



**Statement from John Van Dine (CEO SAGE) at March 5 media announcement from DOE Secretary Steven Chu**

Thank you Secretary Chu, Senator Franken and Senator Klobuchar for your commitment and vision to energy efficiency and green manufacturing job creation.

While today is an exciting and historic day for SAGE, and all of our stakeholders, it's a particularly inspiring moment for America as we work together in moving this country toward a more secure energy future and sustainable environment.

As Secretary Chu has previously expressed on many occasions, and again here today, the biggest gains in decreasing this country's energy bill, the amount of carbon dioxide and our dependency on foreign oil will come from energy efficiency and conservation over the next 20 years.

Energy efficiency was SAGE's mission from Day One. We focused on something each of us experiences every day – glass - and re-imagined it, transforming it into something dynamic and innovative that helps make the world a better place. The opportunity is tremendous, given that there is approximately 20 billion square feet of window area installed each year throughout the world.

By applying today's most advanced material and processing technologies, including nanotechnology, we've created electronically tintable SageGlass that can change from clear to dark, much like transition lenses work in sunglasses. However our SageGlass products can be electronically switched at the click of a button and programmed to respond to changing sunlight and heat conditions.



According to the National Renewable Energy Laboratory, dynamic electrochromic windows, like those produced by SAGE, can save one-eighth of all the energy used by U.S. buildings each year. This is equivalent to about 5% of the nation's total energy budget – or the equivalent energy and carbon emission of more than 800 coal-fired power plants. A savings of approximately \$300 billion dollars over a 20-year period.

By re-imagining glass and its functionality SAGE was able to create a game changer for the building envelope. Windows can now morph from an energy liability to an energy source, by dramatically reducing cooling and lighting requirements and harvesting natural daylight and heat when needed.

In addition to energy savings, dynamic glass greatly enhances the human experience in buildings by eliminating sunlight glare but importantly preserving the view and connection to the outdoors. The view and connection to the outdoors, and the harvesting of natural daylight is the very reason we put windows in buildings. All of this makes buildings more healthy and pleasant places to live and work. As a result, something we routinely experience every day becomes a source of inspiration and wellbeing.

This new product technology is also better for the planet because it allows for more sustainable building designs. It reduces the mining, processing, fabrication and delivery of certain building materials and their associated carbon footprint.

The U.S. Department of Energy has ardently supported SAGE for the past 15 years, enabling our company to take a global leadership position in creating and producing a critical energy technology that will help the U.S.



achieve its ultimate goal of zero energy windows and buildings, and provide a tremendous jump-start to creating a new green manufacturing economy.

While hundreds of buildings have already installed SageGlass windows in commercial, institutional and residential applications, this is only the beginning.

Thanks to the DOE's vision and support today, we will soon be able to mass produce our glass and bring this energy saving technology to the world. By greening more and more buildings, we will attract, employ and retain more people and help make America a stronger, more competitive nation.

Thank you again Sec. Chu, and Senators Franken and Klobuchar.