



Broadband Energy Networks Inc.

Broadband Services to make Buildings and Homes more Efficient, Comfortable and Safe

7000 Terminal Square | Upper Darby, PA 19082

Tel: 610.734.1245 | Email: lsilverman@broadbandenergynetworks.com

FOR IMMEDIATE RELEASE

**BROADBAND ENERGY NETWORKS'
ADVANCED "AUTOMATION COMPUTERS"™
PROMISE 'UNIVERSAL' INTEROPERABILITY**

UPPER DARBY, PA, December 24, 2004 – Broadband Energy Networks Inc. today announced a bold product and technology initiative that will serve as the linchpin for a new generation of building and home network integration and automation systems, delivering increased efficiency and savings to utilities and equipment manufacturers, as well as to building and home owners.

The CONNECTOR C2k AUTOMATION COMPUTER™ as the landmark product is called, will enable any product or system to become interoperable, and to be remotely monitored and controlled over the Internet. It will help link the millions of disparate electronic controls and systems used today to track and regulate delivery and consumption of building and home essential operating resources – electricity, water, natural gas, indoor air and secure access.

The CONNECTOR C2k is the initial core component in Broadband Energy Network's recently announced UNI-PLEX™ Automation Computing Platform – the complete solution for network integration and automation across incompatible systems and protocols.

The CONNECTOR C2k interfaces with Broadband Energy AUTOMATION COMPUTER Peripherals from a range of manufacturers, providing many new services and benefits for businesses, buildings, and homes. Beginning in early 2005, Broadband Energy will introduce a series of interfaces for meters (electric, water and gas), thermostats, controllers for electric hot water heaters, pumps and motors, switched lighting controls, air conditioning cyclers, and other load controllers and devices.

"The CONNECTOR C2k, as the keystone of our UNI-PLEX platform, will play a central role in delivering measurable benefits to both utilities and end-users," declared Larry Silverman, president of Broadband Energy Networks. "The C2k will ultimately connect systems and networks in a facility to create an entire 'smart' building or home, and then link it to other smart devices over an intelligent electric grid.

"Beyond the obvious cost savings for end users from improved energy management," he continued, "our solutions will enable utilities to optimize their networks, balance customer demands with available supply, and avoid service outages.

“What gives us special confidence about the Connector C2k,” Silverman explained, “is its heritage: prior to the acquisition by Broadband Energy, the Coactive Connector hardware platform was proven in tens of thousands of sites. The Connector hardware was designed specifically to provide versatile network monitoring and control for electric utilities, and more than 20,000 units were used successfully in pilots and trials in Europe and the United States. The Connector hardware platform is field-proven, and it has UL, cUL (Canada) and European approvals.”

Broadband Energy applied its UNI-PLEX Automation Computer technology to enhance the original Connector PowerPC platform by –

- Rebuilding the embedded software in the Connector utility gateway with an onboard webserver and secure socket interface,
- Developing new plug-in circuit cards to interface with wired and wireless communications networks,
- Redesigning the IOCS Network Application Manager as an XML-based open platform,
- Adding communication and control capability over a wide variety of electrical and electronic products from a range of manufacturers, and
- Enabling the use of advanced network design, management and commissioning tools.

Among the applications provided by C2k-powered UNI-PLEX systems are:

- Energy management
- Automatic Interval meter reading
- Building and Home Automation
- Lighting energy management
- Air quality monitoring
- Sub-metering for electric, water and gas
- Utility-controlled Load Shedding
- Remote metering and data collection
- Thermostat control
- Load control
- Appliance control
- Energy Usage Analysis

About Broadband Energy Networks

Based in suburban Philadelphia PA, Broadband Energy Networks develops advanced broadband and Internet-enabled network automation technology, including systems and applications for network integration, monitoring and control that enable to better management of the use of essential resources in business and industry, buildings and homes.

The company’s LightMedia Group developed energy management systems in partnership with Raytheon that were used successfully by utilities for demand-side management, including over 2,500 homes and businesses with CSW (Central and SouthWest – now AEP), Southern Co., Detroit Edison Company, and EPRI (Electric Power Research Institute). In 2003, Broadband Energy Networks acquired the assets of Coactive Networks, developer and manufacturer of innovative networking software and utility gateway technology to connect electrical devices to the Internet, as well as assets from Motorola’s PowerCom Utility Services Group for advanced electric metering and communications. Broadband Energy has repurposed and incorporated these technologies into the UNI-PLEX architecture.

Broadband Energy’s UNI-PLEX Automation Computing platform uses the Company’s patented process for object-modeling of protocols in software. UNI-PLEX systems are currently being deployed in a series of demonstration projects and pilot deployments with selected energy, broadband and communications partners around the U.S. More information may be obtained at www.broadbandenergynetworks.com.