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Innovative Empire State Building Program Saves Millions, Establishes New Energy Efficiency Model Nationwide

World’s Most Famous Office Building Exceeds Energy Efficiency Savings for 2nd Consecutive Year, Stands as Benchmark for Industry

NEW YORK, June 24, 2013 — The innovative energy efficiency program at the Empire State Building has exceeded guaranteed energy savings for the second year in a row, saving $2.3 million and providing a new model for building retrofits that is now being rolled out nationwide.

In 2009, the Empire State Building, President Bill Clinton and Mayor Michael Bloomberg launched a comprehensive retrofit at the landmark property to reduce costs, increase real estate value and protect the environment. In 2011, the Empire State Building beat its year-one energy-efficiency guarantee by a remarkable 5 percent, saving $2.4 million. In year two, the iconic property surpassed its energy-efficiency guarantee by nearly 4 percent. As with the first year’s results, all information and monitoring and verification reports can be viewed at www.esbsustainability.com.

“The Empire State Building retrofit project is two for two, dramatically exceeding projected energy savings for the second straight year and reducing costs by millions of dollars,” said Anthony E. Malkin of the Empire State Building. “This effort clearly demonstrates the sustainability leadership of The World’s Most Famous Office Building and that integrating energy efficiency into building upgrades can significantly enhance the value of any real estate asset while also protecting the environment.”

Malkin and the Clinton Climate Initiative Cities program, an aligned partner of the C40 Cities Climate Leadership Group, assembled a coalition of leading organizations focused on energy efficiency and sustainability. The team, comprised of the Empire State Building, Johnson Controls, Jones Lang LaSalle, and Rocky Mountain Institute, developed the energy efficiency program that has been implemented at the Empire State Building.

“The Empire State Building retrofit project is a shining example for C40 Cities the world over, helping them to make the case for wider policies and programs that advance building energy efficiency in the private sector. The positive results announced today will boost cities’ efforts by demonstrating—once again—the economic benefits of climate action,” said Terri Wills, director of Global Initiatives, C40.

“The Clinton Foundation and President Clinton have been proud to work with the Empire State Building on this retrofit project,” said Bruce Lindsey, CEO of the Clinton Foundation. “As one of the world’s most recognizable buildings, the Empire State Building’s retrofit serves as a model, and proves that retrofitting existing buildings is the best way for a city to become environmentally, and economically, sustainable.”

The core base building energy-efficiency retrofit at the Empire State Building is complete, with the balance of the projects to be finished as new tenants build out high-performance workspaces. Once all tenant spaces are upgraded, the building will save $4.4 million a year, at least a 38 percent reduction of energy use that will cut carbon emissions by 105,000 metric tons during the next 15 years.
Over the past two years, the energy retrofit model has been replicated throughout the United States. Johnson Controls and Jones Lang LaSalle jointly implemented the program at all 13 properties in Malkin's New York metropolitan-area commercial portfolio, as well as One Worldwide Plaza in New York. Johnson Controls has replicated this same model at 44 commercial buildings in the U.S., including The Port Authority of New York and New Jersey, and The Port of San Francisco's historic property at Pier 1, the corporate headquarters of Prologis Inc. Jones Lang LaSalle has also instituted the model at 25 other properties across the nation, including The Moscone Center in San Francisco and Chicago Union Station. In the past year, Rocky Mountain Institute has leveraged learnings from its work on the Empire State Building to collaborate with two large portfolio owners, global communications company AT&T and the Exchange, the Department of Defense's oldest and largest retailer, on an integrated design approach to dramatically improve energy efficiency across their facilities.

“The success from the Empire State Building retrofit project further demonstrates that thoughtfully applied energy-efficiency investments can deliver unparalleled returns through a combination of lower energy, lower operating costs, and increased building valuation,” said Iain Campbell, vice president, Global Energy and WorkPlace Solutions, Johnson Controls Building Efficiency. “When implemented under a performance contract, the energy savings are guaranteed, ensuring a no-risk investment and a smart business decision.”

The retrofit has attracted new Empire State Building tenants over the past two years, including LinkedIn, Skanska, LF USA, Coty Inc., the Federal Deposit Insurance Corp., and Shutterstock. These tenants sought space that reflected their sustainability values, provided more comfort for employees, and allowed them to monitor and control their energy use.

“The Empire State Building project has conclusively proven the business case for deep energy retrofits of any building,” said Raymond Quartararo, international director at Jones Lang LaSalle. “We have consistently surpassed annual projected energy savings through a process that is very transparent, quantitatively intense and internationally approved. The overwhelming majority of people want to do their part to reduce energy usage while delivering economic returns and occupying an environmentally responsible building.”

The retrofit project focused on eight innovative improvement measures addressing core building infrastructure, common spaces and tenant suites. Improvement measures performed by Johnson Controls and Jones Lang LaSalle included the refurbishment of all 6,514 windows, installation of insulation behind all radiators, a chiller plant retrofit, new building management systems controls, new revenue-grade meters serving the entire building, and a web-based tenant energy management system.

In the United States, 40 percent of energy is consumed by buildings, according to the World Business Council for Sustainable Development. In dense urban settings like New York City, commercial buildings account for up to 75 percent of energy used. If every commercial building in New York City followed this blueprint, carbon emissions would be reduced by 4 million tons—the equivalent to that generated by a typical coal-fired power plant.

“While the Empire State Building retrofit savings are impressive, its impact if extrapolated over the U.S. building stock is astounding,” said Rocky Mountain Institute Buildings Principal Victor Olgyay. “Today, more service providers than ever are optimizing the deep retrofit process and achieving significant energy savings in a single building. What’s needed is progress on scaling the solution by enabling large portfolio building owners to pursue energy savings across multiple buildings through a deliberate and well-timed portfolio-wide strategy.”

About C40 Partnership With Clinton Climate Initiative
C40 is a network of large and engaged cities from around the world committed to implementing meaningful and sustainable climate-related policies and programmes locally that will help address climate change globally. C40 works in an aligned partnership with the Clinton Foundation’s Clinton Climate Initiative Cities programme. To learn more, please visit http://www.c40.org/ or www.clintonfoundation.org.
About Johnson Controls
Johnson Controls is a global diversified technology and industrial leader serving customers in more than 150 countries. Our 168,000 employees create quality products, services, and solutions to optimize energy and operational efficiencies of buildings; lead-acid automotive batteries and advanced batteries for hybrid and electric vehicles; and interior systems for automobiles. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat. Through our growth strategies and by increasing market share we are committed to delivering value to shareholders and making our customers successful. In 2012, Corporate Responsibility Magazine recognized Johnson Controls as the #14 company in its annual "100 Best Corporate Citizens" list. For additional information, please visit http://www.johnsoncontrols.com.

About Jones Lang LaSalle
Jones Lang LaSalle (NYSE:JLL) is a professional services and investment management firm offering specialized real estate services to clients seeking increased value by owning, occupying and investing in real estate. With annual revenue of $3.9 billion, Jones Lang LaSalle operates in 70 countries from more than 1,000 locations worldwide. On behalf of its clients, the firm provides management and real estate outsourcing services to a property portfolio of 2.6 billion square feet and completed $63 billion in sales, acquisitions and finance transactions in 2012. Its investment management business, LaSalle Investment Management, has $47.7 billion of real estate assets under management. For further information, visit www.Jones Lang LaSalle.com.

About Rocky Mountain Institute
Rocky Mountain Institute is an independent, entrepreneurial, nonprofit think-and-do tank. Rocky Mountain Institute emphasizes integrative design, advanced technologies, and mindful markets in fulfilling its mission to drive the efficient and restorative use of resources. Rocky Mountain Institute’s strategic focus is to map and drive the U.S. transition from fossil fuels to efficiency and renewables by 2050. Visit http://www.Rocky Mountain Institute.org for more information.

About the Empire State Building
Soaring 1,454 feet above Midtown Manhattan (from base to antenna), the Empire State Building is the “World’s Most Famous Office Building.” With new investments in energy efficiency, infrastructure, public areas and amenities, the Empire State Building has attracted first-rate tenants in a diverse array of industries from around the world. The skyscraper’s robust broadcasting technology supports all major television and FM radio stations in the New York metropolitan market. The Empire State Building was named America’s favorite building in a poll conducted by the American Institute of Architects. The Empire State Building Observatory is one of the world’s most beloved attractions and is the region’s #1 tourist destination. For more information on the Empire State Building, please visit www.esbnyc.com, http://www.facebook.com/empirestatebuilding, @EmpireStateBldg, or http://pinterest.com/empirestatebldg/.

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