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Windspire Energy Corporate Overview Spring 2010

Corporate Overview

Founded in 2005 in Reno, Nevada, Windspire Energy (formerly Mariah Power) was established to develop innovative and proprietary new technology that introduces a new standard for style and function to the small wind industry. Today, the company is continuing to evolve its product line, focusing on low-cost energy alternative solutions that are smart, noise-free and exceptionally well designed. The company's first product, the Windspire® wind turbine, was launched on June 2, 2008 at the American Wind Energy Association's WINDPOWER show. Since then more than 500 Windspires have been installed around the US and internationally.

A key motivator for the development team was the need for a wind product that would be accessible to the masses – affordable, attractive and easily installed. After much research into the challenges and opportunities in this emerging market, the engineering team developed the Windspire®, an environmentally friendly, propeller-free vertical axis wind turbine (VAWT). The Windspire wind turbine embraces a different approach that avoids some of the pitfalls of traditional propeller turbines, including noise, aesthetic limitations, and challenging zoning restrictions. Unlike a propeller-based system, Windspire wind turbines feature a uniquely narrow, sleek design that harnesses power from the wind by spinning smoothly on its own center pole. The tips of Windspire airfoils move at only a quarter the speed of the tips of propeller blades, allowing it to operate in silence. Using patented technology in its generator, the Windspire wind turbine maximizes energy conversion from wind into electric power, regardless of changing wind speed and direction.

In December 2008, Windspire Energy signed a contract for its first high volume manufacturing site in partnership with MasTech Manufacturing of Manistee, Michigan. MasTech is a manufacturing and material handling specialist and was able to retrofit a former auto parts factory to accommodate manufacturing for the Windspire wind turbine. The new Windspire plant began production in April of 2009, after an opening celebration with Governor Granholm and over 900 members of the community.

In January 2009, a Windspire wind turbine was prominent at President Obama's Inauguration festivities on Capitol Hill and was also on display in Detroit, Michigan, at the North American International Auto Show, demonstrating its uses as an electric car charging station. In May, the Windspire was installed on the season finale of ABC's "Extreme Makeover: Home Edition" Windspire Energy Corporate Backgrounder 2

putting small wind on the small screen. In June, “20/20” featured the story of ex-autoworkers getting back to work building Windspires.

In July, the company announced its first product extension with the “high wind” version of the Windspire which is able to sustain winds as high as 168 mph to operate in extreme wind conditions. In October, the country’s first university wind farm featuring 25 Windspires was installed at Quinnipiac University in Hamden, Connecticut.

In November, the company launched the “Windspire Me” iPhone app in conjunction with Silicon Valley design firm, Create with Context. Featured in the New York Times, Fast Company, CNET and Reuters, the app measures wind speeds using the microphone of the iPhone, giving people a general sense of wind strength in their locations. The app also tells users what they can power with a Windspire and how much CO2 they can save.

Walt Borland joined the company as President and CEO on December 1, 2009. He replaced co-founder Mike Hess, who remains a shareholder.

In January 2010, leading software company, Adobe Systems, installed 20 Windspires on the roof of its LEED platinum certified headquarters in San Jose, California.

In April the company officially changed its name from Mariah Power to Windspire Energy to simplify the branding of the Windspire and to eliminate confusion in the marketplace.

Product Specifics

Independently tested with a UL certified inverter, the Windspire wind turbine is a propeller-free, vertical axis wind turbine designed for harnessing wind power in urban, suburban and rural locations. It is 30 feet tall with a two foot radius, sized below typical residential zoning restrictions. Guidelines for ground mounted installation sites are generally half an acre of land and relatively windy locations.

The Windspire wind turbine features a fully-integrated plug ‘n produce™ design, including a high efficiency generator, integrated inverter, and wireless monitor. It incorporates a slow speed giromill rotor for virtually silent operation and improved safety and durability. It connects directly to the grid tie of a home or building, and can even run the electricity meter backwards on net metered homes, when it is providing more electricity than is being used.

Manufactured in the U.S. with 80 percent recycled materials, the Windspire is the lowest cost renewable energy system in the one kilowatt range. The United States federal government now offers a 30 percent tax credit toward the total cost of the system, including installation. Many local power companies and municipalities also offer incentives to consumers who install small wind turbines.

Each 1.2 kilowatt Windspire wind turbine produces approximately 2000 kilowatt hours per year in 11.2 mile per hour average winds, or about a quarter of the average U.S. household’s electricity needs. The “High Wind” Windspire is rated to survive wind speeds as high as 168 mph. Windspire Energy Corporate Backgrounder 3

The Windspire wind turbine is sold through a growing network of authorized dealers.

Windspire Energy believes that accessible clean energy is an idea that's time has come, and the Windspire wind turbine is poised to transform the small wind energy sector.

Windspire Energy Company Timeline

- Windspire Energy Raises Series C April 2010
- Company changes name to Windspire Energy April 2010
- Long term supply agreement signed with MasTech to keep manufacturing in US through 2016. March 2010
- Adobe Systems Installs 20 Windspires at San Jose Campus January 2010
- Walt Borland Named President & CEO December 2009
- "Windspire Me" iPhone App Released November 2009
- Quinnipiac University Wind Farm Installed October 2009
- 400th Windspire Installed September 2009
- "High Wind" Windspire Launched July 2009
- Windspire factory featured on "20/20" June 2009
- Windspire installed on ABC's "Extreme Makeover: Home Edition" Season Finale May 2009
- Manufacturing facility in Manistee, Michigan Opened April 2009
- First Windspire installed in Europe February 2009
- Windspire displayed at North American International Auto Show EcoXperience January 2009
- First Windspire installed in Latin America January 2009
- Windspire recognized as "Best of What's New" by Popular Science December 2008
- First multi-unit commercial Windspire installation at Devon Bank in Chicago October 2008
- Partnership to mass-produce Windspires with MasTech* in Manistee, Michigan announced October 2008
- Product available for sale June 2008
- Windspire installed in U.S. Botanic Garden May 2008
- Independent testing and certification completed March 2008
- Design completed December 2007
- International patents acquired August 2006
- Windspire Energy (formerly Mariah Power) Founded 2005