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The NSIDC and Green House Data Centers Significantly Lower PUE and Energy Usage Last 12 Months Using Coolerado Solutions

Coolerado, manufacturer of the world's most energy efficient air conditioners, today announces revolutionary customer cost savings at both Green House Data and the National Snow and Ice Data Center (NSIDC). Located on the University of Colorado campus, the NSIDC cut overall data center power consumption by 70% utilizing Coolerado air conditioners this last year. Also impressive is that NSIDC reduced building-wide power consumption by 25% even though their data center encompasses only 1600 of its 77,000 square foot building. Green House Data, located in Cheyenne, Wyoming, has been able to achieve 40% more efficiency than traditional data centers while achieving 100% uptime, a major concern for the industry.

Significant customer ROI can be directly attributed to Coolerado's indirect evaporative cooling technology. Instead of using chemical refrigerants and compressors to cool recycled interior air, Coolerado uses a new, patented process that runs fresh outside air through air filters and then a heat mass exchanger (HMX). This unique process delivers more comfortable, breathable air using one-tenth of the energy of typical air conditioners. "It is Coolerado's goal to assist data centers in dramatic PUE reductions with short payback periods," stated Coolerado CEO Tom Teynor. "Innovative customers like the NSIDC and Green House Data not only impact their bottom lines choosing our products, but also make the world a more green and sustainable planet choosing our chemi-

cal-free solutions; that's something to be proud of."

At Green House Data, selecting high-performance, efficient solutions are core to our business model," said Green House Data President Shawn Mills. "Coolerado air conditioners fit perfectly into our infrastructure, and as our business has grown, we've been able to meet increased demand intelligently by building on our existing Coolerado installs. The modular unit design and the high ROI give us the flexibility to grow sustainably."

"Power usage stats at the NSIDC before and after installing Coolerado are simply staggering," commented NSIDC Technical Services Manager David Gallaher. "We have seen a 70% reduction in data center power usage or 491,000 kilowatt hours by utilizing Coolerado solutions in the last 12 months, a stat that is further amplified by the growing density and energy usage across our entire campus; as we grow larger, we still save more."

Additional Coolerado Benefits And Information

REDUCE – pollution, operating cost, PUE, carbon footprint, power supplies/power plants, noise pollution, service costs, chemical issues

INCREASE – air quality, redundancy, efficiency

About Coolerado

Coolerado customers in 26 countries save as much as 90% in cooling costs using revolutionary HMX products. For more information, go to www.coolerado.com. ■

New Family of Humidity and Temperature Transmitters from Vaisala for HVAC Applications

Vaisala introduces a new family of humidity and temperature transmitters for the heating, ventilation and air-conditioning industry. Combining top quality with affordable price, the versatile Vaisala INTERCAP® Humidity and Temperature Transmitter Series HMDW80 is the complete set for collecting the basic humidity and temperature information needed for a variety of HVAC applications.

The new transmitters are optimized for reliable operation and easy installation with very little maintenance. The excellent stability of the INTERCAP® sensor ensures reliable measurement with minimal maintenance, and if needed, the sensor can be easily exchanged on location with

practically no downtime at all.

The Vaisala HMDW80 series includes basic transmitters for walls and ventilation ducts as well as IP65-classified transmitters for wash-down areas and other humid spaces. It will be complemented by an additional outdoor measurement kit later this year. The series also contains transmitters that measure temperature only as well as transmitters with an optional display, and also provides calculated humidity parameters of dew point, wet bulb and enthalpy in addition to the direct output parameters.

For more information, visit www.vaisala.com/HMDW80. ■



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Carrier Presents Annual Hall of Fame and President's Awards to Factory Authorized Dealers

Carrier, the world's leader in high technology heating, air conditioning and refrigeration solutions, presented its annual Dealer Hall of Fame and President's Awards at the 2013 Carrier® Factory Authorized Dealer conference in Las Vegas. Carrier is part of UTC Climate, Controls & Security, a unit of United Technologies Corp. (NYSE: UTX).

The Dealer Hall of Fame Award is presented annually to select industry-leading contractors. Nominees must be a Factory Authorized Dealer (FAD) and have a minimum 20 years' association with Carrier as their primary brand. This year's recipients are Tom Hawkins of Hawkins Air Conditioning & Refrigeration, Abilene, Texas; Kenny Long of Long's Air Conditioning, Inc. Avon Park, Florida; and the late Bob Bell of Bell Brothers Heating & Air Conditioning, Des Moines, Iowa.

"The Carrier Dealer Hall of Fame was created to honor dealers who demonstrate enthusiasm, loyalty and courage in their work and who embody the same leadership philosophy as Willis Carrier, the founder of our company and the inventor of modern air conditioning," said Chris Nelson, president, residential and commercial systems, Carrier. "These three gentlemen have exemplified compassion and commitment to their employees, communities, customers and Carrier. It is our honor to provide them with this recognition." Although thousands of dealers across the country sell Carrier brand products, fewer than 1,500 qualify as FAD's. ■

New Version of White-Rodgers Mobile Application Adds Product Selection Capabilities



White-Rodgers announced a new version of its White-Rodgers™ mobile app with feature-based product selection capabilities to guide HVACR contractors and distributors to the right product for the job. WRMobile provides customers continuous field access to product replacement information for OEM, competitive and White-Rodgers products from their Android™, iPhone®, or BlackBerry® mobile device.

In addition to cross-reference information, the free application provides smart phone users with guided access to installation and operating instructions, wiring diagrams, sell sheets, and tech bulletins for thermostats, gas valves, furnace ignition controls and cooling products.

The White-Rodgers mobile app is one of seven mobile apps in the Emerson Climate Technologies Mobile Toolbox and can be downloaded at www.emersonclimate.com/mobile-apps. For more information about White-Rodgers, visit www.White-Rodgers.com. ■

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Energy Efficiency in a New Energy Economy

Please join us this year as we explore opportunities to place energy efficiency front and center in the new energy economy. ■