

New Energy Discovery Boosts Performance of See-through Solar Cells, Able to Generate Electricity on Glass Windows

New Energy Technologies, Inc. (OTCQB: NENE), developer of see-through solar cells for generating electricity on glass windows, today announced that researchers have successfully achieved faster fabrication time, improved transparency, and a two-fold increase in power conversion efficiency. Researchers achieved today's advances by way of a novel, patent-pending breakthrough, which enables fabrication of large-scale mini-module SolarWindow(TM) devices, important to commercial deployment of the world's first-of-its-kind glass window capable of generating electricity.

Generating electricity on glass windows is possible when New Energy researchers spray ultra-small, see-through solar cells on to glass surfaces. These novel spray-on techniques have been pioneered, advanced, and unveiled in operating prototypes by scientists who initiated early research efforts with New Energy Technologies under a Sponsored Research Agreement at the University of South Florida (USF). The Company's SolarWindow(TM) technology has since progressed significantly beyond early research, and is now in advanced product development.

Meanwhile, today's announcement is the outcome of spray-related improvements achieved during the completion phase of New Energy's early Sponsored Research at USF, led by Dr. Xiaomei Jiang. Researchers report that these latest spray-on techniques have successfully:

- Boosted power conversion efficiency of each individual cell by two-fold compared to previous fabrication methods, leading to overall power output improvement of SolarWindow(TM);
- Reduced fabrication time from several days down to only a few hours, or 1/6th of the time normally required;
- Improved the transparency or 'visual light transmission' of SolarWindow(TM) modules, creating a widow 'tint' effect; and
- Achieved an aesthetically attractive, uniform coating on to glass -- important to consumer appeal.

Specifically, these performance improvements result from spray advancements which control fabrication of various layers of coatings on glass; collectively, these layers make up the architecture of SolarWindow(TM) modules. Among other functions, the various layers allow the glass to absorb the sun's energy, generate electricity, and direct the electricity for collection and use.

Researchers are hopeful that today's breakthrough in mini-module spray-on device fabrication leads to improved spray-on techniques for large-scale devices, a precursor to the Company's product for commercial launch.

"This latest breakthrough is an exciting testament to our ongoing efforts as we continuously work to improve the quality and performance of our SolarWindow(TM) mini-modules," explained Mr. John A. Conklin, President and CEO of New Energy Technologies, Inc. "Moving forward, we remain devoutly focused on producing large surface area prototypes which are compatible with high-speed production methods, important to commercialization of SolarWindow(TM)."

Currently under development for eventual commercial deployment in the estimated 85 million commercial buildings and homes in America, SolarWindow(TM) technology is the subject of fourteen (14) patent filings and is the world's first-of-its-kind technology capable of generating electricity on see-through glass windows.

SolarWindow(TM) is a 'building integrated photovoltaic' (BIPV) technology. BIPV products are expected to achieve compound annualized growth of 41%-plus through 2016, according to Pike Research.

About New Energy Technologies, Inc.

New Energy Technologies, Inc., together with its wholly owned subsidiaries, is a developer of next generation alternative and renewable energy technologies. Among the Company's technologies under development are:

- MotionPower(TM) roadway systems for generating electricity by capturing the kinetic energy produced by moving vehicles -- a patent-pending technology, the subject of 45 US and International patent applications. An estimated 250 million registered vehicles drive more than six billion miles on America's roadways, every day; and
- SolarWindow(TM) technologies, which enable see-through windows to generate electricity by 'spraying' their glass surfaces with New Energy's electricity-generating coatings -- the subject of 14 patent applications. These solar coatings are less than 1/10th the thickness of 'thin' films and make use of the world's smallest functional solar cells, shown to successfully produce electricity in a published peer-reviewed study in the Journal of Renewable and Sustainable Energy of the American Institute of Physics.

Through established relationships with universities, research institutions, and commercial partners, we strive to identify technologies and business opportunities on the leading edge of renewable energy innovation. Unique to our business model is the use of established research infrastructure owned by the various institutions we deal with, saving us significant capital which would otherwise be required for such costs as land and building acquisition, equipment and capital equipment purchases, and other start-up expenses. As a result, we are able to benefit from leading edge research while employing significantly less capital than conventional organizations.

For additional information, please call Ms. Briana L. Erickson toll-free at 1-800-213-0689 or visit: www.newenergytechnologiesinc.com.