in size, scope and duration of projects, and internal issues in the sponsoring client. Further information on potential factors that could affect the Company's financial results, can be found in the Company's various filings with the Securities and Exchange Commission (SEC).

SOURCE Solar Wind Energy Tower, Inc.