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GridSense Previews New Software Platform at Municipal Smart Grid Summit 2012

Sacramento, CA – June 4, 2012 - GridSense, an Acorn Energy, Inc. (NASDAQ: ACFN) company, will preview Grid InSite™, its new software platform, at the Municipal Smart Grid Summit in San Diego, June 4-6. Grid InSite™ will provide utilities with a powerful grid optimization system that seamlessly integrates GridSense sensors and intelligent nodes to enable monitoring and control of transmission and distribution assets.

Through Grid InSite™, existing GridSense tools that address critical infrastructure like transformers, overhead lines and underground cable, will now become part of an integrated grid management system. The system will boast flexible hosting options, compatibility with any wireless communication technology, efficient data management, and powerful data access and analysis capabilities. The system has been designed to allow utilities to perform condition-based maintenance, improve reliability and service quality, prevent unplanned disruptions and avoid unnecessary infrastructure and IT expenditures.

The Grid InSite™ concept grew from the pain points utility engineers voiced regarding the costs and complexity of device set-up, configuration, and integration with legacy systems. “Leveraging affordable, reliable wireless communication technologies and internet infrastructure, Grid InSite™ represents an innovative way for utilities to improve grid operations without making large, upfront investments,” says Lindon Shiao, GridSense CEO. “With this platform, both large investor-owned utilities and small cooperatives will be able quickly to implement comprehensive monitoring and control of critical assets with minimal adoption risk.”

GridSense Director of Software Development, Doug McKay adds, “Utilities need to be able to add new sensing devices on-the-fly, with minimal IT involvement. They need the same kind of one-click, user-friendly access to information that has helped every other industry become more efficient and productive. We see Grid InSite™ as another industry step toward adopting the IT innovations so pervasive in other industries. With advances like Grid InSite™, it is easy to see the day when utility employees routinely use smartphone and tablet devices to remotely access information in a secure fashion—just like workers in other industries.”

Select utilities will begin testing the Grid InSite™ beta release in Q3 2012. The final release is expected to be available in Q4 2012.

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About GridSense Inc.

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.

About Acorn Energy, Inc.

Acorn Energy, Inc. is a holding company focused on making energy better by providing digital solutions for energy infrastructure asset management. The four businesses in which we have controlling interests, improve the world's energy infrastructure by making it: more secure - providing security solutions for underwater energy infrastructure (DSIT); more reliable - providing condition-based monitoring to critical assets on the electric grid (GridSense, OmniMetrix) and more productive and efficient - increasing oil and gas production while lowering costs through use of permanent ultra-high sensitive seismic tools that allow for a more precise picture of reservoirs (US Seismic). 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 2012 First Quarter 10-Q as filed by Acorn Energy with the Securities and Exchange Commission.

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