



FOR IMMEDIATE RELEASE

**AMBIENT INTRODUCES REAL-TIME CURRENT AND VOLTAGE SENSING TO ELECTRICAL GRIDS VIA BPL COMMUNICATIONS PLATFORM**

*Smart Grid Capabilities Enhanced by Introduction of Ambient's Newest Utility Applications*

**Boston, MA, April 18, 2007 - Ambient Corporation (OTCBB: ABTG)**, a leader in Broadband over Power Lines (BPL) solutions, announced today that it has significantly enhanced its suite of products by integrating two intelligent grid applications into its core BPL communications platform for use in both overhead and underground systems.

The current and voltage sensing applications, enabled by Ambient's core products, are extremely valuable to utilities. Ambient's energy sensing products further validate the benefits of building out a communications network, which allows a utility to have real-time visibility into its electrical grid. Achieving this without adding additional external equipment to the BPL communications platform represents a significant breakthrough in the market. Ambient's ability for providing sensing capabilities is a non-intrusive, easily implemented, and cost-effective solution which is highly beneficial to utilities.

Pioneering the use of BPL platforms for delivering Smart Grid capabilities is key to positioning Ambient as a leading innovator. Ambient provides enabling BPL technology to utilities for improving energy and operational efficiency, especially with an aging grid infrastructure.

John J. Joyce, President and CEO of Ambient stated, "Ambient has been committed to creating and integrating intelligent grid applications and products which meet the present and, more importantly, future needs of its customers. These solutions reflect our philosophy of delivering maximum benefit and flexibility to the utilities, while minimizing the complexity and costs. In an increasingly green energy industry, deploying next-generation, Smart Grid technology will play a major role in the efficient delivery of energy. Integrating this functionality into our customers' grids represents a significant milestone for both the industry and Ambient."

Real-time current sensing enables proactive instead of reactive management of distribution circuits, thereby increasing grid efficiency and reliability. This will allow the utility to not only know the operational status of a medium voltage circuit, but also know and monitor in real-time the amount of energy flowing through at any given point on the circuit.

Voltage sensing is useful for energy management, monitoring health and efficiency of transformers, and for identifying potentially problematic transformers enabling the utility

to predict and prevent possible equipment failure. The voltage levels at the secondary side of the transformer can now be measured and reported continuously in real-time.

“We believe we have the first BPL system that enables such extensive and unique integration of key utility applications,” stated Ram Rao, Chief Technology Officer at Ambient. “Ambient has always believed that utility applications are critical to the success of BPL systems and thus we have focused on the development of new products and applications in this area to benefit our utility partners, and future customers.”

Smart sensing applications are increasingly important in reducing the environmental impact of line loss and in reducing the economic impact of outages and power disruption estimated to cost US businesses over \$50 billion a year according to EPRI.

### **About Ambient Corporation**

Ambient Corporation is a pioneer in the Broadband over Power Lines (BPL) industry. Engaged in the design, development and marketing of patented BPL equipment and technologies, Ambient's proprietary technology and in-depth industry experience is designed to provide optimal solutions for the Utility and In-Premise markets, utilizing its Smart Grid capabilities. Headquartered in Newton, MA, Ambient is a publicly traded company (OTC BB: ABTG). Visit Ambient at [www.ambientcorp.com](http://www.ambientcorp.com).

*This press release contains forward-looking statements that involve substantial uncertainties and risks. These forward-looking statements are based upon our current expectations, estimates and projections about our business and our industry, and reflect our beliefs and assumptions based upon information available to us at the date of this release. We caution readers that forward-looking statements are predictions based on our current expectations about future events. These forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties and assumptions that are difficult to predict. Our actual results, performance or achievements could differ materially from those expressed or implied by the forward-looking statements as a result of a number of factors, including but not limited to, changes in economic conditions generally and the broadband over power lines (“BPL”) market specifically, changes in technology, legislative or regulatory changes that affect us, the availability of working capital, changes in costs and the availability of goods and services, the introduction of competing products, changes in our operating strategy or development plans, our ability to attract and retain qualified personnel, and changes in our acquisition and capital expenditure plans, and the risks and uncertainties discussed under the heading “RISK FACTORS” in Item 1 of our Annual Report on Form 10-KSB for the fiscal year ended December 31, 2006, and in our other filings with the Securities and Exchange Commission. We undertake no obligation to revise or update any forward-looking statement for any reason.*

*Ambient is a trademark of Ambient Corporation registered in the U.S. Patent and Trademark Office.*

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