



## ZBB ENERGY CORPORATION ANNOUNCES ENERGY STORAGE SYSTEM SALE TO ENVINITY INC

MILWAUKEE, WI – May 27, 2009 – ZBB Energy Corporation (**NYSE AMEX: ZBB**) announced today that it has received an order for two standard, modular, ZESS 50 energy storage systems incorporating ZBB's proprietary, patent pending, ZESS POWR™ PECC (power and energy control center), from Envinity Inc. a renewable energy design and installation company located in State College, Pennsylvania. The two fully integrated ZESS storage modules will be utilized in an off-grid, multi-source renewable energy power system for a 15,000 sq.ft private residence in central Pennsylvania. The ZESS POWR PECC will control energy and power input from 2, 15kW solar PV arrays, ten 1.2 KW vertical axis wind turbines and a propane generator to provide a single regulated output for use by the residents as their primary electrical service. The ZESS system also provides for future input from a micro-hydro energy source.

Mr. Chris Lehman, Envinity's Chief Renewable Energy Integrator, notes that "This system will illustrate the state of the art possibilities for off-grid renewable power applications. The peak power and deep discharge capabilities of ZBB's advanced energy storage and ZESS POWR PECC power control technology provide a giant leap forward for both off-grid and grid tied renewable energy utilization. While load efficiency will always remain a priority for stand-alone system design, the ZESS and ZESS POWR PECC system allows much greater flexibility in load and renewable generating source selection. 'Off-grid' need no longer be a synonym for 'bare bones living'."

ZBB's Vice President Sales and Marketing, Mr. Kevin Dennis said "We are very excited to be teaming with Envinity on their renewable energy power systems. The combination of Envinity's experience and expertise with renewable energy systems engineering and design, integration, and service along with the use of ZBB's ZESS 50 advanced energy storage units and ZBB's proprietary ZESS POWR PECC hybrid power conversion system provides a well designed, fully integrated power and energy management system for all renewable and conventional electrical generating sources. We commend Envinity in their foresight of a fully integrated and cohesive controllable renewable energy power plant. This integrated solution provides ease and flexibility in configuring these types of systems to accommodate various sizes, numbers and types of generating sources while providing a single or multiple outputs for the customer's use; a true configurable controlled renewable energy power plant for either on grid or off grid systems."

The ZESS 50 regenerative fuel cell is a 50kWh advanced electrical energy storage device which has a high energy density (takes less space) and is constructed from environmentally friendly materials while providing long life and advanced performance when compared with traditional Batteries.

The ZESS POWR PECC is a ZBB proprietary hybrid power conversion system that is a modular, flexible and easily configurable unit which supports integration of any combination (type, size and quantities) of generating sources (wind, Solar PV, hydro, generator sets, etc) along with ZBB ZESS energy storage units (ZESS 50, ZESS 500) to create any system configuration, as well as ability to be easily expanded for future needs. The ZESS POWR PECC provides the ability to independently optimize the control of each generating source (or to provide ability to increase energy production of renewable sources by providing optimization of multiple sub-sets of the renewable sources) while having the ability to provide any combination (type, size and quantities) of controlled output (AC grid connected, AC off grid, Combination of grid connected and off grid for back-up power, a variety of DC outputs or any combination of AC and DC outputs) all in a single factory tested package.

### **About ZBB Energy Corporation**

ZBB Energy Corporation (NYSE AMEX: [ZBB](#)) provides clean energy storage solutions based on proprietary zinc rechargeable energy storage technology that addresses requirements in multiple markets such as alternative energy applications, large electrical utilities and green residential and commercial architecture. A developer and manufacturer of its modular, transportable and environmentally friendly Zinc Energy Storage Systems ("ZESS"), ZBB Energy was founded in 1998 and is headquartered in Wisconsin with offices also located in Perth, Western Australia.

### **Safe Harbor**

Except for the historical information contained herein, the matters set forth in this press release, including the description of the company and its product offering, are forward-looking statements within the "safe harbor" provision of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are subject to risk and uncertainties that may cause actual results

to differ materially, including historical volatility and low trading volume of our stock, the risk and uncertainties inherent in the early stages of growth companies, the company's need to raise substantial additional capital to proceed with its business, risks associated with competitors, and other risks detailed from time to time in the company's most recent filings with the Securities and Exchange Commission. These forward-looking statements speak only as of the date hereof. The company disclaims any intent or obligation to update these forward-looking statements.

**Contact Information:**

Helen Brown  
Investor Relations  
ZBB Energy Corporation  
T: 262.253.9800  
Email: [hbrown@zbbenergy.com](mailto:hbrown@zbbenergy.com)