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I Power Announces Major Development Grant

Anderson, Ind... I Power Energy Systems LLC announced today that they and their research partner, the Purdue component of Indiana University-Purdue University Indianapolis (IUPUI), have received a \$1,682,176 grant from the Indiana Economic Development Corporation to initiate commercialization of an advanced electronic control system for distributed generation units. The new control unit will integrate precise electric generator synchronization with utility grids while protecting both the grids and the units from anomalies. I Power's new technology involves both patented software and hardware and is the first of its type to be designed specifically to meet the Institute of Electrical and Electronic Engineers (IEEE) 1547 guidelines for safe interconnection of distributed power equipment with utility grids.

The resulting system will be an extension of previous research jointly funded by the State, I Power and IUPUI. Electricore, a non-profit, research consortium responsible for numerous energy-related innovations, provided initial technology, engineering and partnership support.

IUPUI researchers devised a combination of algorithms that continually test the health and functioning of the grid and the operation of the generator unit. The distributed generator system controller incorporates artificial intelligence techniques and provides supervision of multiple DG units to assure seamless operation. The components continue to undergo extensive proof-of-concept testing and demonstration in I Power's modern test facilities at their Development Center in Anderson, Indiana.

I Power, with the support of IUPUI, is now moving forward to configure production versions of the control for incorporation into their line of combined heat and

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power and standby generator units. Manufacturing is slated for the latter part of 2007 and will be done in Indiana.

I Power President Terry Pahls stated, “We are fortunate to be a part of the strategic partnership with the State of Indiana, IUPUI and the Flagship Enterprise Center in Anderson. The new systems control product is another major achievement in the joint process to improve competitiveness of Hoosier companies in the marketplace. When we add this initiative to our investments in durability and emission control, we will have a family of distributed generation units that our customers can operate anywhere in the world and meet all prevailing regulations. We view this as a significant advancement which adds value to our product and enhances our market potential worldwide.”

I Power supplies a unique integrated system of full-time, on-site power generation equipment that can utilize multi-fuel energy sources to produce efficient electricity in tandem with or independent of the utility grid systems. When combined with an innovative exhaust heat recovery system and proprietary controller technologies, the I Power distributed power units offer maximum efficiencies and attractive energy alternatives to consumers

More information is available on the company’s website:

www.IpowerES.com

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