



**FOR IMMEDIATE RELEASE**

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**Sunovia and EPIR Announce the Successful Down-Conversion of Ultraviolet Light to Visible Light in Transparent Glass for Enhanced Solar Cell Efficiencies**

SARASOTA, Fla.—Sunovia Energy Technologies, Inc. (NASD OTC Bulletin Board: SUNV) and EPIR Technologies, Inc. announce the successful demonstration of optical down-conversion for increased solar cell energy efficiency. Optical down-conversion enhances solar cell efficiency by converting the sun's ultraviolet (UV) light into visible light which can be used more effectively by the solar cell. Therefore, with optical down-conversion, much of the energy from UV light which was wasted can now be converted into electricity, making the overall solar cell system more energy efficient. Optical down-conversion is a major advancement in the race to maximize solar cell efficiency and will play a unique role in the commercialization of the companies' high-efficiency solar cells.

Sunovia and EPIR have demonstrated energy down-conversion in glass ceramic materials containing ultra-small crystalline particles (nanoparticles). The nanoparticles contain a rare earth ion that makes them transparent to visible light, creating an ideal top layer for solar cells which are typically covered with a sheet of glass in most cases. The ceramic glass material which hosts the nanoparticles is also particularly instrumental in safeguarding efficiency by minimizing energy loss due to heat. Further, this down-conversion technology is compatible with nearly all types of rigid solar cells in the market today.

This important demonstration was accomplished by Dr. Jacqueline Johnson while employed at EPIR in a program sponsored by the U.S. Air Force Research Laboratory Space Vehicles Directorate under the direction of Program Monitor Dr. Paul E. Hausgen. Dr. Johnson, now a professor at the University of Tennessee, said, "I believe EPIR is uniquely qualified to become the leader in the development of advanced solar cells due to their in-depth understanding of energy absorption in materials. Infrared technology and solar technology are very similar. EPIR President Dr. Siva Sivananthan has proved his excellence as a leader in infrared detection over the last 25 years, and development of solar cell technology is an incremental step in a new direction for EPIR."

**About Sunovia Energy Technologies, Inc.**

Sunovia™ Energy Technologies is a Sarasota, Florida-based energy independence company. Sunovia's primary lines of business are advanced, cost-effective concentrated photovoltaic (CPV) solar systems that employ patented cadmium telluride (CdTe) solar cell and infrared (IR) technologies, and energy-efficient LED lighting products marketed under the EvoLucia™ brand.

Sunovia's solar and LED lighting technologies are among the most cost and energy efficient in the world, and the Company's research and development is dedicated to ensuring that Sunovia



stays at the forefront of the renewable energy curve as markets expand and territories are defined. Sunovia is being advised by pre-eminent authorities in the field of renewable energy, including former Secretary of Energy Spencer Abraham and former Under Secretary of Commerce Kenneth I. Juster.

Sunovia owns a significant equity interest in Illinois-based EPIR Technologies, Inc., a global leader in the field of IR sensors and IR imaging, and is the exclusive marketing partner for all EPIR products. As a pioneer in the commercialization of CdTe on Si and HgCdTe on Si photovoltaic products, EPIR's knowledge and experience is equal to or exceeds any company in the world. EPIR holds the patent for growing CdTe directly on a Si readout integrated circuit, for which the company is developing a manufacturing capability with Congressional funding. Sunovia and EPIR have a network of close collaborative relationships, including the Army Research Laboratory, the National Renewable Energy Laboratory, the Night Vision Electronic Sensors Directorate, BAE Systems, and other laboratories around the world.

More information about the exclusive partnership between Sunovia and EPIR is available in the Company's Securities and Exchange filings at [www.sec.com](http://www.sec.com), or at the companies' Web sites, [www.sunoviaenergy.com](http://www.sunoviaenergy.com) and [www.epir.com](http://www.epir.com).

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### **Forward-Looking Statement**

Some of the statements made by Sunovia in this press release are forward-looking in nature. Actual results may differ materially from those projected in forward-looking statements. Sunovia believes that its primary risk factors include, but are not limited to: development and maintenance of strategic acquisitions; domestic and international acceptance of our product lines; defending our intellectual property and proprietary rights; development of new products and services that meet customer demands and generate acceptable margins; successfully completing commercial testing of new technologies and systems to support new products and services; and attracting and retaining qualified management and other personnel. Additional information concerning these and other important factors can be found within Sunovia's filings with the Securities and Exchange Commission. Statements in this press release should be evaluated in light of these important factors.

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