

## **USSI Demonstrates GroundAlert-UHS Security product at Force Protection Equipment Demonstration**

Chatsworth , CA – May 25, 2011 – US Seismic Systems Inc. (USSI), a subsidiary of Acorn Energy, Inc. (NASDAQ: ACFN), announced today that the company demonstrated its Ultra High Sensitivity (UHS) Tunnel Detection product at the Force Protection Equipment Demonstration (FPED VIII) sponsored by Department of Defense's Physical Security Equipment Action Group held last week in Stafford, Virginia. Designated GroundAlert-UHS, the system is based upon USSI's revolutionary all-optical geophone, which can detect underground activity at levels more than 100 times quieter than competing systems.

The need for a tunnel detection solution around the world is becoming increasingly urgent, with 129 tunnels detected under U.S. borders since 1990. The Department of Homeland Security, U.S. Northern Command, the Army Corps of Engineers and other agencies formed the rapid reaction tunnel detection joint capability technology demonstration in 2010 to address this pressing issue. The highly publicized escape of 480 Taliban fighters last month through a tunnel from a prison in Afghanistan has now heightened awareness by the DOD for the need for a tunnel detection capability at secure sites around the world.

USSI's GroundAlert-UHS fiber optic tunnel detection system, which is powered only by light, utilizes highly sensitive, yet unobtrusive fiber optic geophones planted in the ground to detect subsurface digging activity at distances in excess of 100 feet, coupled with a real-time signal processing suite for screening out nuisance/false alarms. "GroundAlert-UHS is a solid example of the broader applications and markets available for our Ultra High Sensitivity (UHS) fiber optic oilfield seismic systems," stated Jim Andersen, CEO of US Seismic Systems. "The requirements for tunnel detection closely align with those needed for detecting microseismic events in the oilfield, that being small, rugged, ultra-sensitive sensors that are simple to install requiring no insitu electronics and no maintenance."

Late last year, USSI announced that its GroundAlert security system had been selected for a 20 site maximum security project in Latin America.

FPED serves leaders and other decision-makers in defense, homeland security, nuclear security, and first-response, as well as officials in state and local law enforcement, physical security and first-responder organizations, and defense and homeland security

media. Military and civilian personnel in command, physical security and first response positions are encouraged to attend and see the latest in immediately available integrated force protection, anti-terrorist and first-response solutions presented in 20 equipment categories.

### **About US Seismic Systems Inc.**

US Seismic Systems Inc. ("USSI"), formerly US Sensor Systems Inc., designs, integrates, manufactures, and sells fiber optic sensing systems and solutions for the Energy and Defense markets. USSI utilizes all-optical fiber sensing technology for its state-of-the-art sensors. USSI's proprietary optical fiber and electronics combine to form the sensor system. It is designed to replace the legacy electronic-based sensor systems at a lower cost and with improved performance and reliability. USSI's new fiber optic geophone was recently awarded the coveted the 2010 Oil & Gas Industry Innovation of the Year Award by Frost & Sullivan, the world leader in technology, market, customer, and economic research. For more information visit the USSI website at: [www.ussensorsystems.com](http://www.ussensorsystems.com).

### **About Acorn Energy, Inc.**

Acorn Energy, Inc. is a holding company focused on technology driven solutions for energy infrastructure asset management. Our four businesses in which we have controlling interests, improve the world's energy infrastructure by making it cleaner and less expensive to operate air pollution systems for coal and gas-fired power plants (CoaLogix), more secure by providing security solutions for underwater energy infrastructure (DSIT), more reliable by providing condition monitoring instruments for critical assets on the electric grid (GridSense) and more productive and efficient by increasing oil and gas production while lowering costs through use of ultra-high sensitive seismic tools for more precise pinpointing of oil and gas reservoirs (USSI). For more information visit [www.acornenergy.com](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 US Sensor Systems Inc. or Acorn Energy, Inc. will continue to grow their respective businesses, execute the initiatives described above or meet the expectations described 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 the Company's most recent Annual Report on Form 10-K as filed by the Company with the Securities and Exchange Commission.*

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