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GridSense™, an Acorn Energy Company, and Landis+Gyr Announce Availability of Gridstream® Enabled GridSense™ Monitors

Sacramento, CA and Atlanta, GA —January 29, 2012 GridSense™, an Acorn Energy (NASDAQ: ACFN) company that develops and markets advanced monitoring solutions for the electric power industry, and Landis+Gyr, the leading global provider of integrated energy management solutions, are pleased to announce the availability of GridSense™ LineIQ™ and TransformerIQ™ monitors equipped with Gridstream platform communication.

The Gridstream solution offers a two-way network platform that forms the backbone for grid management solutions ranging from advanced meters to intelligent switches, reclosers, capacitor banks and RTUs. By incorporating the Gridstream network communication into GridSense™ monitors such as the TransformerIQ™ and LineIQ™ solutions, utilities are able to expand their distribution automation capabilities to full-featured overhead line and transformer monitoring within a trusted, proven and widely deployed intelligent communications platform. The GridSense™ LineIQ™ solution provides intelligent overhead line monitoring, while TransformerIQ™ monitors all failure modes in transformers from the poletop to the substation.

Utilities across the country are striving to maintain reliable, high-quality power distribution. Advanced monitoring solutions from Landis+Gyr and GridSense™ will simplify their task. For instance, American Electric Power (AEP) recently chose this solution to reliably monitor end-of-line voltage in their Public Service Company of Oklahoma Project. The GridSense™ TransformerIQ™ equipped with the Landis+Gyr Gridstream radio provides a cost-effective, easily deployable monitoring solution.

“GridSense™ is extremely pleased to integrate the Gridstream communication platform into our monitoring solutions,” says GridSense CEO Lindon Shiao. “Many utilities are actively using their Gridstream platform for distribution automation and smart meter rollouts today. These utilities can now accomplish network-wide, full-featured line and transformer monitoring more cost-effectively and with less risk simply by leveraging their existing communications framework. The entire team at GridSense looks forward to serving this market.”

Landis+Gyr Director of Grid Management Solutions, Kent Hedrick, acknowledged, “Utilities are looking for ways to realize additional benefit from systems they already have in place. Using the Gridstream platform to bring intelligent two-way communication to the distribution grid monitoring network, and pushing the intelligence and decision making closer to the consumer is a win-win.”

About Landis+Gyr

Landis+Gyr is the leading global provider of integrated energy management products tailored to energy company needs and unique in its ability to deliver true end-to-end advanced metering solutions. Today, the Company offers the broadest portfolio of products and services in the electricity metering industry, and is paving the way for the next generation of smart grid. With annualized sales of more than US\$1.5 billion, Landis+Gyr, an independent growth platform of the Toshiba Corporation (TKY:6502) and 40% owned by the Innovation Network Corporation of Japan, operates in 30 countries across five continents, and employs 5,000 people with the sole mission of helping the world manage energy better. More information is available at landisgyr.com

About GridSense

GridSense is a smart grid technology company dedicated to providing innovative, practical and cost effective monitoring solutions to the electric power industry. Utilizing in-depth industry knowledge and understanding of utility requirements, we provide technology and services that help the industry address the limitations of old and aging infrastructure. We apply experience and technical know-how with new insight and ideas to create intelligent, reliable and leading edge technologies that add value to our customers and shape the future of the modern electrical power system. For more information visit (www.gridsense.com).

About Acorn Energy, Inc.

Acorn Energy, Inc. is a holding company whose four portfolio companies help their customers achieve greater productivity, reliability, security, and efficiency—factors which can lead to greater profitability. GridSense—provides monitoring for all critical points along the electricity delivery system. OMNIMETRIX-remotely monitors emergency back-up power generation systems to increase their reliability. US Seismic—supplies fiber optic sensing solutions to increase oil/gas production and lower costs. DSIT—provides security solutions from underwater threats to marine based energy assets. For more information visit: <http://www.acornenergy.com>.

Safe Harbor Statement

This press release includes forward-looking statements, which are subject to risks and uncertainties. There is no assurance that Acorn Energy, Inc. or its operating companies will continue to grow their respective businesses, or that any of them will meet the expectations or execute the initiatives described or referred to above. A complete discussion of the risks and uncertainties which may affect Acorn Energy's business generally and the businesses of its subsidiaries is included in "Risk Factors" in its most recent Annual Report on Form 10-K and its most recent 10-Q as filed by Acorn Energy with the Securities and Exchange Commission.