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## **FORM 10-K**

**EnSync, Inc. - ESNC**

**Filed: September 27, 2013 (period: June 30, 2013)**

Annual report with a comprehensive overview of the company

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

FORM 10-K

(Mark One)

- ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the fiscal year ended June 30, 2013
- TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number 001-33540



(Exact name of registrant as specified in its charter)

**Wisconsin**  
(State or other jurisdiction of incorporation or organization)  
**N93 W14475 Whittaker Way, Menomonee Falls, Wisconsin**  
(Address of principal executive offices)  
Registrant's telephone number, including area code:

**39-1987014**  
(I.R.S. Employer Identification No.)  
**53051**  
(Zip Code)  
**(262) 253-9800**

Securities registered pursuant to Section 12(b) of the Act:

Title of each class  
Common Stock, \$0.01 Par Value

Name of each exchange on which registered  
NYSE MKT

Securities registered pursuant to Section 12(g) of the Act:  
None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Sections 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," "non-accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

The aggregate market value of the voting stock held by non-affiliates, computed by reference to the last sales price on December 31, 2012, which was the last business day of the registrant's most recently completed second fiscal quarter, was \$23,853,725.

The number of shares of the registrant's Common Stock outstanding as of September 30, 2013 was 88,538,801.

#### DOCUMENTS INCORPORATED BY REFERENCE

The registrant intends to file a definitive proxy statement pursuant to Regulation 14A within 120 days after the end of the fiscal year ended June 30, 2013. Portions of such proxy statement are incorporated by reference into Part III of this Form 10-K.

**ZBB ENERGY CORPORATION**  
2013 FORM 10-K ANNUAL REPORT  
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## PART I

### Forward-Looking Statements

The following discussion should be read in conjunction with our accompanying Consolidated Financial Statements and Notes thereto included within this Annual Report on Form 10-K. In addition to historical information, this Annual Report on Form 10-K and the following discussion contain statements that are not historical facts and are considered forward-looking within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. These forward-looking statements contain projections of our future results of operations or of our financial position or state other forward-looking information. In some cases you can identify these statements by forward-looking words such as “anticipate,” “believe,” “could,” “estimate,” “expect,” “intend,” “may,” “should,” “will” and “would” or similar words. We believe that it is important to communicate our future expectations to our investors. However, there may be events in the future that we are not able to accurately predict or control and that may cause our actual results to differ materially from the expectations we describe in our forward-looking statements. Investors are cautioned not to rely on forward-looking statements because they involve risks and uncertainties, and actual results may differ materially from those discussed as a result of various factors, including, but not limited to: the cost and timing of developing our products; our ability to raise the necessary capital to fund our operations; market acceptance of our ZBB EnerStore® and ZBB EnerSection® systems and other new products; our ability to grow rapidly while successfully managing our growth; our ability to establish and maintain relationships with third parties with respect to product development, manufacturing, distribution and servicing and the supply of key product components; the cost and availability of components and parts for our products; our ability to develop commercially viable products; our ability to reduce product and manufacturing costs and improve our global supply chain; our ability to demonstrate system reliability for both our ZBB EnerStore and ZBB EnerSection products; our ability to successfully expand our product lines; competitive factors, such as price competition and competition from other traditional and alternative energy companies; our ability to manufacture products on a large-scale commercial basis; our ability to retain our managerial personnel and to attract additional personnel; the successful management of our international operations, including our international joint ventures; our ability to protect our intellectual property; the cost of complying with current and future federal, state and international governmental regulations; and other risks and uncertainties discussed under Item 1A—Risk Factors. Readers should not place undue reliance on our forward-looking statements. These forward-looking statements speak only as of the date on which the statements were made and are not guarantees of future performance. Except as may be required by applicable law, we do not undertake or intend to update any forward-looking statements after the date of this Annual Report on Form 10-K.

### Item 1. Business

ZBB Energy Corporation (“ZBB,” “we,” “us,” “our,” or the “Company”) serves the global need for reliable power in off-grid and grid-connected environments by designing and manufacturing innovative energy storage and power control technologies. ZBB’s wholly owned subsidiary, Tier Electronics, provides specialty power electronics serving various markets that require demanding design and performance criteria, including the hybrid electric vehicle market.

Incorporated in the United States in 1998, the Company focused on advancing proprietary zinc bromide rechargeable electrical energy storage technologies, ultimately leading to the current generation ZBB EnerStore flow battery, utilizing the Company’s zinc bromide chemistry. In 2010, the Company accelerated its strategy to become a leading developer and manufacturer of modular, scalable and environmentally friendly power systems, leveraging its unique power electronics capabilities to provide the market with storage systems to serve a multitude of markets, applications and geographies. The ZBB EnerSection power and energy control center was the resultant product introduced as the enabling technology to ensure that in off-grid and grid-connected environments, all conventional and renewable generating assets are effectively prioritized and optimized to ensure loads are always served with the most cost effective power and energy. ZBB EnerSystems™, platforms combining energy storage and power electronics capabilities, are presently deployed in markets and applications around the world, ensuring power reliability, independence and security. Headquartered in Menomonee Falls, Wisconsin, USA, ZBB also has offices in Perth, Western Australia. In December 2011, the Company contributed cash and certain assets to ZBB PowerSav Holdings Limited, which contributed assets to form Meineng Energy, a joint venture in China.

The Company’s advanced electrical power management platforms target the growing global need for distributed renewable energy, energy efficiency, power quality and grid modernization. The consolidated financial statements include the accounts of the Company and those of its wholly-owned subsidiaries, Tier Electronics LLC which operates manufacturing facilities in Menomonee Falls, Wisconsin, ZBB Energy Pty Ltd. (formerly known as ZBB Technologies, Ltd.), which has an advanced engineering and development facility in Perth, Australia, and its sixty percent owned subsidiary ZBB PowerSav Holdings Limited located in Hong Kong, which was formed in connection with the Company’s investment in a China joint venture. A former wholly-owned subsidiary, ZBB Technologies, Inc., was merged with and into ZBB on January 1, 2012.

## Our Products

These are disruptive times for the power industry, and the industry must adapt to meet the challenges of a grid built on old technology and uneconomic, dispatched generation. With an abundance of renewable energy generation to be realized in various domestic and international locations, problems utilizing power from renewables persist because the grid network cannot effectively utilize the additional and inherently variable generation propensity of the renewables. The grid today simply isn't designed to accommodate such influxes and their intrinsic variability.

Our products address the grids limiting capabilities by integrating uncontrolled power flows into economical, clean and reliable power systems, providing proven solutions to modernize and create self-healing grids to mitigate the limitations of grids throughout the world.

Our products are also used throughout the world in remote micro grid applications, often completely off-grid, to leverage benefits from convergent value streams afforded by ZBB technologies' ability to provide consistent and reliable power to loads in remote areas from multiple, inherently variable renewable and conventional energy sources.

## Advanced Energy Storage

ZBB EnerStore flow batteries are modular and scalable, self-contained and front accessible – making them ideal for distributed energy projects whether on or off the grid. The ZBB EnerStore captures multiple value streams including time shifting, firming of renewables, load management and system backup.

ZBB EnerStore zinc-bromide flow batteries provide:

- The lowest cost of ownership over a 20-year design life in bulk energy storage applications
- 5x the energy density of vanadium redox flow battery designs
- A patented, integrated DC bus design requiring no onsite wiring for DC power connections
- A black-start capable system with no external auxiliary power input required
- A modular, redundant and scalable architecture from 50 kWh to Multi MWh from a single point of system connection
- Wide ambient operating temperature range with no external structures or climate controlled enclosures required for outdoor placement
- A system requiring no additional ventilation, fire suppression or spill containment for indoor locations



While ZBB manufactures flow battery technology, we are storage agnostic in our approach to designing systems, utilizing the best price and performance storage technology for the application and operating environment, often times using two or more types of energy storage in a hybrid configuration to optimize power and energy performance characteristics.

## Power Electronic Systems

The ZBB EnerSection power and energy control center provides a firm, dispatchable, renewable and back-up power plant for everyday energy management and emergency operations. Its configurable architecture integrates multiple AC and DC power generation sources together with one or many different types of energy storage units combined with any blend of utility grid-tie inverters, stand-alone inverters for off-grid AC power and/or DC outputs to provide DC power.

The ZBB EnerSection power and energy control center is:

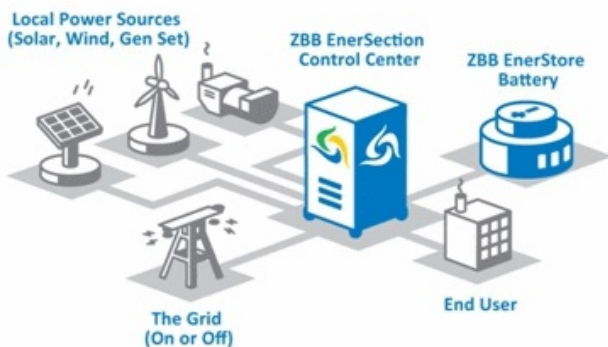
- The heart of the ZBB EnerSystem, requiring only a single point of connection to all connected power sources and storage
- A universal, modular design integrating any power input and output with any storage device via discrete power electronic 'buckets'
- Easily and quickly expanded or modified in the field
- Utilizes inverters that are certified to the UL1741 standard
- Patented with a common DC bus seamlessly hybridizing multiple battery traits —providing a fast response with long discharge bulk storage as needed
- Rated from 25kw to Multi MW
- A system with a wide temperature range of -22°F to 122°F / -30°C to 50°C



- Available with additional AC and/or DC output ‘buckets’ for continuous, grid independent power supply to critical loads onsite
- Customizable with an optional ZBB Grid Isolation Disconnect (GID) which automatically provides both normal and backup power supply with controls to isolate power to and from the grid supply, while connecting customer loads with onsite generation and storage during outages, then seamlessly reconnects to the normal grid operation when grid service is restored.

### Integrated Power Management Platform and Energy Storage

The ZBB EnerSystem integrated energy management platform combines the power and energy controls of its ZBB EnerSection and advanced energy storage with its ZBB EnerStore battery, or a hybrid of various energy storage technologies, to optimize local, renewable energy resources and other power inputs from any source.



*ZBB EnerSystem Integrated Power Management System and Energy Storage*

The ZBB EnerSystem:

- Optimizes and integrates multiple, often intermittent energy sources into power that is manageable, cost-effective, clean, safe and secure
- Includes the ZBB EnerSection, a hybrid power conversion system and intelligent energy management system
- Is configurable, modular, flexible and scalable for on-grid, off-grid and/or grid-as-backup (grid conversion)
- Has an open architecture that integrates multiple, simultaneous renewable energy sources including the grid as an input, with AC and/or DC critical power outputs
- Combines with energy storage, like the ZBB EnerStore or in a Hybrid Storage configuration that ensures continuous power regardless of momentary ramps up and down in generation supply and load demand
- Is factory-built and tested as a unique configuration for each customer application.

The ZBB EnerSystem can be configured with a variety of storage technologies to create the optimal solution for a given application. Each unique platform configuration provides an intelligent management system to realize multiple value streams including demand charge avoidance, enabling a higher penetration of renewables, management of DC circuits, avoiding turning loads off due to “Demand Response” and saving money by peak shaving or time shifting to lower rates.

### ZBB Platforms

ZBB energy storage and power control platforms are used in Grid Interactive, Grid Independent, and Grid Conversion environments for a variety of applications across all markets, both domestic and abroad. There are numerous value streams created by ZBB’s ability to provide consistent and reliable power from multiple, inherently variable, renewable energy sources.



#### Grid Interactive (Grid-Tied)

When connected to a stable grid, the ZBB EnerSystem can be used as a bi-directional, hybrid conversion platform, integrating multiple renewable and/or conventional power sources with energy storage. It provides for steady state output, emergency power supply and/or arbitrage pricing schemes to and from the utility supply.



#### Grid Independent (Off Grid)

When grid power is cost prohibitive, sporadic or completely unavailable, the ZBB EnerSystem supports the integration of nearly any combination of on-site power generating sources — creating a reliable microgrid. ZBB’s system allows for electrical cost savings and a reduction of diesel fuel power generation.



#### Grid Conversion (Grid as Input)

When energy is inconsistent, ZBB’s platform allows the grid to be used as a one way input to provide continuous power flows from connected resources – improving overall power availability. This platform isolates the load from various grid disturbances, variability of renewable sources, and minimizes the need to switch to or start-up diesel gen sets.





## Target Markets by Application

Whether connected to the grid or not, ZBB's power and energy control solutions are used in a variety of applications and markets. The primary users of our energy storage systems are expected to be utility companies at the distribution level, commercial/industrial users and remote off-grid applications.



### Microgrids

In applications where power is inconsistent, unreliable or relies on diesel generators, the ZBB EnerSystem provides a microgrid solution that can function as an autonomous island of power during times of emergency. With intelligent power management and storage, the ZBB EnerSystem uses a mix of energy sources, reduces dependence on diesel fuel power generation and avoids service interruptions providing grid stability even with increasing amounts of distributed renewable generation. The benefits of the ZBB EnerSystem in this application include:

- Reduce costly demand charges and peak rates
- Instant back-up power in combination with or in lieu of a diesel gen set
- Use normally 'stranded assets' during grid outages
- Modular and configurable architecture that is adaptable and scalable
- Transportable design allows for use in temporary bottlenecks and mobile platform needs.



### Commercial Buildings

Commercial building energy use in the United States is extremely high, and with the cost of energy and the risk of energy reliability both rising — large power consumers are positioning themselves to be more energy independent. Commercial building owners, managers and integrators can reduce costs, integrate renewables with storage and smart grid interface, minimize the use of diesel generators, and improve the reliability, security and efficiency of electric power with a ZBB EnerSystem. The benefits of the ZBB EnerSystem in this application include:

- Minimize peak loads
- Participate in utility demand response programs without curtailing operations
- Maintain critical systems during power outages or failures
- Dampen the impact of Level 3 EV Fast Charging
- Gain greater efficiency and improve reliability using a DC distribution system
- Participate in Federal and State tax credits and grants.



### Remote/Off-Grid

A remote or off-grid microgrid is usually built in areas that are a far distance from any transmission and distribution infrastructure and, therefore, have no connection to the utility grid. Remote microgrids operate in island mode 24/7 and are never connected to the grid. A ZBB EnerSystem can help provide clean, reliable electricity in remote off-grid environments by reducing or eliminating the use of diesel generators and lead-acid batteries. The benefits of the ZBB EnerSystem in this application include:

- Greatly reduce the use of generator fuel and challenges of frequent, challenging deliveries
- Minimize generator run-time, improve output efficiencies and reduce maintenance needs
- Optimize intermittent renewable sources
- Reduce complex system design, installation and operational architecture
- Displace bulky and costly lead-acid battery sets
- Lower cost for communication towers and provide remote power.

ZBB technology enables alternative energy growth and deployment. Specifically, we address the following issues in our target markets:

### **Renewable Energy**

Renewable energy sources can be optimized to offer firm supply using the ZBB EnerSystem. As solar and wind production is naturally variable, it rarely meets peak demand. However, wind and solar power can be stored during hours of peak production (wind at night, solar during the day) regardless of demand, and then be discharged to supplement traditional generation when renewable output is lower during needed demand windows.

### **Smart Grid**

The goal of the Smart Grid is to maximize the efficiency and reliability of the existing infrastructure as well as accommodate the continued integration of renewable power resources, however, the growth of the Smart Grid will depend on cost effective energy storage.

Utilizing an integrated management platform is key to establishing “off grid” and “Smart Grid” electrical systems. Since emission producing diesel generator sets are polluting, costly to maintain, and as fuel costs continue to rise, interest in renewable generation for off grid and back-up power applications has been accelerating.

A ZBB EnerSystem with renewable energy sources, deployed as an integrated solution to the problem, results in a reliable turnkey system capable of operating independent from the utility grid or as a Smart Grid solution. These systems can be used anywhere, including remote areas of the world where grid power can be sporadic or completely unavailable, or for consumers who prefer to operate off the grid.

Energy stored throughout the grid can provide dispatchable power to address peak power needs, decreasing the use of expensive plants that utilities power up as a last resort when demand spikes, making the network less volatile. Energy storage is crucial for making the most of variable renewable energy sources once they're connected to the grid.

### **Commercial Users**

A ZBB EnerStore can be charged during low cost off-peak periods when energy rates (kWh) and peak demand charges (kW) are low, and discharged during higher cost on-peak hours. Demand charges and the differential between on-peak and off-peak charges are two of many factors in the cost/benefit analysis. The economic advantages result from the reduction of peak demand/capacity charges deferred during on-peak hours and the difference in energy prices from off-peak to on-peak.

### **Marketing and Sales**

Over the course of the fiscal year, we have focused our sales and marketing organization and evolved the marketing and sales tools to develop new business opportunities that leverage our capabilities in advanced energy storage and power electronics. The team continues to win projects that demonstrate the value of ZBB's technologies, and we are working to build a project pipeline of commercial applications that are repeatable and scalable. Our sales and marketing team is paving the way for larger bookings targets as the North American market expands renewable energy integration and grid modernization. ZBB is well positioned for growth in our targeted vertical markets and other applications across global markets.

An important component of our marketing and sales strategy is to work with strategic partners in the United States and abroad who can help us achieve our business goals. ZBB has formalized and is executing on joint development and joint venture agreements in North America, South Korea and China, and will continue to evolve strategic relationships in geographic markets that offer rapid and substantial growth opportunities. These strategic partners offer numerous benefits, such as market entry and penetration, financial consideration, technical complement, government relationships and integration as well as support services. A small but growing company, we continue to demonstrate the ability to accomplish global reach and create strong partnerships that allow us to rapidly advance market penetration and technology development.

We have collaborated with a number of organizations in the transformation of ZBB into a commercial Company. These are some recent significant business highlights:

- In May 2013, ZBB announced the successful commissioning of a "first-in-world" multi generation source ZBB EnerSystem that provides uninterrupted power to DC voltage lighting loads, rack power to servers and other miscellaneous loads at (VISA's flagship) data center. The ZBB EnerSection provides a completely integrated energy management platform ready to interconnect for the requirements for distributed grid regulation by utility companies
- In March 2013, ZBB announced the launch of the first renewable energy, generator set and energy storage project sizing application, which is based on the ZBB EnerSystem platform. Powered by HOMER Energy's (Hybrid Optimization of Multiple Energy Resources) world-class optimization analytical engine, the new web-based application is accessible via ZBB Energy's corporate website, and is designed to provide optimized economic power system configurations for remote grid, microgrids, and intermittent grid supply applications by location
- In January 2013, ZBB announced the receipt of an order for a Grid Independent ZBB EnerSystem™ with its ZBB EnerStore Zinc Bromide flow batteries to provide an integrated Microgrid Energy Management System to the University of Technology Sydney (UTS) to serve as a permanent power source, demonstration unit and learning platform in the newly constructed Broadway Building
- In January 2013, ZBB announced that they entered into a strategic relationship with BPC Engineering (Moscow, Russia) [www.bpcgroup.ru](http://www.bpcgroup.ru). This relationship introduces ZBB's line of products into the Russian and Commonwealth of Independent States (CIS) markets. BPC Engineering, already established as a major supplier of distributed generation in the Russian and CIS markets, will market, sell and support ZBB products effective immediately. In conjunction with the signing of the strategic relationship with BPC Power Systems, ZBB received the initial purchase order for a complete ZBB EnerSystem consisting of a ZBB EnerStore flow battery and ZBB EnerSection power and control center
- In December 2012, ZBB announced it signed an agreement to supply its 2,000 kWh ZBB EnerStore System for the luxury eco-resort The Brando project in French Polynesia, designed to be the first LEED™ (Leadership in Energy and Environmental Design) Platinum certified destination resort in the world, as a new construction and in the campus category. The resort's electrical supply will include a mix of renewable energy sources, including an 896 kW array of photovoltaic (PV) panels and generators that use sustainable biofuels made from locally sourced coconut oil
- In November 2012, ZBB announced a strategic supply agreement to provide controllers for Crosspoint Kinetics' second generation hybrid system. Crosspoint Kinetics' second generation hybrid systems, initially serving the Class 4, 5 and 6 small to medium size bus markets in the United States, are valued for providing significantly greater fuel efficiency and reduced carbon emissions. Many fleets throughout North America presently have these systems operating in their equipment
- In July 2102, ZBB announced successful commissioning of its ZBB EnerSystem for the Illinois Institute of Technology's "Perfect Power" Micro Grid Project. Funded by IIT and the US Department of Energy ("DOE"), the "Perfect Power" micro grid system at IIT is the first energy distribution system of its kind in the United States
- In July 2012, ZBB's China Joint Venture Meineng Energy opened a state-of-the-art factory for manufacturing of advanced energy storage and control products. The factory is designed to have an annualized nameplate capacity rated at 100MWh of energy storage and control products

### Market Opportunities and Challenges

Our highest value opportunities continue to be the vertical markets consisting of industrial and commercial buildings, microgrids and remote grids. These vertical markets benefit from different value streams depending on the region of the world, but they share the common objectives of looking to simply and cost effectively ensure power quality, integrate renewables, minimize use of intermittent generators and have the opportunity to operate independent of the commercial grid.

Our near-term market growth initiatives are focused on opportunities for repeatable wins serving applications in the vertical markets that comprise our current order backlog, and utilize our Grid Interactive, Grid Independent, and Grid Conversion platforms in domestic and international markets.

The commercial and industrial buildings vertical market we serve benefits from the "customer side of the meter" in geographies that reduce costs by eliminating demand charges, time shifting from peak rates, reducing or eliminating costly diesel and leveraging greater use and diversity of renewable energy sources by managing intermittency. There is a tremendous opportunity to win repeat orders in this vertical market in regions such as Hawaii that can immediately benefit from the aforementioned value streams, and in international markets because we can firm load power in regions where the grid offers poor power quality and is generally unstable and unreliable.

The micro grid and remote grid vertical markets benefit financially and strategically from ZBB's capabilities, in that they are often minimizing the use of diesel by prioritizing and optimizing renewables while at the same time lessening dependence on the commercial grid. We have announced a number of projects for micro grid and remote grid applications, many of which are serving the Department of Defense, further establishing ZBB as the new standard for intelligent, integrated power management solutions. We have additional defense related projects in our pipeline, as well as remote grid applications serving the private commercial building market. These are grid independent applications that, if not for our capabilities, would often be completely reliant on local generation for their power requirements.

In the grid-tied commercial building market, we recently announced that we commissioned a ZBB EnerSystem at a mid-rise residential apartment building near downtown Honolulu. The system consists of ZBB EnerStore zinc bromide flow battery modules and a ZBB EnerSection directly connected to a photovoltaic (PV) array. The ZBB EnerSystem provides an integrated, scalable, modular, intelligent storage and power solution.

Our international partners in China (Meineng Energy) and South Korea (Lotte) are pursuing and engaging numerous opportunities solving various regional and market specific power issues, with the intent of leveraging those that prove to have the best near term adoption for longer term revenue growth and profitability.

Meineng Energy is now operating in a new, state-of-the-art factory designed for an annualized nameplate capacity rated at 100MWh of energy storage and power control products. The 3,000 square meter production area is configured to assemble and test the full suite of ZBB Energy advanced energy storage and power electronics products.

There are additional international markets with vertical specific targets that will play a significant role in our global growth, and our technology is designed to be easily adapted to region specific requirements to leverage a number of the same value streams present in the markets we serve today. We intend to align with strong regional partners as we enter additional international markets, and have active discussions with prospective strategic partners that offer the capabilities critical to achieving success in high growth, offshore markets.

Domestically and internationally, we anticipate our technologies serve as utility controlled assets on the grid which will be a significant consideration as utilities search for ways to monetize distributed renewables as they continue to gain parity with the grid.

Longer term vertical market considerations, such as for larger scale utility applications, are of interest, and our technology lends itself to scaling to larger block kWh hour sizes from our current block of 50 kWh units, we can scale for larger utility scale applications and decrease per kWh cost.

In the markets presently served, we are often replacing or offsetting use of commercial diesel generators and "business as usual" practices. We are storage agnostic, in that the ideal battery for every application and operating environment does not exist. We have booked projects that utilize other types of energy storage in conjunction with our ZBB EnerSection power and energy control technology, as well as hybridized platforms combining other technologies with our ZBB EnerStore flow battery. By hybridizing technologies, we can ensure that loads get exactly the power needed for the duration required in a wide range of applications and operating environments.

We have a substantial pipeline of projects serving diverse yet targeted markets and applications, indicating the interest in our technology as the answer to burning diesel fuel and operating with a "business as usual" mindset.

The capabilities resident within ZBB's wholly owned subsidiary, Tier Electronics, continue to provide opportunities to win custom power electronics business, specifically for applications requiring unique packaging, price and performance characteristics. Tier continues to demonstrate that their ability to move quickly from concept to prototype and subsequent production is of tremendous value in a variety of domestic and international markets, in applications as diverse as hybrid electric vehicles and utility line regulators.

## **Competition**

As discussed elsewhere in this Business section of this Annual Report on Form 10-K, we believe our technologies and products provide us with certain competitive advantages in the markets we serve. However, even with these advantages, the market for renewable energy products and services is intensely competitive and continually impacted by evolving industry standards, rapid price changes and product obsolescence. Our competitors include many domestic and foreign companies, most of which have substantially greater financial, marketing, personnel and other resources than we do. Although we believe that the advantages described above and elsewhere in this Business section of this Annual Report on Form 10-K position us well to be competitive in our industry, as a small company, we are and will continue to be at a competitive disadvantage to most of our competitors, which include larger, established companies that have substantially greater financial, technical, manufacturing, marketing, distribution and other resources than we do.

## Intellectual Property

Our market position, in part, depends on our Intellectual Property (IP) portfolio and our ability to obtain and maintain intellectual property (IP) protection for our products, processes, technology and know-how. In addition, we must operate without infringing on the proprietary rights of others while preventing others from infringing on our proprietary rights. We seek to protect our IP by, among other methods, filing United States and foreign patent applications related to our proprietary technology, inventions and improvements that are important to the development and conduct of our business. We also rely on trademarks, trade secrets, know-how and continuing technological innovation to evolve and ensure our proprietary position.

We have been issued international patents in several strategic countries including South Korea, China, Australia, Canada and Mexico and continue to pursue others for the ZBB EnerSection power and energy control technology US patent, issued in August of 2011. In July 2012 we also filed for US and international patents on enhancements to the ZBB EnerSection. Additionally, we have filed for multiple patents in the areas of advanced energy storage technology and power electronics and controls as they relate to our ZBB EnerStore battery and ZBB EnerSection power and energy control center, respectively, as well as, other power electronics products. Beyond the actual patent filings, we are presently in the process of completing disclosures and filings on several other patent filings in both the power electronics and controls and the ZBB EnerStore and ZBB EnerSection technologies. On an ongoing basis we review and evaluate the opportunity to expand our IP portfolio with an established roadmap of IP development as to the best means of protecting additional technologies related to each of the company's core product areas; power electronics; energy storage; and system integration and control.

In some circumstances we rely on trade secrets to protect our technology, and seek to protect our proprietary technology and processes, in part, by confidentiality agreements with our employees, customers, prospective customers, consultants, advisors and contractors.

We use trademarks on some of our products, and have registered our ZBB EnerStore, ZBB EnerSection, ZBB EnerSystem and ZBB EnerTower™ marks in the United States and internationally.

## Advanced Engineering and Development

Our key advanced engineering initiatives are:

- The advancement of our zinc bromide flow battery technology both internally and in cooperation with strategic partners
- Development of additional versions and sizes of the ZBB EnerSection and ZBB EnerStore
- Expansion of the existing ZBB EnerSection plug-and-play module portfolio
- Advancement of our remote monitoring and control platforms
- Development of additional power electronics and control technologies dedicated to support of the ZBB EnerSection as well as products designed for the renewable energy, alternative energy and power quality markets
- Continuous enhancement of the existing product lines.

The goal of these initiatives is to substantially reduce manufacturing costs, improve performance, reduce cost of ownership and expand the capabilities of our products. Our advanced engineering and development expense and cost of engineering and development revenues totaled approximately \$5.4 million and \$7.2 million in the years ended June 30, 2013 and 2012, respectively. We also had engineering and development revenues of approximately \$400,000 and \$2.5 million in the years ended June 30, 2013 and 2012, respectively.

## Employees

ZBB currently has an aggregate of 69 full time employees, of which 67 are located at our U.S. manufacturing and corporate headquarters in Wisconsin, and two are employed at our Research and Development facility in Australia. Tier Electronics has 9 full time employees at its manufacturing facility in Menomonee Falls, WI. We expect staffing numbers to increase as our business grows and new production equipment is deployed in accordance with our business expansion plans.

## Available Information

Our Annual Report on Form 10-K, our Quarterly Reports on Form 10-Q and any Current Reports on Form 8-K that we may file or furnish to the SEC pursuant to Sections 13(a) or 15(d) of the Securities Exchange Act of 1934 as well as any amendments to any of those reports are available free of charge on or through our website as soon as reasonably practicable after we file them with or furnish them to the SEC electronically. Our website is located at [www.zbbenergy.com](http://www.zbbenergy.com). In addition, you may receive a copy of any of our reports free of charge by contacting our Investor Relations department at our corporate headquarters.

## **Item 1A. Risk Factors**

We operate in a rapidly changing environment that involves a number of risks, some of which are beyond our control. This discussion highlights some of the risks which may affect future operating results. These are the risks and uncertainties we believe are most important for you to consider. We cannot be certain that we will successfully address these risks. If we are unable to address these risks, our business may not grow, our stock price may suffer and we may be unable to stay in business. Additional risks and uncertainties not presently known to us, which we currently deem immaterial or which are similar to those faced by other companies in our industry or business in general, may also impair our business operations.

### **Our stock price could be volatile and our trading volume may fluctuate substantially.**

The price of our common stock has been and may in the future continue to be extremely volatile, with the sale price fluctuating from a low of \$0.18 to a high of \$6.00 since June 18, 2007, the first day our stock was traded on the NYSE MKT (formerly NYSE Amex). Many factors could have a significant impact on the future price of our common stock, including:

- the various risks and uncertainties discussed below;
- general domestic and international economic conditions and other external factors;
- general market conditions; and
- the degree of trading liquidity in our common stock.

In addition, the stock market has from time to time experienced extreme price and volume fluctuations. This volatility has had a significant effect on the market price of securities issued by many companies which may be unrelated to the operating performance of those particular companies. These broad market fluctuations may adversely affect our share price, notwithstanding our operating results.

For the three-month period ended June 30, 2013, the daily trading volume for shares of our common stock ranged from 23,200 to 3,104,400 shares traded per day, and the average daily trading volume during such three-month period was 407,258 shares traded per day. Accordingly, our investors who wish to dispose of their shares of common stock on any given trading day may not be able to do so or may be able to dispose of only a portion of their shares of common stock.

### **We have incurred losses and anticipate incurring continuing losses.**

For the year ended June 30, 2013, we had revenues of \$7,723,699. During this period, we had a net loss of \$11,878,915 after deducting the net loss attributable to the noncontrolling interest. For the year ended June 30, 2012, we had revenues of \$4,805,568. During this period, we had a net loss of \$13,710,226. There can be no assurance that we will have income from operations or net income in the future. As of June 30, 2013 we had an accumulated deficit of \$80,932,824. We anticipate that we will continue to incur losses until we can produce and sell a sufficient number of our systems to be profitable. However, we cannot predict when we will operate profitably, if ever. Even if we do achieve profitability, we may be unable to sustain or increase our profitability in the future.

### **We need additional financing.**

We have incurred losses since inception and expect to continue to incur losses until we are able to significantly grow our revenues. Accordingly we need additional financing to remain in operation and to maintain and expand our business, and such financing may not be available on favorable terms, if at all. In the event that we issue any additional equity securities, investors' interests in the Company will be diluted and investors may suffer dilution in their net book value per share depending on the price at which such securities are sold. Further, any such issuance may result in a change in control.

If we are unable to obtain the necessary funds on acceptable terms, we may not be able to:

- remain in operation;
- execute our growth plan;
- take advantage of future opportunities; or
- respond to customers and competition.

We may issue debt and/or senior equity securities in the future which would be senior to our common stock upon liquidation. Upon liquidation, holders of our debt securities, senior equity securities and lenders with respect to other borrowings will receive distributions of our available assets prior to the holders of our common stock.

**Our industry is highly competitive and we may be unable to successfully compete.**

We compete in the market for renewable energy products and services which is intensely competitive. Evolving industry standards, rapid price changes and product obsolescence also impact the market. Our competitors include many domestic and foreign companies, most of which have substantially greater financial, marketing, personnel and other resources than we do. Our current competitors or new market entrants could introduce new or enhanced technologies, products or services with features that render our technologies, products or services obsolete or less marketable. Our success will be dependent upon our ability to develop products that are superior to existing products and products introduced in the future, and which are cost effective. In addition, we may be required to continually enhance any products that are developed as well as introduce new products that keep pace with technological change and address the increasingly sophisticated needs of the marketplace. Even if our current technologies prove to be commercially feasible, there is extensive research and development being conducted on alternative energy sources that may render our technologies and protocols obsolete or otherwise non-competitive.

There can be no assurance that we will be able to keep pace with the technological demands of the marketplace or successfully develop products that will succeed in the marketplace. As a small company, we will be at a competitive disadvantage to most of our competitors, which include larger, established companies that have substantially greater financial, technical, manufacturing, marketing, distribution and other resources than us. There can be no assurance that we will have the capital resources available to undertake the research which may be necessary to upgrade our equipment or develop new devices to meet the efficiencies of changing technologies. Our inability to adapt to technological change could have a materially adverse effect on our results of operations.

**Our ability to achieve significant revenue growth will be dependent on the successful commercialization of our new products, including our third generation ZBB EnerStore zinc bromide flow battery and ZBB EnerSection power and energy control center.**

We anticipate that a substantial majority of our revenue in fiscal year 2014 will come from new products, including our third generation ZBB EnerStore zinc bromide flow battery and ZBB EnerSection power and energy control center. If these new products do not meet with market acceptance, our business, financial condition and results of operations will be adversely affected. A number of factors may affect the market acceptance of our new products, including, among others:

- the price of our products relative to other products either currently available or subsequently introduced;
- the perception by potential customers and strategic partners of the effectiveness of our products for their intended purposes;
- our ability to fund our manufacturing, sales and marketing efforts; and
- the effectiveness of our sales and marketing efforts.

Our products are and will be sold in new and rapidly evolving markets. As such, we cannot accurately predict the extent to which demand for these products will increase, if at all. We do not know whether our targeted customers will accept our technology or will purchase our products in sufficient quantities to allow our business to grow. To succeed, demand for our products must increase significantly in existing markets, and there must be strong demand for products that we introduce in the future. The commercial success of our new products is also dependent on the design and development of an efficient and cost-effective means to integrate such products into existing electrical systems.

**To achieve profitability, we will need to lower our costs and increase our margins, which we may not be able to do.**

To achieve profitability we will need to lower our costs and increase our margins. A major focus for us for fiscal 2014 is to improve our global supply chain and reduce our costs. These efforts may fail due to unforeseen factors. Our failure to lower our costs could make our products less competitive and harm our ability to grow our revenues. Our inability to lower our costs and increase our margins could have a materially adverse effect on our results of operations.

**If our products do not perform as planned, we could experience increased costs, lower margins and harm to our reputation.**

We anticipate that a substantial majority of our revenue in fiscal year 2014 will come from new products, including our third generation ZBB EnerStore zinc bromide flow battery and ZBB EnerSection power and energy control center. The failure of these or other products to perform as planned could result in increased costs, lower margins and harm to our reputation which could have a material adverse effect on our business and financial results.

**To succeed, we will need to rapidly grow and we may not be successful in managing this rapid growth.**

In order to successfully grow our revenues and become profitable, we will need to grow rapidly but if we fail to effectively manage this growth; our business could be adversely affected. Rapid growth will place significant demands on our management, operational and financial infrastructure. If we do not effectively manage our growth, we may fail to timely deliver products to our customers in sufficient volume or the quality of our products could suffer, which could negatively affect our operating results. To effectively manage this growth, we will need to hire additional personnel, and we will need to continue to improve our operational, financial and management controls and our reporting systems and procedures. As we move forward in commercializing our new products, we will also need to effectively manage our manufacturing and marketing needs, which represent new areas of oversight for us. These additional employees, systems enhancements and improvements will require significant capital expenditures and management resources. Failure to successfully implement these improvements could hurt our ability to manage our growth and our financial position.



**Our relationships with our strategic partners may not be successful and we may not be successful in establishing additional partnerships, which could adversely affect our ability to commercialize our products and services.**

An important element of our business strategy is to enter into strategic partnerships with partners who can assist us in achieving our business goals. We are currently a party to several strategic partnership arrangements and any disruption in these collaborations could be detrimental to our business. We expect to seek additional collaborators or strategic partners due the expense, effort and expertise required to develop market and commercialize our products and our limited resources, but we may not be successful in our efforts to establish additional strategic partnerships and arrangements. If we are unable to reach agreements with suitable strategic partners, we may fail to meet our business objectives for the commercialization of our products. The terms of any additional strategic partnerships or other arrangements that we establish may not be favorable to us. Our inability to successfully implement strategic partnerships and arrangements could adversely affect our business, financial condition and results of operations.

**Shortages or delay of supplies of component parts may adversely affect our operating results until alternate sources can be developed.**

Our operations are dependent on the ability of suppliers to deliver quality components, devices and subassemblies in time to meet critical manufacturing and distribution schedules. If we experience any constrained supply of any such component parts, such constraints, if persistent, may adversely affect operating results until alternate sourcing can be developed. There may be an increased risk of supplier constraints in periods where we are increasing production volume to meet customer demands. Volatility in the prices of component parts, an inability to secure enough components at reasonable prices to build new products in a timely manner in the quantities and configurations demanded or, conversely, a temporary oversupply of these parts, could adversely affect our future operating results.

**We have no experience manufacturing our products on a large-scale basis and may be unable to do so at our manufacturing facilities.**

To date, we have achieved only very limited production of our energy storage systems and have no experience manufacturing our products on a large-scale basis. We believe our current facilities in Menomonee Falls, Wisconsin, are sufficient to allow us to significantly increase production of our products. However, there can be no assurance that our current facilities, even if operating at full capacity, will be adequate to enable us to produce the energy storage systems in sufficient quantities to meet hoped for future orders. Our inability to manufacture a sufficient number of units on a timely basis would have a material adverse effect on our business prospects, financial condition and results of operations. In addition, even if we are able to meet production requirements, we may not be able to achieve margins that enable us to become profitable.

**Our China joint venture could be adversely affected by the laws and regulations of the Chinese government, our lack of decision-making authority and disputes between us and the Joint Venture.**

The China market has a large inherent need for advanced energy storage and power electronics and is likely to become the world's largest market for energy storage. To take advantage of this opportunity, in November 2011, we established a joint venture to develop, produce, sell, distribute and service advanced storage batteries and power electronics in China (the "Joint Venture").

However, achieving the anticipated benefits of the Joint Venture is subject to a number of risks and uncertainties.

The Joint Venture has (1) an exclusive royalty-free license to manufacture and distribute our third generation ZBB EnerStore zinc bromide flow battery and ZBB EnerSection power and energy control center (up to 250KW) (the "Products") in mainland China in the power supply management industry and (2) a non-exclusive royalty-free license to manufacture and distribute the Products in Hong Kong and Taiwan in the power supply management industry. Although the Joint Venture partners are contractually restricted from using our intellectual property outside of the Joint Venture, there is always a general risk associated with sharing intellectual property with third parties and the possibility that such information may be used and shared without our consent. Moreover, China laws that protect intellectual property rights are not as developed and favorable to the owner of such rights as are U.S. laws. If any of our intellectual property rights are used or shared without our approval in China, we may have difficulty in prosecuting our claim in an expeditious and effective manner. Difficulties or delays in enforcing our intellectual property rights could have a material adverse effect on our business and prospects.

As a general matter, there are substantial uncertainties regarding the interpretation and application of China laws and regulations, including, but not limited to, the laws and regulations governing the anticipated business of the Joint Venture and the protection of intellectual property rights. These laws and regulations are sometimes vague and may be subject to future changes, and their official interpretation and enforcement may involve substantial uncertainty. The effectiveness of newly enacted laws, regulations or amendments may be delayed, resulting in detrimental reliance by foreign investors. New laws and regulations that affect existing and proposed future businesses may also be applied retroactively. The unpredictability of the interpretation and application of existing and new China laws and regulations will pose additional challenges for us as we seek to develop and grow the Joint Venture's business in China. Our failure to understand these laws or an unforeseen change in a law or the application thereof could have an adverse effect on the Joint Venture.

The success of the Joint Venture will depend in part on continued support of "new energy" initiatives by the government of China that includes requirements for products like ours. Should the government change its policies in an unfavorable manner the anticipated demand for the Joint Venture's products in China may fail to materialize.

The Joint Venture may have economic, tax or other business interests or goals which are inconsistent with our business interests or goals, and may be in a position to take actions contrary to our policies or objectives. Disputes between us and the Joint Venture partners may result in litigation or arbitration that could be costly and divert the attention of our management and key personnel from focusing their time and effort on our day to day business. In addition, we may, in certain circumstances, be liable for the actions of the Joint Venture.

The Joint Venture is a new business in China. As with any new business, there will be many challenges facing the Joint Venture, including establishing successful manufacturing capabilities, developing a market for the Joint Venture's products, obtaining requisite governmental approvals and permits, implementation of an untested business plan, and securing adequate funding for working capital and growth. Failure to overcome any of these or any other challenges facing the Joint Venture could result in its failure.

**Business practices in Asia may entail greater risk and dependence upon the personal relationships of senior management than is common in North America, and therefore some of our agreements with other parties in China and South Korea could be difficult or impossible to enforce.**

We are increasing our business activities in Asia. The business culture in parts of Asia is, in some respects, different from the business cultures in Western countries. Personal relationships among business principals of companies and business entities in Asia are very significant in their business cultures. In some cases, because so much reliance is based upon personal relationships, written contracts among businesses in Asia may be less detailed and specific than is commonly accepted for similar written agreements in Western countries. In some cases, material terms of an understanding are not contained in the written agreement but exist only as oral agreements. In other cases, the terms of transactions which may involve material amounts of money are not documented at all. In addition, in contrast to the Western business environment where a written agreement specifically defines the terms, rights and obligations of the parties in a legally-binding and enforceable manner, the parties to a written agreement in Asia may view that agreement more as a starting point for an ongoing business relationship which will evolve and undergo ongoing modification over time. As a result, any contractual arrangements we enter into with a counterparty in Asia may be more difficult to review, understand and/or enforce.

**Our success depends on our ability to retain our managerial personnel and to attract additional personnel.**

Our success depends largely on our ability to attract and retain managerial personnel. Competition for desirable personnel is intense, and there can be no assurance that we will be able to attract and retain the necessary staff. The loss of members of managerial staff could have a material adverse effect on our future operations and on successful development of products for our target markets. The failure to maintain management and to attract additional key personnel could materially adversely affect our business, financial condition and results of operations.

**We market and sell, and plan to market and sell, our products in numerous international markets. If we are unable to manage our international operations effectively, our business, financial condition and results of operations could be adversely affected.**

We market and sell, and plan to market and sell, our products in a number of foreign countries, including China, Australia, South Africa, Canada, European Union countries, the United Kingdom, Italy, Chile, Brazil, India, Mexico as well as Puerto Rico, various Caribbean island nations and various southeast Asia countries, and we are therefore subject to risks associated with having international operations. Risks inherent in international operations include, but are not limited to, the following:

- changes in general economic and political conditions in the countries in which we operate;
- unexpected adverse changes in foreign laws or regulatory requirements, including those with respect to renewable energy, environmental protection, permitting, export duties and quotas;
- trade barriers such as export requirements, tariffs, taxes and other restrictions and expenses, which could increase the prices of our products and make us less competitive in some countries;
- fluctuations in exchange rates may affect demand for our products and may adversely affect our profitability;
- difficulty of, and costs relating to compliance with, the different commercial and legal requirements of the overseas markets in which we offer and sell our products;
- inability to obtain, maintain or enforce intellectual property rights; and
- difficulty in enforcing agreements in foreign legal systems.

Our business in foreign markets requires us to respond to rapid changes in market conditions in these countries. Our overall success as a global business depends, in part, on our ability to succeed in differing legal, regulatory, economic, social and political conditions. We may not be able to develop and implement policies and strategies that will be effective in each location where we do business, which in turn could adversely affect our business, financial condition and results of operations.

**Our financial results may vary significantly from period-to-period due to long and unpredictable sales cycles for some of our products and the cyclical nature of certain end-markets into which we sell our products, which may in turn lead to volatility in our stock price.**

The amount and timing of our revenue recognition from sales to our customers is difficult to predict. We are often required to invest significant time to educate our customers about the use and benefits of our products, including their technical and performance characteristics. Customers typically undertake a significant evaluation process that has in the past resulted in a lengthy sales cycle for us, typically many months. If our revenue falls below our expectations or is delayed in any given period, we may not be able to reduce proportionately our operating expenses for that period.

Accordingly, we believe that quarter-to-quarter comparisons of our operating results are not necessarily meaningful and that these comparisons cannot be relied upon as indicators of future performance.

**Businesses and consumers might not adopt alternative energy solutions as a means for obtaining their electricity and power needs, and therefore our revenues may not increase, and we may be unable to achieve and then sustain profitability.**

On-site distributed power generation solutions, such as fuel cell, photovoltaic and wind turbine systems, which utilize our energy storage systems, provide an alternative means for obtaining electricity and are relatively new methods of obtaining electrical power that businesses may not adopt at levels sufficient to grow this part of our business. Traditional electricity distribution is based on the regulated industry model whereby businesses and consumers obtain their electricity from a government regulated utility. For alternative methods of distributed power to succeed, businesses and consumers must adopt new purchasing practices and must be willing to rely upon less traditional means of purchasing electricity. We cannot assure you that businesses and consumers will choose to utilize on-site distributed power at levels sufficient to sustain our business in this area. The development of a mass market for our products may be impacted by many factors which are out of our control, including:

- market acceptance of fuel cell, photovoltaic and wind turbine systems that incorporate our products;
- the cost competitiveness of these systems;
- regulatory requirements; and
- the emergence of newer, more competitive technologies and products.

If a mass market fails to develop or develops more slowly than we anticipate, our business, financial condition and results of operations could be materially adversely affected.

**The success of our business depends on our ability to develop and protect our intellectual property rights, which could be expensive.**

Our ability to compete effectively will depend, in part, on our ability to protect our proprietary technologies, systems designs and manufacturing processes. While we have attempted to safeguard and maintain our proprietary rights, there can be no assurance we have been or will be completely successful in doing so. We rely on patents, trademarks, and policies and procedures related to confidentiality to protect our intellectual property. However, most of our intellectual property is not covered by any patents or patent applications. Moreover, there can be no assurance that any of our pending patent applications will issue or, in the case of patents issued or to be issued, that the claims allowed are or will be sufficient to protect our technology or processes. Even if all of our patent applications are issued, our patents may be challenged or invalidated. Patent applications filed in foreign countries may be subject to laws, rules and procedures that are substantially different from those of the United States, and any resulting foreign patents may be difficult and expensive to enforce.

While we take steps to protect our proprietary rights to the extent possible, there can be no assurance that third parties will not know, discover or develop independently equivalent proprietary information or techniques, that they will not gain access to our trade secrets or disclose our trade secrets to the public. Therefore, we cannot guarantee that we can maintain and protect unpatented proprietary information and trade secrets. Misappropriation of our intellectual property could have an adverse effect on our competitive position and may cause us to incur substantial litigation costs.

**We may be subject to claims that we infringe the intellectual property rights of others, and unfavorable outcomes could harm our business.**

Our future operations may be subject to claims, and potential litigation, arising from our alleged infringement of patents, trade secrets or copyrights owned by other third parties. We intend to fully comply with the law in avoiding such infringements. However, we may become subject to claims of infringement, including such claims or litigation initiated by existing, better-funded competitors. We could also become involved in disputes regarding the ownership of intellectual property rights that relate to our technologies. These disputes could arise out of collaboration relationships, strategic partnerships or other relationships. Any such litigation could be expensive, take significant time, and could divert management's attention from other business concerns. Our failure to prevail in any such legal proceedings, or even the mere occurrence of such legal proceedings, could substantially affect our ability to meet our expenses and continue operations.

**If our shareholders' equity falls below the minimum requirement or we otherwise fail to satisfy all required continued listing requirements, our common stock may be delisted from the NYSE MKT, which would cause our common stock to become less liquid.**

Our shares have been listed on the NYSE MKT (formerly the NYSE Amex) since June 18, 2007. We are required to comply with all reporting and listing requirements on a timely manner and maintain our corporate governance and independent director standards. The NYSE MKT imposes, among other requirements, listing maintenance standards including minimum shareholders' equity, minimum stock price and market capitalization requirements.

If we are unable to remain in compliance with applicable listing requirements and our common stock is delisted by NYSE MKT, it could lead to a number of negative implications, including reduced liquidity in our common stock and greater difficulty in obtaining financing. There can be no assurance that our common stock will remain eligible for trading on the NYSE MKT.

**We may engage in acquisitions that could disrupt our business, cause dilution to our stockholders and reduce our financial resources.**

In the future, we may enter into transactions to acquire other businesses, products or technologies. If we do identify suitable candidates, we may not be able to make such acquisitions on favorable terms or at all. Any acquisitions we make may not strengthen our competitive position, and these transactions may be viewed negatively by customers or investors. We may decide to incur debt in connection with an acquisition or issue our common stock or other securities to the stockholders of the acquired company, which would reduce the percentage ownership of our existing stockholders. We could incur losses resulting from undiscovered liabilities of the acquired business that are not covered by the indemnification we may obtain from the seller. In addition, we may not be able to successfully integrate the acquired personnel, technologies and operations into our existing business in an effective, timely and non-disruptive manner. Acquisitions may also divert management from day-to-day responsibilities, increase our expenses and reduce our cash available for operations and other uses. We cannot predict the number, timing or size of future acquisitions or the effect that any such transactions might have on our operating results.

**We have never paid cash dividends and do not intend to do so.**

We have never declared or paid cash dividends on our common stock. We currently plan to retain any earnings to finance the growth of our business rather than to pay cash dividends. Payments of any cash dividends in the future will depend on our financial condition, results of operations and capital requirements, as well as other factors deemed relevant by our board of directors.

**Item 1B. Unresolved Staff Comments**

Not Applicable.

**Item 2. Properties**

***Wisconsin U.S.A. Properties***

The Company's primary manufacturing and administrative facility is located at N93 W14475 Whittaker Way, Menomonee Falls, Wisconsin. The Company owns this facility which has approximately 72,000 square feet of space. We believe this facility has manufacturing capacity for up to \$45 million of annual product sales.

Tier Electronics LLC leases its facility located in Menomonee Falls, Wisconsin under a lease agreement expiring December 31, 2014. The current rental is \$84,000 per annum and is subject to a CPI adjustment at renewal. The Company is required to pay real estate taxes and other occupancy costs related to the facility. The property is approximately 10,400 square feet and is used to house Tier Electronics LLC's production, assembly and administration headquarters. We believe this facility has manufacturing capacity for up to \$5 million of annual product sales.

***Bibra Lake, Western Australia (Leasehold)***

In 2001 our Australian subsidiary, moved into new, leased, self-contained research and development facilities in Bibra Lake, Western Australia after previously occupying leased laboratory and workshop facilities. This facility also provides the engineering support for Australian and Southeast Asia sales as well as a marketing base for the Company in this region. The current rental is \$102,420 per annum (A\$96,807, subject to annual CPI adjustments expiring on October 31, 2016).

**Item 3. Legal Proceedings**

Not applicable.

**Item 4. Mine Safety Disclosures**

Not applicable.

## PART II

### Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

The Common Stock of the Company has traded on the NYSE MKT (formerly the American Stock Exchange) under the name ZBB Energy Corporation (Symbol: ZBB) since June 18, 2007. The following table sets forth for the periods indicated the range of high and low reported sales price per share of our common stock as reported on NYSE MKT.

	High (\$)	Low (\$)
2013		
Fourth Quarter	0.48	0.22
Third Quarter	0.45	0.27
Second Quarter	0.35	0.18
First Quarter	0.41	0.26
2012		
Fourth Quarter	0.70	0.34
Third Quarter	0.98	0.60
Second Quarter	0.89	0.51
First Quarter	1.21	0.54
2011		
Fourth Quarter	1.32	0.86
Third Quarter	1.59	0.98
Second Quarter	1.20	0.41
First Quarter	0.93	0.43

As of September 30, 2013, the Company had 827 shareholders of record. These shareholders of record do not include non-registered stockholders whose shares are held in "nominee" or "street name."

We have not declared or paid cash dividends on our common stock and do not anticipate paying any cash dividends in the foreseeable future.

#### Recent Sales of Unregistered Securities; Use of Proceeds from Registered Securities

During the year ended June 30, 2013, pursuant to a services agreement we issued to the subject service provider as partial consideration for services to be rendered to us under the agreement three year warrants to purchase 106,500 shares of our common stock at exercise prices of \$0.42 and \$1.00 per share. These warrants and the shares of Common Stock issuable upon exercise of the warrants were issued upon the exemption from the registration provisions of the Securities Act of 1933 provided for by Section 4(2) thereof for transactions not involving a public offering. Use of this exemption is based on the following facts:

- Neither we nor any person acting on our behalf solicited any offer to buy nor sell securities by any form of general solicitation or advertising.
- At the time of the purchase, the service provider was an accredited investor, as defined in Rule 501(a) of the Securities Act.
- The service provider has had access to information regarding the Company and is knowledgeable about us and our business affairs.
- The warrants were issued with a restrictive legend stating that the warrants and the underlying shares of common stock may only be disposed of pursuant to an effective registration or exemption from registration in compliance with federal and state securities laws.

**Item 6. Selected Financial Data**

Not applicable.

**Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations**

The following discussion and analysis should be read in conjunction with our Consolidated Financial Statements and related Notes included elsewhere in this Annual Report on Form 10-K. Some of the information contained in this Management's Discussion and Analysis of Financial Condition and Results of Operations and elsewhere in this report includes forward-looking statements based on our current management's expectations. There can be no assurance that actual results, outcomes or business conditions will not differ materially from those projected or suggested in such forward-looking statements as a result of various factors, including, the risks and uncertainties discussed in the Risk Factors section of this Annual Report on Form 10-K.

**Overview**

ZBB Energy Corporation ("We," "Us," "Our," "ZBB" or the "Company") develops and manufactures modular, scalable and environmentally friendly power systems (ZBB EnerSystem) based upon the Company's proprietary zinc bromide rechargeable electrical energy storage technology.

We provide advanced electrical power management platforms targeted at the growing global need for distributed renewable energy, energy efficiency, power quality, and grid modernization. We have developed a portfolio of intelligent power management platforms that directly integrate multiple renewable and conventional onsite generation sources with rechargeable zinc bromide flow batteries and other storage technology. We also offer advanced systems to directly connect wind and solar equipment to the grid and systems that can form various levels of micro-grids. We have also developed hybrid vehicle control systems and power quality products. These platforms provide a wide range of renewable energy solutions in global markets for utility, governmental, commercial, industrial and residential customers.

On August 30, 2011, we entered into agreements providing for establishment of a joint venture to develop, produce, sell, distribute and service advanced storage batteries and power electronics in China (the "Joint Venture"). Joint Venture partners include ZBB PowerSav Holdings Limited, AnHui Xinlong Electrical Co. and Wuhu Huarui Power Transmission & Transformation Engineering Co.

The Joint Venture was established in November 2011 and operates through a jointly owned company located in Wuhu City, Anhui Province named Anhui Meineng Store Energy Co., Ltd. (the "JV Company"). The JV Company will initially assemble and ultimately manufacture the Company's products for sale in the power management industry on an exclusive basis in mainland China and on a non-exclusive basis in Hong Kong and Taiwan.

The JV Company has been capitalized with approximately \$13.6 million of equity capital, which includes approximately \$9.5 million of cash and a contribution of technology from us to the JV Company via a license agreement (the "License Agreement") valued at approximately \$4.1 million by the JV Company. Our indirect interest in the JV Company equals approximately 33%.

Our investment in the JV Company was made through ZBB PowerSav Holdings Limited, a Hong Kong limited liability company, a holding company formed with PowerSav New Energy Holdings Limited ("Hong Kong Holdco"). We own 60% of Hong Kong Holdco's equity interests. We have the right to appoint a majority of the members of the Board of Directors of Hong Kong Holdco and Hong Kong Holdco has the right to appoint a majority of the members of the Board of Directors of the JV Company.

Pursuant to a management services agreement Hong Kong Holdco will provide certain management services to the JV Company in exchange for a management services fee equal to five percent of the JV Company's net sales for the first five years and three percent of the JV Company's net sales for the subsequent three years.

Pursuant to the License Agreement, the Company has granted to the JV Company (1) an exclusive royalty-free license to manufacture and distribute our Version 3 battery Module and ZBB EnerSection POWR PECC (up to 250KW) (the "Products") in mainland China in the power supply management industry and (2) a non-exclusive royalty-free license to manufacture and distribute the Products in Hong Kong and Taiwan in the power supply management industry.

Pursuant to a research and development agreement, the JV Company may request us to provide research and development services upon commercially reasonable terms and conditions. The JV Company would pay our fully-loaded costs and expenses incurred in providing such services.

### **New Accounting Pronouncements**

Refer to Note 1 of the Notes to Consolidated Financial Statements for a discussion of recently issued accounting pronouncements.

### **Critical Accounting Policies and Estimates**

The preparation of our financial statements conforms to accounting principles generally accepted in the United States of America, which requires management, in applying our accounting policies, to make estimates and judgments that have an important impact on our reported amounts of assets, liabilities, revenue, expenses and related disclosures at the date of our financial statements. On an on-going basis, management evaluates its estimates including those related to bad debts, inventory valuations, warranty obligations, asset impairments and income taxes. Management bases its estimates and judgments on historical experience and on various other factors that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from management's estimates. The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America and related disclosures require management to make estimates and assumptions.

### **Critical Accounting Estimates**

#### **Revenue Recognition**

Application of the accounting principles related to the measurement and recognition of revenue requires the company to make judgments and estimates. Even for the same product, the company often has to interpret contract terms to determine the appropriate accounting treatments. When services, installation and training etc., are rendered with product sales, the company determines whether the deliverables should be treated as separate units of accounting. When there are multiple transactions with the same customer, significant judgments should be made determines whether separate contracts are considered as part of one arrangement according to the contracts terms and conditions. When the installed equipment is accepted by customer in different periods, the company determines whether the completed project is able to be used by customer, whether the receivable is collectible and whether revenue is recognized by stages.

Revenue recognition is also impacted by various factors, including the credit-worthiness of the customer. Estimates of these factors are evaluated periodically to assess the adequacy of the estimates. If the estimates were changed, revenue would be impacted.

#### **Excess and Obsolete Inventory**

We determine the amount of inventory that is excess and obsolete using estimates of future demand for individual components of raw materials and finished goods.

To determine excess and obsolete inventory, we compare listings of existing piece parts and finished goods to future product demand and usage requirements. We record a full valuation allowance for inventory quantities on hand in excess of two years' expected usage.

We believe our accounting estimate related to excess and obsolete inventory is a critical accounting estimate because it requires us to make assumptions about future sales volumes and product mix, which can be highly uncertain. Changes in these estimates can have a material effect on our financial statements.

#### **Warranty Provision**

The Company's products are generally covered by a warranty for 12 months. The company accrues for warranty costs as part of cost of sales based on associated material costs, technical support labor costs, and associated overheads.

If the company experiences an increase in warranty claims compared with the historical experience, or if the cost of servicing warranty claims is greater than expected, the company's gross margin could be adversely affected.

#### **Stock Based Compensation**

The Company's Board of Directors approves grants of stock options to employees to purchase our common stock. Stock compensation expense is recorded based upon the estimated fair value of the stock option at the date of grant. The accounting estimate related to stock-based compensation is considered a "critical accounting estimate" because estimates are made in calculating compensation expense including expected option lives, forfeiture rates and expected volatility. Expected option lives are estimated using vesting terms and contractual lives. Expected forfeiture rates and volatility are calculated using historical information. Actual option lives and forfeiture rates may be different from estimates and may result in potential future adjustments which would impact the amount of stock-based compensation expense recorded in a particular period.



## Results of Operations

### Year ended June 30, 2013 compared with the Year Ended June 30, 2012

#### *Revenue:*

Our revenues for the years ended June 30, 2013 and June 30, 2012 were \$7,723,699 and \$4,805,568, respectively. The increase of \$2,918,131 was the result of a \$5,053,104 increase in commercial product sales and a \$2,134,973 decrease in engineering and development revenues as compared to the year ended June 30, 2012. The increase in commercial product sales principally consisted of sales of ZBB EnerStore and ZBB EnerSection systems which we began selling in the quarter ended March 31, 2012 and sales attributable to our hybrid motor controllers. Engineering and development revenues for fiscal 2013 period consisted primarily of revenue recognized under a joint development and license agreement. Engineering and development revenues for fiscal 2012 consisted primarily of revenue recognized under the Honam Collaboration agreement which was recognized over the performance period through June 2012.

#### *Costs and Expenses:*

Total costs and expenses for the years ended June 30, 2013 and June 30, 2012 were \$19,322,998 and \$17,260,864, respectively. This increase of \$2,062,134 in the year ended June 30, 2013 was primarily due to the following factors:

- a \$4,207,569 increase in costs of product sales was due to a \$5 million increase in commercial product sales;
- a \$896,810 decrease in costs of engineering and development sales was due to decreased activities related to engineering and development agreements;
- a \$875,485 decrease in advanced engineering and development expenses was due to a decrease in ZBB EnerStore and ZBB EnerSection product development cost and a transition to commercial production and sales of these products.

#### *Other Expense:*

Total Other Expense for the year ended June 30, 2013 decreased by \$710,652 to \$1,008,247 from \$1,718,899 for the year ended June 30, 2012 primarily as a result of a \$1,352,785 decrease in interest expense and \$582,150 increase in equity in loss of investee company.

### **Income Taxes (Benefit):**

Benefit for income taxes during the year ended June 30, 2013 decreased by \$98,351 to \$154,904 from \$253,255 for the year ended June 30, 2012. Benefit for income taxes represents an estimate of a refundable research and development tax credit we expect to receive from the government of Australia for the fiscal year ended June 30, 2013 related to the qualified expenditures we incurred during the year ended June 30, 2013.

### **Net Loss:**

Our net loss for the year ended June 30, 2013 decreased by \$1,831,311 to \$11,878,915 from the \$13,710,226 net loss for the year ended June 30, 2012. This decrease in loss was primarily the result of increases in revenues and decreases in expenses as described above.

### **Liquidity and Capital Resources**

Since our inception, our research, advanced engineering and development, and operations have been primarily financed through debt and equity financings, and engineering, government and other research and development contracts. Total cumulative paid-in capital as of June 30, 2013 was \$86,349,444 and \$81,093,292 as of June 30, 2012. We had a cumulative deficit of \$80,932,824 as of June 30, 2013 compared to a cumulative deficit of \$69,053,909 as of June 30, 2012. At June 30, 2013 we had a working capital deficit of \$175,857 compared to June 30, 2012 working capital of \$5,727,309. Our shareholders' equity as of June 30, 2013 and June 30, 2012 was \$3,822,202 and \$10,454,462, respectively.

On March 13, 2013 the Company entered into a common stock purchase agreement (the "Aspire Purchase Agreement") with Aspire Capital Fund, LLC, an Illinois limited liability company, under which Aspire Capital committed for a two year period to purchase up to \$10 million of ZBB Energy common stock based on prevailing market prices over a period preceding each sale, subject to certain terms and conditions.

On March 19, 2013 the Company issued 1,725,490 shares to Aspire Capital in consideration for Aspire Capital's entry into the Aspire Purchase Agreement and Aspire Capital purchased 2,941,176 shares for \$1,000,000 pursuant to the agreement at \$0.34 per share.

On March 25, 2013 and March 26, 2013, Aspire Capital purchased a total of 4,963,600 shares pursuant to the Aspire Purchase Agreement at a price per share of \$0.30 for a total purchase price of \$1,500,000.

Aspire Capital purchased 500,000 shares at a per share price of \$0.30 for a total purchase price of \$151,750 on April 4, 2013; 450,000 shares at a per share price of \$0.3331 for a total purchase price of \$149,895 on April 12, 2013; and 350,000 shares at a per share price of \$0.2919 for a total purchase price of \$102,165 on May 3, 2013.

The Company entered into a revolving and term credit agreement of \$1,140,000 with a bank on April 12, 2013 to finance accounts receivable and inventory related to one specific foreign customer. Under the terms of the agreement, the Company can borrow up to 90% of accounts receivable and 75% of inventory, both for one specific foreign customer to finance accounts receivable and inventory related to one specific foreign customer. The line of credit is guaranteed by the Export-Import Bank of the United States. The interest rate for outstanding balances is prime rate plus 1.5% with a floor of 4.75%. The line of credit is secured by substantially all assets of the Company. Advances under the line of credit are due upon the earlier of payment by the customer or October 12, 2013. The due date was extended to January 1, 2014 on September 27, 2013. Additional advances are not permitted under the revised agreement.

At June 30, 2013, our principal sources of liquidity were our cash and cash equivalents which totaled \$1,156,021, accounts receivable of \$446,925 and the Aspire Purchase Agreement. Through June 30, 2013 the Company had issued a total of \$2,903,810 of shares of common stock under this facility and \$7,096,190 remained available. In accordance with applicable NYSE MKT rules, shareholder approval will be required for the Company to sell in excess of 15,521,706 shares pursuant to the Aspire Purchase Agreement. Through June 30, 2013 the Company had issued a total of 10,930,266 shares pursuant to the Aspire Purchase Agreement and had the ability to sell up to 4,591,440 additional shares under the Aspire Purchase Agreement. The Company has not made any additional sales to Aspire under the Agreement since June 30, 2013. In light of limitations on the Company's ability to continue to effectively use the Aspire Purchase Agreement, including NYSE MKT limitations and SEC registration requirements, the Company has no current plans to sell any additional shares under the agreement.

In June 2012 we completed an underwritten public offering of 31,600,000 shares of common stock at a price to the public of \$0.38 per share for net proceeds of \$10.7 million. In connection with the offering, the Company granted the underwriter warrants to purchase 2,895,303 shares of common stock at an exercise price of \$0.475 per share. These warrants expire on June 13, 2017. The estimated fair value of these warrants was \$1,024,726, as determined using the Black-Scholes methodology (assuming estimated volatility of 100.86%, risk-free interest rate of 0.71%, expected dividend yield of 0.0%). This amount was recorded as both an increase to additional paid-in capital and as a non-cash issuance cost of the financing transaction. During the year ended June 30, 2012 we also sold an additional 11,478,666 shares of common stock in various transactions for net proceeds of \$4.8 million.

In July 2012 the underwriter for the Company's June 2012 underwritten public offering exercised substantially all of its over-allotment option and purchased an additional 4,591,287 shares of the Company's common stock. The net proceeds to the Company from this issuance were \$1.6 million after deducting approximately \$143,000 in offering expenses.

We believe that cash and cash equivalents on hand at June 30, 2013, plus proceeds from a \$3 million preferred equity financing that closed on September 27, 2013, and other potential sources of cash, will be sufficient to fund our current operations through the second quarter of fiscal year 2014 and we will require additional investment capital or other funding to maintain our operations thereafter. Accordingly, the Company is actively exploring various alternatives including strategic partnership transactions that may be available to the Company. We are currently in active discussions with several parties regarding potential strategic partnership and/or license and development transactions. However, we have no binding commitments for any transactions at this time and there can be no assurance that we will consummate any transaction. If we are unable to obtain such needed capital, we may not be able to:

- remain in operation;
- execute our growth plan;
- take advantage of future opportunities; or
- respond to customers and competition.

#### ***Operating Activities***

Our operating activities used net cash of \$10,258,386 for the year ended June 30, 2013. Cash used in operations resulted from a net loss of \$12,452,642 reduced by \$3,155,067 in non-cash adjustments and increased by \$960,811 in net increases in working capital. Non-cash adjustments included \$785,260 of stock-based compensation expense, and \$1,530,473 of depreciation and amortization expense. Net changes in working capital were primarily due to an increase in customer deposits of \$878,953 offset by decreases in accounts payable of \$1,328,097 and accrued expenses of \$467,475.

#### ***Investing Activities***

Our investing activities used net cash of \$137,601 for the year ended June 30, 2013, used for the purchase of property and equipment.

#### ***Financing Activities***

Our financing activities provided net cash of \$3,730,936 for the year ended June 30, 2013. Net cash provided by financing activities was comprised principally of \$4,648,499 in proceeds from the issuance of common stock, less common stock issuance costs of \$177,607. We had repayments of \$1,654,593 of principal on bank loans and notes payable less proceeds of \$938,250 from the issuance of notes payable.

#### ***Off-Balance Sheet Arrangements***

We had no off-balance sheet arrangements as of June 30, 2013.

#### **Item 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

Not applicable for smaller reporting companies.

#### **Item 8. Financial Statements and Supplementary Data**

## INDEX TO FINANCIAL STATEMENTS

### ZBB ENERGY CORPORATION

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Shareholders, Audit Committee and Board of Directors  
ZBB Energy Corporation  
Menomonee Falls, Wisconsin

We have audited the accompanying consolidated balance sheets of ZBB Energy Corporation (the "Company") as of June 30, 2013 and 2012, and the related consolidated statements of operations, comprehensive loss, changes in equity, and cash flows for the years then ended. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of its internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the consolidated financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management as well as evaluating the overall consolidated financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of ZBB Energy Corporation as of June 30, 2013 and 2012 and the results of its operations and cash flows for the years then ended, in conformity with U.S. generally accepted accounting principles.

The accompanying consolidated financial statements have been prepared assuming that the Company will continue as a going concern. As described in Note 3 to the consolidated financial statements, the Company's recurring operating losses, operating cash flow deficits, and accumulated deficit of \$80,932,824 raise substantial doubt about the Company's ability to continue as a going concern. In order to sustain continued operations and meet its obligations, the Company is dependent on the availability of future funding and achieving profitability. Management's plans in regard to these matters are also described in Note 3 to the consolidated financial statements. The consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

/s/ Baker Tilly Virchow Krause, LLP

Milwaukee, Wisconsin

September 30, 2013

**ZBB ENERGY CORPORATION**  
**Consolidated Balance Sheets**

	Year ended June 30,	
	<b>2013</b>	<b>2012</b>
<b>Assets</b>		
Current assets:		
Cash and cash equivalents	\$ 1,096,621	\$ 7,763,217
Restricted cash on deposit	60,000	60,000
Accounts receivable, net	446,925	480,563
Inventories	2,459,776	2,912,207
Prepaid and other current assets	224,542	187,448
Refundable income tax credit	137,228	185,545
<b>Total current assets</b>	<b>4,425,092</b>	<b>11,588,980</b>
Long-term assets:		
Property, plant and equipment, net	5,179,707	5,484,545
Investment in investee company	2,304,122	3,083,889
Intangible assets, net	411,073	1,143,122
Goodwill	803,079	803,079
<b>Total assets</b>	<b>\$ 13,123,073</b>	<b>\$ 22,103,615</b>
<b>Liabilities and Equity</b>		
Current liabilities:		
Bank loans and notes payable	\$ 885,786	\$ 1,022,826
Accounts payable	570,932	1,899,029
Accrued expenses	785,532	1,289,138
Customer deposits	2,194,262	1,315,309
Accrued compensation and benefits	164,437	335,369
<b>Total current liabilities</b>	<b>4,600,949</b>	<b>5,861,671</b>
Long-term liabilities:		
Bank loans and notes payable	2,395,802	2,915,134
<b>Total liabilities</b>	<b>6,996,751</b>	<b>8,776,805</b>
<b>Equity</b>		
Series A preferred stock (\$0.01 par value, \$10,000 face value) 10,000,000 authorized and no shares issued	-	-
Common stock (\$0.01 par value); 150,000,000 authorized, 88,538,801 and 72,977,248 shares issued and outstanding as of June 30, 2013 and 2012, respectively	885,389	729,773
Additional paid-in capital	85,464,055	80,363,519
Accumulated deficit	(80,932,824)	(69,053,909)
Accumulated other comprehensive loss	(1,594,418)	(1,584,921)
<b>Total ZBB Energy Corporation Equity</b>	<b>3,822,202</b>	<b>10,454,462</b>
Noncontrolling interest	2,304,120	2,872,348
<b>Total equity</b>	<b>6,126,322</b>	<b>13,326,810</b>
<b>Total liabilities and equity</b>	<b>\$ 13,123,073</b>	<b>\$ 22,103,615</b>

*See accompanying notes to consolidated financial statements.*

**ZBB ENERGY CORPORATION**  
**Consolidated Statements of Operations**

	Year ended June 30,	
	2013	2012
<b>Revenues</b>		
Product sales	\$ 7,305,516	\$ 2,252,412
Engineering and development	418,183	2,553,156
<b>Total Revenues</b>	<b>7,723,699</b>	<b>4,805,568</b>
<b>Costs and Expenses</b>		
Cost of product sales	6,275,277	2,067,708
Cost of engineering and development	153,762	1,050,572
Advanced engineering and development	5,266,418	6,141,903
Selling, general, and administrative	6,235,508	6,325,520
Depreciation and amortization	1,392,033	1,675,161
<b>Total Costs and Expenses</b>	<b>19,322,998</b>	<b>17,260,864</b>
<b>Loss from Operations</b>	<b>(11,599,299)</b>	<b>(12,455,296)</b>
<b>Other Income (Expense)</b>		
Equity in loss of investee company	(779,768)	(197,618)
Interest income	2,896	13,616
Interest expense	(186,375)	(1,539,160)
Other income (expense)	(45,000)	4,263
<b>Total Other Income (Expense)</b>	<b>(1,008,247)</b>	<b>(1,718,899)</b>
Loss before provision (benefit) for Income Taxes	<b>(12,607,546)</b>	<b>(14,174,195)</b>
Provision (benefit) for Income Taxes	(154,904)	(253,255)
Net loss	(12,452,642)	(13,920,940)
Net loss attributable to noncontrolling interest	573,727	210,714
<b>Net Loss Attributable to ZBB Energy Corporation</b>	<b>\$ (11,878,915)</b>	<b>\$ (13,710,226)</b>
<b>Net Loss per share</b>		
Basic and diluted	<b>(0.15)</b>	<b>(0.37)</b>
<b>Weighted average shares-basic and diluted</b>	<b>80,410,005</b>	<b>37,156,390</b>

*See accompanying notes to consolidated financial statements.*

**ZBB ENERGY CORPORATION**  
**Consolidated Statements of Comprehensive Loss**

	Year ended June 30,	
	2013	2012
Net loss	\$ (12,452,642)	\$ (13,920,940)
Foreign exchange translation adjustments	(9,497)	(12,169)
<b>Comprehensive loss</b>	<b>(12,462,139)</b>	<b>(13,933,109)</b>
Net loss attributable to noncontrolling interest	573,727	210,714
<b>Comprehensive Loss Attributable to ZBB Energy Corporation</b>	<b>\$ (11,888,412)</b>	<b>\$ (13,722,395)</b>

*See accompanying notes to consolidated financial statements.*



**ZBB Energy Corporation**  
**Consolidated Statements of Changes in Equity**

	Preferred Stock		Common Stock		Additional Paid-in Capital	Notes Receivable - Common Stock	Treasury Stock	Accumulated Deficit	Accumulated Other Comprehensive (Loss)	Noncontrolling Interest
	Shares	Amount	Shares	Amount						
<b>Balance: July 1, 2011</b>	355,4678	\$ 3,715,470	29,912,415	\$ 299,124	\$ 60,777,286	\$(3,707,799)	\$(11,136)	\$(55,343,683)	\$ (1,572,752)	
Net loss								(13,710,226)		\$ (210,714)
Net translation adjustment									(12,169)	
Warrants issued in connection with convertible debt					423,672					
Beneficial conversion on convertible debt					418,585					
Issuance of common stock, net of costs and underwriting fees			31,872,169	388,962	14,072,955					
Warrants issued to underwriters					1,024,726					
Issuance of preferred stock, net of issuance costs	219,6602	2,197,240	11,156,497	41,326	2,053,413	(2,187,330)				
Stock-based compensation			50,000	500	1,586,298					
Retirement of treasury shares			(13,833)	(139)	(10,997)		11,136			
Interest on notes receivable - common stock					529,651	(529,651)				
Accretion of dividends on preferred stock		523,379			(523,379)					
Redemption of Preferred Stock	(575,1280)	(6,436,089)			11,309	6,424,780				
Issuance of subsidiary shares to noncontrolling interest										3,083,062
<b>Balance: June 30, 2012</b>	-	-	72,977,248	729,773	80,363,519	-	-	(69,053,909)	(1,584,921)	2,872,348
Net loss								(11,878,915)		(573,727)
Net translation adjustment									(9,497)	
Issuance of common stock, net of costs and underwriting fees			15,561,553	155,616	4,315,276					
Stock-based compensation					785,260					
Issuance of subsidiary shares to noncontrolling interest										5,500

<b>Balance: June</b>										
<b>30, 2013</b>	-	\$	-	88,538,801	\$885,389	\$85,464,055	-	-	\$(80,932,824)	\$ (1,594,418) \$ 2,304,120

*See accompanying notes to consolidated financial statements.*

**ZBB Energy Corporation**  
**Consolidated Statements of Cash Flows**

	Year ended June 30,	
	<u>2013</u>	<u>2012</u>
<b>Cash flows from operating activities</b>		
Net loss	\$ (12,452,642)	\$ (13,920,940)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation of property, plant and equipment	798,424	929,776
Amortization of intangible assets	732,049	745,385
Stock-based compensation	785,260	1,586,798
Equity in loss of investee company	779,768	197,618
Payment of interest with common stock	-	66,500
Amortization of discounts and debt issuance costs on notes payable	14,566	1,069,950
Non-cash expense attributed to accretion of note payable	45,000	-
Changes in assets and liabilities		
Accounts receivable	33,638	(308,941)
Inventories	96,445	(1,326,357)
Prepays and other current assets	(51,660)	(130,986)
Refundable income taxes	48,317	(20,905)
Accounts payable	(1,328,097)	937,808
Accrued compensation and benefits	(170,932)	45,373
Accrued expenses	(467,475)	618,026
Customer deposits	878,953	(213,173)
Net cash used in operating activities	<u>(10,258,386)</u>	<u>(9,724,068)</u>
<b>Cash flows from investing activities</b>		
Expenditures for property and equipment	(137,601)	(1,647,450)
Investment in investee company	-	(3,281,507)
Deposits of restricted cash	-	(60,000)
Net cash used in investing activities	<u>(137,601)</u>	<u>(4,988,957)</u>
<b>Cash flows from financing activities</b>		
Proceeds from issuance of notes payable	938,250	2,465,000
Repayments of bank loans and notes payable	(1,654,593)	(3,243,184)
Notes payable issuance costs	(29,113)	(227,693)
Proceeds from issuance of Series A preferred stock	-	2,197,240
Proceeds from issuance of common stock	4,648,499	17,138,150
Common stock issuance costs	(177,607)	(1,810,598)
Proceeds from noncontrolling interest	5,500	3,083,062
Net cash provided by financing activities	<u>3,730,936</u>	<u>19,601,977</u>
Effect of exchange rate changes on cash and cash equivalents	(1,545)	(36,330)
<b>Net increase (decrease) in cash and cash equivalents</b>	<u>(6,666,596)</u>	<u>4,852,622</u>
<b>Cash and cash equivalents - beginning of period</b>	<u>7,763,217</u>	<u>2,910,595</u>
<b>Cash and cash equivalents - end of period</b>	<u>\$ 1,096,621</u>	<u>\$ 7,763,217</u>
Cash paid for interest	\$ 173,876	\$ 278,610
Cash received from income tax credit	198,309	223,703
Supplemental non-cash investing and financing activities:		
Conversion of debenture notes payable to common stock	\$ -	\$ 1,184,250
Inventory transferred to assets held for lease	355,986	-
Interest deferred and added to principal balance of note payable	44,084	-
Issuance of common stock for discounted notes receivable	-	2,187,330
Issuance of warrants as consideration for equity issuance costs	-	1,024,726
Redemption of preferred stock with notes receivable - common stock	-	6,436,089

*See accompanying notes to consolidated financial statements.*

## ZBB ENERGY CORPORATION

### Notes to Consolidated Financial Statements

June 30, 2013 and 2012

#### NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

##### Description of Business

ZBB Energy Corporation (“ZBB,” “we,” “us,” “our” or the “Company”) develops and manufactures distributed energy storage solutions based upon the Company’s proprietary zinc bromide rechargeable electrical energy storage technology and proprietary power electronics systems. A developer and manufacturer of modular, scalable and environmentally friendly power systems (“ZBB EnerSystem” and related products); ZBB was incorporated in Wisconsin in 1998 and is headquartered in Wisconsin, USA with offices also located in Perth, Western Australia.

The Company provides advanced electrical power management platforms targeted at the growing global need for distributed renewable energy, energy efficiency, power quality, and grid modernization. The Company has developed a portfolio of intelligent power management platforms that directly integrate multiple renewable and conventional onsite generation sources with rechargeable zinc bromide flow batteries and other storage technology. The Company also offers advanced systems to directly connect wind and solar equipment to the grid and systems that can form various levels of micro-grids, hybrid vehicle control systems, and power quality regulation solutions. Together, these platforms provide a wide range of renewable energy system solutions in global markets for utility, governmental, commercial, industrial and residential customers.

The consolidated financial statements include the accounts of the Company and those of its wholly-owned subsidiaries: Tier Electronics LLC which operates manufacturing facilities in Menomonee Falls, Wisconsin; ZBB Energy Pty Ltd. (formerly known as ZBB Technologies, Ltd.) which has an advanced engineering and development facility in Perth, Australia; and its sixty percent owned subsidiary ZBB PowerSav Holdings Limited located in Hong Kong which was formed in connection with the Company’s investment in a China joint venture. A former wholly-owned subsidiary ZBB Technologies, Inc. was merged with and into ZBB on January 1, 2012, and had no effect on the Company’s consolidated financial statements.

##### Basis of Presentation

The accompanying consolidated financial statements include the accounts of the Company and its wholly and majority-owned subsidiaries and have been prepared in accordance with U.S. GAAP. All significant intercompany accounts and transactions have been eliminated upon consolidation.

##### Cash and Cash Equivalents

The Company considers all highly liquid investments with maturities of three months or less to be cash equivalents. The Company maintains its cash deposits in fully insured accounts at financial institutions predominately in the United States, Australia, and Hong Kong. The Company has not experienced any losses in such accounts.

##### Restricted Cash on Deposit

The Company had \$60,000 in restricted cash on deposit as of June 30, 2013 and June 30, 2012, respectively, as collateral for certain credit arrangements.

##### Accounts Receivable

The Company records allowances for doubtful accounts based on customer-specific analysis and general matters such as current assessments of past due balances and economic conditions. The Company writes off accounts receivable against the allowance when they become uncollectible. Accounts receivable are stated net of an allowance for doubtful accounts of \$0 and \$80,000, as of June 30, 2013 and June 30, 2012.

## Inventories

Inventories are stated at the lower of cost or market. Cost is computed using standard cost, which approximates actual cost, on a first-in, first-out basis. The Company provides inventory write-downs based on excess and obsolete inventories determined primarily by future demand forecasts. The write-down is measured as the difference between the cost of the inventory and market based upon assumptions about future demand and charged to the provision for inventory, which is a component of cost of sales. At the point of the loss recognition, a new, lower cost basis for that inventory is established, and subsequent changes in facts and circumstances do not result in the restoration or increase in that newly established cost basis.

## Property, Plant and Equipment

Land, building, equipment, computers and furniture and fixtures are recorded at cost. Maintenance, repairs and betterments are charged to expense as incurred. Depreciation is provided for all plant and equipment on a straight line basis over the estimated useful lives of the assets. The estimated useful lives used for each class of depreciable asset are:

	Estimated Useful Lives
Manufacturing equipment	3 - 7 years
Office equipment	3 - 7 years
Assets held for lease	18 months
Building and improvements	7 - 40 years

The Company completed a review of the estimated useful lives of specific assets during the year ended June 30, 2013 and determined that there were no changes in the estimated useful lives of assets. For the year ended June 30, 2012, the Company determined that as a result of changes in the Company's products and the related production processes, actual lives for certain assets were shorter than the estimated useful lives for depreciation purposes. Therefore, the Company decreased the estimated useful lives of certain equipment. The effect of this change in estimate increased depreciation expense and net loss for the year ended June 30, 2012 by \$319,000, and increased the net loss per share - basic and diluted for the year ended June 30, 2012 by \$.01 per share.

## Investment in Investee Company

Investee companies that are not consolidated, but over which the Company exercises significant influence, are accounted for under the equity method of accounting. Whether or not the Company exercises significant influence with respect to an investee depends on an evaluation of several factors including, among others, representation on the investee company's board of directors and ownership level, which is generally a 20% to 50% interest in the voting securities of the investee company. Under the equity method of accounting, an investee company's accounts are not reported in the Company's consolidated balance sheets and statements of operations; however, the Company's share of the earnings or losses of the investee company is reflected in the caption "Equity in loss of investee company" in the consolidated statements of operations. The Company's carrying value in an equity method investee company is reported in the caption "Investment in investee company" in the Company's consolidated balance sheets.

When the Company's carrying value in an equity method investee company is reduced to zero, no further losses are recorded in the Company's consolidated financial statements unless the Company guaranteed obligations of the investee company or has committed additional funding. When the investee company subsequently reports income, the Company will not record its share of such income until it equals the amount of its share of losses not previously recognized.

## Intangible Assets

Intangible assets generally result from business acquisitions. The Company accounted for the acquisition of substantially all of the net assets of Tier Electronics LLC by assigning the purchase price to identifiable tangible and intangible assets and liabilities. Assets acquired and liabilities assumed were recorded at their estimated fair values. Intangible assets consist of a non-compete agreement, license agreement, and trade secrets.

Amortization is recorded for intangible assets with determinable lives. Intangible assets are amortized using the straight line method over the three year estimated useful lives of the respective assets.

## Goodwill

Goodwill is recognized as the excess cost of an acquired entity over the net amount assigned to assets acquired and liabilities assumed. Goodwill is not amortized but reviewed for impairment annually as of June 30 or more frequently if events or changes in circumstances indicate that its carrying value may be impaired. These conditions could include a significant change in the business climate, legal factors, operating performance indicators, competition, or sale or disposition of a significant portion of a reporting unit.

In September 2011, the Financial Accounting Standards Board ("FASB") issued an Accounting Standards Update ("ASU") to Accounting Standards Codification ("ASC") Topic 350, "Intangibles — Goodwill and Other." This ASU amended the guidance in ASC Topic 350-20 on testing for goodwill impairment. The revised guidance allows entities testing for goodwill impairment to have the option of performing a qualitative assessment before calculating the fair value of the reporting unit. If the Company determines, on the basis of qualitative factors, that it is more likely than not that the fair value of the reporting unit is less than the carrying amount, the two-step impairment test is required. If we cannot determine on the basis of qualitative factors that goodwill is not impaired, or if we choose to bypass the qualitative assessment, the two-step impairment test is required.

The first step of the impairment test requires the comparing of a reporting unit's fair value to its carrying value. If the carrying value is less than the fair value, no impairment exists and the second step is not performed. If the carrying value is higher than the fair value, there is an indication that impairment may exist and the second step must be performed to compute the amount of the impairment. In the second step, the impairment is computed by estimating the fair values of all recognized and unrecognized assets and liabilities of the reporting unit and comparing the implied fair value of reporting unit goodwill with the carrying amount of that unit's goodwill. The Company determined fair value as evidenced by market capitalization, and concluded that there was no need for an impairment charge as of June 30, 2013 and June 30, 2012.

The ASU does not change how goodwill is calculated or assigned to reporting units, nor does it revise the requirement to test annually for impairment. The ASU is limited to goodwill and does not amend the annual requirement for testing other indefinite-lived intangible assets for impairment. We adopted this ASU as of our 2012 goodwill impairment testing. The ASU did not have any impact on our consolidated financial statements or the resulting impairment testing for the fiscal years ended 2013 and 2012.

## Impairment of Long-Lived Assets

In accordance with FASB ASC Topic 360, "Impairment or Disposal of Long-Lived Assets," the Company assesses potential impairments to its long-lived assets including property, plant and equipment and intangible assets when there is evidence that events or changes in circumstances indicate that the carrying value may not be recoverable.

If such an indication exists, the recoverable amount of the asset is compared to the asset's carrying value. Any excess of the asset's carrying value over its recoverable amount is expensed in the statement of operations. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate. Management has determined that there were no long-lived assets impaired as of June 30, 2013 and June 30, 2012, respectively (see Note 5).

## Warranty Obligations

The Company typically warrants its products for twelve months after installation or eighteen months after date of shipment, whichever first occurs. Warranty costs are provided for estimated claims and charged to cost of product sales as revenue is recognized. Warranty obligations are also evaluated quarterly to determine a reasonable estimate for the replacement of potentially defective materials of all energy storage systems that have been shipped to customers.

While the Company actively engages in monitoring and improving its evolving battery and production technologies, there is only a limited product history and relatively short time frame available to test and evaluate the rate of product failure. Should actual product failure rates differ from the Company's estimates, revisions are made to the estimated rate of product failures and resulting changes to the liability for warranty obligations. In addition, from time to time, specific warranty accruals may be made if unforeseen technical problems arise.

As of June 30, 2013 and June 30, 2012, included in the Company's accrued expenses were \$479,873 and \$418,557 respectively, related to warranty obligations. Such amounts are included in accrued expenses in the accompanying consolidated balance sheets.

The following is a summary of accrued warranty activity:

	Year Ended June 30,	
	2013	2012
Beginning balance	\$ 418,557	\$ 413,203
Accruals for warranties during the period	404,096	196,753
Settlements during the period	(95,543)	(126,902)
Adjustments relating to preexisting warranties	(247,237)	(64,497)
Ending balance	<u>\$ 479,873</u>	<u>\$ 418,557</u>

### Revenue Recognition

Revenues are recognized when persuasive evidence of a contractual arrangement exists, delivery has occurred or services have been rendered, the seller's price to buyer is fixed and determinable, and collectability is reasonably assured. The portion of revenue related to installation and final acceptance, is deferred until such installation and final customer acceptance are completed.

For sales arrangements containing multiple elements (products or services), revenue relating to undelivered elements is deferred at the estimated fair value until delivery of the deferred elements. To be considered a separate element, the product or service in question must represent a separate unit under SEC Staff Accounting Bulletin 104, and fulfill the following criteria: the delivered item(s) has value to the customer on a standalone basis; there is objective and reliable evidence of the fair value of the undelivered item(s); and if the arrangement includes a general right of return relative to the delivered item(s), delivery or performance of the undelivered item(s) is considered probable and substantially in our control. If the arrangement does not meet all criteria above, the entire amount of the transaction is deferred until all elements are delivered. Revenue from time and materials based service arrangements is recognized as the service is performed.

The portion of revenue related to engineering and development is recognized ratably upon delivery of the goods or services pertaining to the underlying contractual arrangement or revenue is recognized as certain activities are performed by the Company over the estimated performance period.

The Company charges shipping and handling fees when products are shipped or delivered to a customer, and includes such amounts in net revenues. The Company reports its revenues net of estimated returns and allowances.

Revenues from government funded research and development contracts are recognized proportionally as costs are incurred and compared to the estimated total research and development costs for each contract. In many cases, the Company is reimbursed only a portion of the costs incurred or to be incurred on the contract. Government funded research and development contracts are generally multi-year, cost-reimbursement and/or cost-share type contracts. The Company is generally reimbursed for reasonable and allocable costs up to the reimbursement limits set by the contract.

Total revenues of \$7,723,699 and \$4,805,568 were recognized for the years ended June 30, 2013 and June 30, 2012, respectively, and were comprised of four significant customers (20%, 15%, 15% and 13% of total revenues) and two significant customers for 2012 (59% and 17% of total revenues). The Company had two significant customers with outstanding accounts receivable balances \$148,479 and \$146,200 (33% and 33% of accounts receivable, net) and one significant customer with an outstanding accounts receivable balance of \$146,702 (31% of accounts receivable, net) at June 30, 2013 and June 30, 2012, respectively.

### Engineering and Development Revenues

On April 8, 2011, the Company entered into a Collaboration Agreement (the "Collaboration Agreement") with Honam Petrochemical Corporation ("Honam"), a division of LOTTE Petrochemical, pursuant to which the Company agreed with Honam to collaborate on the further technical development of the Company's third generation zinc bromide flow battery module (the "Version 3 Battery Module"). Pursuant to the Collaboration Agreement, Honam was required to pay the Company a total of \$3,000,000 as follows: (1) \$1,000,000 within 10 days following the execution of the Collaboration Agreement (subsequently received on April 9, 2011); (2) \$500,000 by June 30, 2011 (subsequently received on June 30, 2011); (3) \$1,200,000 by October 10, 2011 (subsequently received on October 10, 2011) and (4) \$300,000 within 10 days after a single Version 3 Battery Module test station is set up at Honam's research and development center (subsequently received on March 30, 2012). The Company had recognized \$3,000,000 as revenue as of June 30, 2012 based on performance milestones achieved. Pursuant to the Collaboration Agreement, the parties were required to negotiate a license agreement under which upon the completion of the collaboration project and the receipt by the Company of all payments due under the Collaboration Agreement, the Company granted to Honam: (1) a fully paid-up, exclusive and royalty-free license to sell and manufacture the Version 3 Battery Module in Korea and (2) non-exclusive rights to sell the Version 3 Battery Module in Japan, Thailand, Taiwan, Malaysia, Vietnam and Singapore. In connection with such non-exclusive rights, Honam is required to pay us a royalty.

On December 13, 2011, the Company entered into a joint development and license agreement with a global technology company to jointly develop flow batteries. The objective of the joint development agreement is to develop low cost, high energy density grid scale flow battery stacks and systems that could lead to a significant cost reduction for grid level storage. Under the terms of the joint development agreement, the Company was to receive \$175,000 in December 2011 (subsequently received \$175,000 in December 2011), payments of \$75,000 every three months starting April 2012 through January 2013 (subsequently received \$75,000 during April, June, and October of 2012) and \$100,000 every three months starting in January 2013 through October 2013 (subsequently received \$200,000 as of April 2013). The global technology company also purchased 933,333 shares of the Company's common stock in December 2011 for \$700,000. The Company recognizes revenue under this agreement upon achievement of certain performance milestones. The Company recognized \$400,000 and \$200,000 of revenue under this agreement in the years ended June 30, 2013 and June 30, 2012, respectively.

Milestone payments under collaborative arrangements are triggered by the results of the Company's engineering and development efforts. Milestones related to the Company's development-based activities may include initiation of various phases of engineering and development activities, successful completion of a phase of development, or delivery of specified equipment or products. Due to the uncertainty involved in meeting these development-based milestones, the development-based milestones are considered to be substantial (i.e. not just achieved through passage of time) at the inception of the collaboration agreement. In addition, the amounts of the payments assigned thereto are considered to be commensurate with the enhancement of the value of the delivered intellectual property as a result of our performance. The Company's involvement is necessary to the achievement of development-based milestones. The Company accounts for development-based milestones as revenue upon achievement of the substantive milestone events. In addition, upon the achievement of development-based milestone events, the Company has no future performance obligations related to any milestone payments.

Included in engineering and development revenues were \$400,000 and \$2,500,000, respectively, for the years ended June 30, 2013 and June 30, 2012 related to the collaborative agreements. Engineering and development costs related to the collaboration agreements totaled \$153,762 and \$1,050,572 for the years ended June 30, 2013 and June 30, 2012.

As of June 30, 2013 and June 30, 2012, the Company had no unbilled amounts from engineering and development contracts in process. The Company had received \$45,300 and \$129,950 in customer payments for engineering and development contracts, representing deposits in advance of performance of the contracted work, as of June 30, 2013 and June 30, 2012, respectively.

#### **Advanced Engineering and Development Expenses**

The Company expenses advanced engineering and development costs as incurred. These costs consist primarily of labor, overhead, and materials to build prototype units, materials for testing, development of manufacturing processes and include consulting fees and other costs.

To the extent these costs are separately identifiable, incurred and funded by advanced engineering and development type agreements with outside parties, they are shown separately on the consolidated statements of operations as a "cost of engineering and development."

#### **Stock-Based Compensation**

The Company measures all "Share-Based Payments," including grants of stock options, restricted shares and restricted stock units to be recognized in its consolidated statement of operations based on their fair values on the grant date, which is consistent with FASB ASC Topic 718, "Stock Compensation," guidelines.

Accordingly, the Company measures share-based compensation cost for all share-based awards at the fair value on the grant date and recognition of share-based compensation over the service period for awards that are expected to vest. The fair value of stock options is determined based on the number of shares granted and the price of the shares at grant, and calculated based on the Black-Scholes valuation model.

The Company compensates its outside directors primarily with restricted stock units ("RSUs") rather than cash. The grant date fair value of the restricted stock unit awards is determined using the closing stock price of the Company's common stock on the day prior to the date of the grant, with the compensation expense amortized over the vesting period of restricted stock unit awards, net of estimated forfeitures.

The Company only recognizes expense to its statements of operations for those options or shares that are expected ultimately to vest, using two attribution methods to record expense, the straight-line method for grants with only service-based vesting or the graded-vesting method, which considers each performance period, for all other awards. See Note 9.



## Income Taxes

The Company records deferred income taxes in accordance with FASB ASC Topic 740, "Accounting for Income Taxes." This ASC Topic requires recognition of deferred income tax assets and liabilities for temporary differences between the tax basis of assets and liabilities and the amounts at which they are carried in the financial statements, based upon the enacted tax rates in effect for the year in which the differences are expected to reverse. The Company establishes a valuation allowance when necessary to reduce deferred income tax assets to the amount expected to be realized. There were no net deferred income tax assets recorded as of June 30, 2013 and June 30, 2012.

The Company applies a more-likely-than-not recognition threshold for all tax uncertainties as required under FASB ASC Topic 740, which only allows the recognition of those tax benefits that have a greater than fifty percent likelihood of being sustained upon examination by the taxing authorities.

The Company's U.S. Federal income tax returns for the years ended June 30, 2010 through June 30, 2013 and the Company's Wisconsin and Australian income tax returns for the years ended June 30, 2010 through June 30, 2013 are subject to examination by taxing authorities.

## Foreign Currency

The Company uses the United States dollar as its functional and reporting currency, while the Australian dollar and Hong Kong dollar are the functional currencies of its foreign subsidiaries. Assets and liabilities of the Company's foreign subsidiaries are translated into United States dollars at exchange rates that are in effect at the balance sheet date while equity accounts are translated at historical exchange rates. Income and expense items are translated at average exchange rates which were applicable during the reporting period. Translation adjustments are accumulated in accumulated other comprehensive loss as a separate component of equity in the consolidated balance sheets.

## Loss per Share

The Company follows the FASB ASC Topic 260, "Earnings per Share," provisions which require the reporting of both basic and diluted earnings (loss) per share. Basic earnings (loss) per share is computed by dividing net income (loss) available to common stockholders by the weighted average number of common shares outstanding for the period. Diluted earnings (net loss) per share reflect the potential dilution that could occur if securities or other contracts to issue common stock were exercised or converted into common stock. In accordance with the FASB ASC Topic 260, any anti-dilutive effects on net income (loss) per share are excluded. For the years ended June 30, 2013 and June 30, 2012 there were 16,693,879 and 13,690,030 shares of common stock underlying options, restricted stock units and warrants that are excluded, respectively.

## Concentrations of Credit Risk and Fair Value

Financial instruments that potentially subject the Company to concentrations of credit risk consist principally of cash and accounts receivable.

The Company maintains significant cash deposits primarily with three financial institutions. All deposits are fully insured as of June 30, 2013. The Company has not previously experienced any losses on such deposits. Additionally, the Company performs periodic evaluations of the relative credit ratings of these institutions as part of its banking strategy.

Concentrations of credit risk with respect to accounts receivable are limited due to accelerated payment terms in current customer contracts and creditworthiness of the current customer base.

The carrying amounts of cash and cash equivalents, accounts receivable, other current assets, accounts payable and accrued expenses approximate fair value due to the short-term nature of these instruments. The carrying value of bank loans and notes payable approximate fair value based on their terms which reflect market conditions existing as of June 30, 2013 and June 30, 2012.

## Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions. These estimates and assumptions affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amount of revenues and expenses during the reporting period. It is reasonably possible that the estimates we have made may change in the near future. Significant estimates underlying the accompanying consolidated financial statements include those related to:

- the timing of revenue recognition;
- the allowance for doubtful accounts;
- provisions for excess and obsolete inventory;
- the lives and recoverability of property, plant and equipment and other long-lived assets, including goodwill and other intangible assets;
- contract costs and reserves;
- warranty obligations;
  
- income tax valuation allowances;
- stock-based compensation; and
- valuation of warrants

## Reclassifications

Certain amounts previously reported have been reclassified to conform to the current presentation.

## Segment Information

The Company has determined that it operates as one reportable segment.

## Recent Accounting Pronouncements

From time to time, new accounting pronouncements are issued by the Financial Accounting Standards Board ("FASB") or other standard setting bodies that are adopted by the Company as of the specified effective date. Unless otherwise discussed, the Company believes that the impact of recently issued standards that are not yet effective will not have a material impact on our financial position or results of operations upon adoption.

In July 2013, the FASB issued ASU 2013-11 – Presentation of an Unrecognized Tax Benefit When a Net Operating Loss Carryforward, a Similar Tax Loss, or a Tax Credit Carryforward Exists, which requires an unrecognized tax benefit to be presented in the financial statements as a reduction to a deferred tax asset for a net operating loss carryforward, similar tax loss, or a tax credit carryforward. To the extent the tax benefit is not available at the reporting date under the governing tax law or if the entity does not intend to use the deferred tax asset for such purpose, the unrecognized tax benefit should be presented as a liability and not combined with deferred tax assets. ASU 2013-11 is effective for annual periods, and interim periods within those years, beginning after December 15, 2013. The amendments are to be applied to all unrecognized tax benefits that exist as of the effective date and may be applied retrospectively to each prior reporting period presented. The Company expects no material impact to its financial statements as a result of adopting this provision.

In April 2013, the FASB issued ASU 2013-07 – Presentation of Financial Statements (Topic 205) – Liquidation Basis of Accounting. The amendments require an entity to prepare its financial statements using the liquidation basis of accounting when liquidation is imminent. Liquidation is imminent when the likelihood is remote that the entity will return from liquidation and either (a) a plan for liquidation is approved by the person or persons with the authority to make such a plan effective and the likelihood is remote that the execution of the plan will be blocked by other parties or (b) a plan for liquidation is being imposed by other forces (for example, involuntary bankruptcy). If a plan for liquidation was specified in the entity's governing documents from the entity's inception (for example, limited-life entities), the entity should apply the liquidation basis of accounting only if the approved plan for liquidation differs from the plan for liquidation that was specified at the entity's inception. The amendments require financial statements prepared using the liquidation basis of accounting to present relevant information about an entity's expected resources in liquidation by measuring and presenting assets at the amount of the expected cash proceeds from liquidation. The entity should include in its presentation of assets any items it had not previously recognized under U.S. GAAP but that it expects to either sell in liquidation or use in settling liabilities (for example, trademarks). The amendments are effective for entities that determine liquidation is imminent during annual reporting periods beginning after December 15, 2013, and interim reporting periods therein. Entities should apply the requirements prospectively from the day that liquidation becomes imminent. Early adoption is permitted. The adoption is not expected to have an impact on the Company's consolidated financial statements in its present condition.

In March 2013, the FASB issued ASU 2013-05 – Foreign Currency Matters (Topic 830) – Parent's Accounting for the Cumulative Translation Adjustment upon Derecognition of Certain Subsidiaries or Group of Assets within a Foreign Entity or of an Investment in a Foreign Entity. These amendments provide guidance on releasing cumulative translation adjustments when a reporting entity (parent) ceases to have a controlling financial interest in a subsidiary or a group of assets that is a non-profit activity or a business within a foreign entity. In addition, these amendments provide guidance on the release of cumulative translation adjustments in partial sales of equity method investments and in step acquisitions. The amendments are effective for fiscal years and interim reporting periods within those years, beginning after December 15, 2013. The amendments should be applied prospectively to derecognition events occurring after the effective date. Prior periods should not be adjusted. Early adoption is permitted. If an entity elects to early adopt the amendments, it should apply them as of the beginning of the entity's fiscal year of adoption. The Company is required to adopt this standard beginning July 1, 2014. The Company does not anticipate these changes to have an impact on its consolidated financial statements.

In February 2013, the FASB issued ASU 2013-04 – Liabilities (Topic 405) – Obligations Resulting from Joint and Several Liability Arrangements for Which the Total Amount of the Obligation is Fixed at the Reporting Date. These amendments provide guidance for the recognition, measurement, and disclosure of obligations resulting from joint and several liability arrangements for which the total amount of the obligation within the scope of this guidance is fixed at the reporting date, except for obligations addressed within existing guidance in U.S. GAAP. Examples of obligations within this guidance are debt arrangements, other contractual obligations, and settled litigation and judicial rulings. The amendments are effective for fiscal years, and interim periods within those years, beginning after December 15, 2013. These amendments shall be applied retrospectively to all prior periods presented for those obligations within the scope of this Subtopic that exist at the beginning of an entity's fiscal year of adoption. Early adoption is permitted. The adoption of these amendments is not expected to have a material effect on the Company's consolidated financial statements.

In February 2013, the FASB issued ASU No. 2013-02 — Comprehensive Income (Topic 220) — Reporting of Amounts Reclassified Out of Accumulated Other Comprehensive Income. The amendments do not change the current requirements for reporting net income or other comprehensive income in financial statements. However, the amendments require an entity to provide information about the amounts reclassified out of accumulated other comprehensive income by component. In addition, an entity is required to present, either on the face of the statement where net income is presented or in the notes, significant amounts reclassified out of accumulated other comprehensive income by the respective line items of net income but only if the amount reclassified is required under U.S. GAAP to be reclassified to net income in its entirety in the same reporting period. For other amounts that are not required under U.S. GAAP to be reclassified in their entirety to net income, an entity is required to cross-reference to other disclosures required under U.S. GAAP that provide additional detail about those amounts. This guidance is effective prospectively for reporting periods beginning after December 15, 2012. The Company adopted this guidance in the third quarter of fiscal year 2013. This new guidance did not impact the Company's presentation, financial position, and results of operations.

In July 2012, the FASB issued ASC update No. 2012-02 - Intangibles-Goodwill and Other (Topic 350), Testing Indefinite-Lived Intangible Assets for Impairment ("ASC 2012-02"). Under the amendments in this update, a company has the option first to assess qualitative factors to determine whether the existence of events and circumstances indicates that it is more likely than not that the indefinite-lived intangible asset is impaired as a basis for determining whether it is necessary to perform the quantitative impairment test in accordance with Topic 350. The more-likely-than-not threshold is defined as having a likelihood of more than 50 percent. If after assessing the qualitative factors, a company determines it does not meet the more-likely-than-not threshold, a company is required to perform the quantitative impairment test by calculating the fair value of an indefinite-lived intangible asset and comparing the fair value with the carrying amount of the asset. The amendments in this update were effective for annual and interim impairment test performed for fiscal years beginning after September 15, 2012 (early adoption permitted). The Company adopted this guidance in the second quarter of fiscal year 2013. The adoption of this update had no impact on its financial statements. In September 2011, the FASB issued an update to ASC Topic 350, "Intangibles — Goodwill and Other." This ASU amended the guidance in ASC Topic 350-20 on testing for goodwill impairment. The revised guidance allows entities testing for goodwill impairment to have the option of performing a qualitative assessment before calculating the fair value of the reporting unit. The ASU did not change how goodwill is calculated or assigned to reporting units, nor did it revise the requirement to test annually for impairment. The ASU was limited to goodwill and did not amend the annual requirement for testing other indefinite-lived intangible assets for impairment. We adopted this ASU as of our 2012 goodwill impairment testing. The adoption of this ASU did not impact our consolidated financial statements

In June 2011, the FASB issued new accounting guidance related to the presentation of comprehensive income (loss) that eliminated the current option to report other comprehensive income (loss) and its components in the statement of changes in equity. We elected to present items of net income (loss) and other comprehensive income (loss) in two consecutive statements. This guidance was adopted and effective for our interim reporting period ended September 30, 2012.

## **NOTE 2 – CHINA JOINT VENTURE**

On August 30, 2011, the Company entered into agreements providing for establishment of a joint venture to develop, produce, sell, distribute and service advanced storage batteries and power electronics in China (the "Joint Venture"). Joint venture partners include ZBB PowerSav Holdings Limited ("Holdco"), AnHui Xinlong Electrical Co. and Wuhu Huarui Power Transmission and Transformation Engineering Co. The Joint Venture was established upon receipt of certain governmental approvals from China which were received in November 2011.

The Joint Venture operates through a jointly-owned Chinese company located in Wuhu City, Anhui Province named Anhui Meineng Store Energy Co., Ltd. ("AHMN"). AHMN intends to initially assemble and ultimately manufacture the Company's products for sale in the power management industry on an exclusive basis in mainland China and on a non-exclusive basis in Hong Kong and Taiwan.

In connection with the Joint Venture, on August 30, 2011 the Company and certain of its subsidiaries entered into the following agreements:

- Joint Venture Agreement of Anhui Meineng Store Energy Co., Ltd. (the “China JV Agreement”) by and between ZBB PowerSav Holdings Limited, a Hong Kong limited liability company (“Holdco”), and Anhui Xinrui Investment Co., Ltd, a Chinese limited liability company; and
- Limited Liability Company Agreement of ZBB PowerSav Holdings Limited by and between ZBB Cayman Corporation and PowerSav New Energy Holdings Limited (the “Holdco Agreement”).

In connection with the Joint Venture, upon establishment of AHMN, the Company and certain of its subsidiaries entered into the following agreements:

- Management Services Agreement by and between AHMN and Holdco (the “Management Services Agreement”);
- License Agreement by and between Holdco and AHMN (the “License Agreement”); and
- Research and Development Agreement by and between the Company and AHMN (the “Research and Development Agreement”).

Pursuant to the China JV Agreement, AHMN was capitalized with approximately \$13.6 million of equity capital. The Company’s only capital contributions to the Joint Venture were the contribution of technology to AHMN via the License Agreement and \$200,000 in cash. The Company’s indirect interest in AHMN equals approximately 33%.

The Company’s investment in AHMN was made through Holdco. Pursuant to the Holdco Agreement, the Company contributed to Holdco technology via a license agreement with an agreed upon value of approximately \$4.1 million and \$200,000 in cash in exchange for a 60% equity interest and PowerSav agreed to contribute to Holdco \$3.3 million in cash in exchange for a 40% equity interest. The initial capital contributions (consisting of the Company’s technology contribution and one half of required cash contributions) were made in December 2011. The subsequent capital contributions (consisting of one half of the required cash contribution) were made on May 16, 2012. For financial reporting purposes, Holdco’s assets and liabilities are consolidated with those of the Company and PowerSav’s 40% interest in Holdco is included in the Company’s consolidated financial statements as a noncontrolling interest. For the years ended June 30, 2013 and June 30, 2012, AHMN had a net loss of \$2,649,763 and \$973,189, respectively.

The Company’s basis in the technology contributed to Holdco is \$0 due to U.S. GAAP requirements related to research and development expenditures. The difference of approximately \$4.1 million in the Company’s basis in this technology and the valuation of the technology by AHMN is accounted for by the Company through the elimination of the amortization expense recognized by AHMN related to the technology.

The Company has the right to appoint a majority of the members of the Board of Directors of Hong Kong Holdco and Hong Kong Holdco has the right to appoint a majority of the members of the Board of Directors of AHMN.

Pursuant to the Management Services Agreement Holdco will provide certain management services to AHMN in exchange for a management services fee equal to five percent of AHMN’s net sales for the first five years and three percent of AHMN’s net sales for the subsequent three years.

Pursuant to the License Agreement, Holdco granted to AHMN (1) an exclusive royalty-free license to manufacture and distribute the Company’s ZBB EnerStore, zinc bromide flow battery, version three (V3) (50KW) and ZBB EnerSection, power and energy control center (up to 250KW) (the “Products”) in mainland China in the power supply management industry and (2) a non-exclusive royalty-free license to manufacture and distribute the Products in Hong Kong and Taiwan in the power supply management industry.

Pursuant to the Research and Development Agreement, AHMN may request the Company to provide research and development services upon commercially reasonable terms and conditions. AHMN would pay the Company’s fully-loaded costs and expenses incurred in providing such services.

The Company had product sales of \$987,621 and \$694,662 to AHMN during the years ended June 30, 2013 and June 30, 2012, respectively.

The operating results for AHMN for the year ended June 30, 2013 and the eight month period ended June 30, 2012 are summarized as follows:

	Year Ended June 30, 2013	Eight Months Ended June 30, 2012
Revenues	\$ -	\$ -
Gross Profit	-	-
Income (loss) from operations	(2,615,055)	(992,512)
Net Income (loss)	\$ (2,649,763)	\$ (973,189)

### NOTE 3 – GOING CONCERN

The accompanying consolidated financial statements have been prepared on the basis of a going concern which contemplates that the Company will be able to realize assets and discharge its liabilities in the normal course of business. Accordingly, they do not give effect to any adjustments that would be necessary should the Company be required to liquidate its assets. The Company incurred a net loss of \$11,878,915 attributable to ZBB Energy Corporation for the year ended June 30, 2013 and as of June 30, 2013 has an accumulated deficit of \$80,932,824 and total ZBB Energy Corporation equity of \$3,822,202. The ability of the Company to settle its total liabilities of \$6,996,751 and to continue as a going concern is dependent upon obtaining additional financing, closing additional sales orders and achieving profitability. The accompanying consolidated financial statements do not include any adjustments that might result from the outcome of these uncertainties.

We believe that cash and cash equivalents on hand at June 30, 2013 plus proceeds from a \$3 million preferred equity financing that closed on September 27, 2013 (Note 15), and other potential sources of cash, will be sufficient to fund our current operations through the second quarter of fiscal year 2014 and we will require additional investment capital or other funding to maintain our operations thereafter. Accordingly, the Company is actively exploring various alternatives including strategic partnership transactions that may be available to the Company. We are currently in active discussions with several parties regarding potential strategic partnership and/or license and development transactions. If the Company is unable to obtain additional required funding, the Company's financial condition and results of operations may be materially adversely affected and the Company may not be able to continue operations.

### NOTE 4 – INVENTORIES

Inventories are comprised of the following as of June 30, 2013 and June 30, 2012:

	June 30, 2013	June 30, 2012
Raw materials	\$ 1,181,557	\$ 2,396,545
Work in progress	1,278,219	515,662
Total	<u>\$ 2,459,776</u>	<u>\$ 2,912,207</u>

### NOTE 5 – PROPERTY, PLANT & EQUIPMENT

Property, plant, and equipment are comprised of the following as of June 30, 2013 and June 30, 2012:

	June 30, 2013	June 30, 2012
Land	\$ 217,000	\$ 217,000
Building and improvements	3,520,872	3,520,872
Manufacturing equipment	3,819,533	4,597,020
Office equipment	403,541	313,928
Assets held for lease	355,986	-
Construction in process	24,300	31,050
Total, at cost	<u>8,341,232</u>	<u>8,679,870</u>
Less, accumulated depreciation	<u>(3,161,525)</u>	<u>(3,195,325)</u>
Property, Plant & Equipment, Net	<u>\$ 5,179,707</u>	<u>\$ 5,484,545</u>

**NOTE 6 – INTANGIBLE ASSETS**

Intangible assets are comprised of the following as of June 30, 2013 and June 30, 2012:

	<u>June 30, 2013</u>	<u>June 30, 2012</u>
Non-compete agreement	\$ 310,888	\$ 310,888
License agreement	288,087	288,087
Trade secrets	<u>1,599,122</u>	<u>1,599,122</u>
Total, at cost	2,198,097	2,198,097
Less, accumulated amortization	<u>(1,787,024)</u>	<u>(1,054,975)</u>
Intangible Assets, Net	<u>\$ 411,073</u>	<u>\$ 1,143,122</u>

Estimated amortization expense for fiscal period ending June 30, 2014 is \$411,073.

**NOTE 7 – GOODWILL**

The Company acquired ZBB Technologies, Inc., a former wholly-owned subsidiary, through a series of transactions in March 1996. ZBB Technologies Inc. was subsequently merged with and into ZBB Energy Corporation on January 1, 2012. The goodwill amount of \$1.134 million, the difference between the price paid for ZBB Technologies, Inc. and the net assets of the acquisition, amortized through fiscal 2002, resulted in the net goodwill amount of \$803,079 as of June 30, 2013 and June 30, 2012.

**NOTE 8 – BANK LOANS AND NOTES PAYABLE**

The Company's debt consisted of the following as of June 30, 2013 and June 30, 2012:

	<u>June 30, 2013</u>	<u>June 30, 2012</u>
Bank loans and notes payable-current	\$ 885,786	\$ 1,022,826
Bank loans and notes payable-long term	2,395,802	2,915,134
Total	<u>\$ 3,281,588</u>	<u>\$ 3,937,960</u>

Bank loans and notes payable consisted of the following at June 30, 2013 and June 30, 2012:

	<u>June 30, 2013</u>	<u>June 30, 2012</u>
Bank loan payable of principal and interest at a rate equal to prime plus 1.50%, as defined, subject to a floor of 4.75% with any principal due at maturity on January 1, 2014; collateralized by accounts receivable and inventory related to a specific customer contract and no further advances.	\$ 213,750	\$ -
Note payable to the seller of Tier Electronics LLC payable in annual installments of \$450,000 on January 21, 2013 and \$495,000 on January 21, 2014. Interest accrues at a rate of 8% and is payable monthly. The promissory note is collateralized by the Company's membership interest in its wholly-owned subsidiary Tier Electronics LLC. See note (a) below.	495,000	900,000
Note payable to Wisconsin Department of Commerce payable in monthly installments of \$23,685, including interest at 2%, with the final payment due May 1, 2018; collateralized by equipment purchased with the loan proceeds and substantially all assets of the Company not otherwise collateralized. The Company is required to maintain and increase a specified number of employees, and the interest rate is increased in certain cases for failure to meet this requirement. See note (b) below.	1,136,195	1,279,367
Bank loan payable in fixed monthly payments of \$6,800 of principal and interest at a rate of .25% below prime, as defined, subject to a floor of 5% as of June 30, 2013 and 2012 with any principal due at maturity on June 1, 2018; collateralized by the building and land.	673,339	719,528
Note payable in fixed monthly installments of \$6,716 of principal and interest at a rate of 5.5% with any principal due at maturity on May 1, 2028; collateralized by the building and land.	734,227	764,981
Bank loan payable in monthly installments of \$21,000 of principal and interest at a rate equal to prime, as defined, subject to a floor of 4.25% with any principal due at maturity on December 1, 2013; collateralized by specific equipment.	29,076	274,084
	<u>\$ 3,281,588</u>	<u>\$ 3,937,960</u>

(a) If the federal capital gains tax rate exceeds 15% and or the State of Wisconsin capital gains tax rate exceeds 5.425% at any time prior to the payment in full of the unpaid principal balance and accrued interest on the promissory note, then the principal amount of the promissory note shall be retroactively increased by an amount equal to the product of (a) the aggregate amount of federal and state capital gain realized by the Seller or Seller's sole member, as applicable, in connection with the acquisition, multiplied by (b) the difference between (i) the combined federal and State of Wisconsin capital gains tax rate as of the date of calculation, minus (ii) the combined federal and State of Wisconsin capital gains tax rate of 20.425% as of January 21, 2011. Any adjustment to the principal amount of the promissory note shall be effected by increasing the amount of the last payment due under the promissory note without affecting the next regularly scheduled payment(s) under the promissory note. On January 2, 2013, the American Taxpayer Relief Act of 2012 was signed, effectively raising the top rate for capital gains to 20%. The Company recorded an additional \$45,000 of principal due under this note as other expense, of \$45,000 for the year ended June 30, 2013.

(b) As of April 2013, the Wisconsin Department of Commerce granted the Company a 12 month deferral of the required installment payments of \$22,800. On March 1, 2014, fifty equal monthly installments of \$23,685 will commence through April 1, 2018 with the final installment due on May 1, 2018.

In May 2012, the Company entered into Securities Purchase Agreements with certain investors providing for the sale of a total of \$2,465,000 of Zero Coupon Convertible Subordinated Notes (the "Notes"). The Notes, which were to mature on August 31, 2012, were issued to investors with a principal amount equal to the investor's subscription amount times 110% and did not bear interest except in the instance of default. The Notes were convertible into shares of common stock of the Company at an exercise price equal to \$0.53, which was the closing price of the common stock on May 1, 2012 (the "Conversion Price"). In connection with the Notes, the Company entered into a security agreement with the lenders providing for a security interest in all of the assets of the Company and certain subsidiaries of the Company. In connection with the purchase of Notes, each investor received a five-year warrant to purchase a number of shares of Common Stock equal to 55% times such investor's investment in the Notes divided by the Conversion Price at an exercise price equal to the Conversion Price. Certain directors and officers of the Company invested \$330,000 in the Notes. The proceeds to the Company were approximately \$2,223,307. The Company recorded financing costs of approximately \$227,693 in connection with the issuance of the Notes as interest expense. As of June 30, 2012 the Notes were either converted into the Company's stock or paid in full. Interest expense related to the Notes was \$1,366,450 for the year ended June 30, 2012.

Maximum aggregate annual principal payments for fiscal periods subsequent to June 30, 2013 are as follows:

2014	\$	885,786
2015		351,166
2016		361,085
2017		371,428
2018		358,411
2019 and thereafter		953,712
	\$	<u>3,281,588</u>

#### NOTE 9 – EMPLOYEE/DIRECTOR EQUITY INCENTIVE PLANS

During the years ended June 30, 2013 and June 30, 2012, the Company's results of operations include compensation expense for stock options granted and restricted shares vested under its various equity incentive plans. The amount recognized in the financial statements related to stock-based compensation was \$785,260 and \$1,586,798, based on the amortized grant date fair value of options and vesting of restricted shares during the years ended June 30, 2013 and June 30, 2012, respectively.

At the annual of meeting of shareholders held on November 7, 2012 the Company's shareholders approved an amendment of the 2010 Omnibus Long-Term Incentive Plan ("Omnibus Plan") which increased the number of shares of the Company's common stock available for issuance pursuant to awards under the Omnibus Plan by 4,500,000 shares and the creation of the 2012 Non-employee Director Equity Compensation Plan ("2012 Director Equity Plan"), under which the Company may issue up to 3,500,000 restricted stock unit awards and other equity awards to our non-employee directors pursuant to the Company's director compensation policy.

During the year ended June 30, 2013 options to purchase 713,550 shares were granted to employees exercisable at prices from \$0.35 to \$0.38 and exercisable at various dates through June 2021. As of June 30, 2013, an additional 5,638,452 shares were available to be issued under the Omnibus Plan.

On January 21, 2011, certain members of management of Tier Electronics LLC were awarded inducement options to purchase a total of 750,000 shares of the Company's common stock at an exercise price of \$1.15. The options vest as follows: (1) 420,000 vest in three equal annual installments beginning on December 31, 2011 based on achievement of certain performance targets, (2) 330,000 vest in three equal annual installments beginning on the one-year anniversary of the grant date. As of June 30, 2013, 140,000 of the 420,000 shares had vested and 220,000 of the 330,000 had vested.

In January 2010 the Company's new President and CEO was awarded two inducement option grants covering a total of 500,000 shares with an exercise price of \$1.33 per share. 100,000 of these options vested in two equal installments on June 30, 2010 and December 31, 2010, based on the satisfaction of certain performance targets for each of the six-month periods then ended. The remaining 400,000 of these options vested over three years with the first one-third vesting on January 7, 2011 and the remaining two-thirds vested in 24 equal monthly installments beginning on January 31, 2011 and ending on December 31, 2012.

In November 2011 the Company's Chief Operating Officer was awarded two inducement option grants covering a total of 500,000 shares with an exercise price of \$0.79 per share which was the closing price of the Company's common stock on the NYSE MKT on the date of his appointment. 100,000 of these options will vest in two equal installments on September 30, 2012 and June 30, 2013 based on the achievement of certain performance targets. As of June 30, 2013, 25,000 of these shares had vested and the remaining 75,000 shares were cancelled. The remaining 400,000 of these options will vest over three years with the first one-quarter vesting on November 9, 2012 and the remaining three quarters vesting in 24 equal monthly installments beginning in on December 9, 2012 and ending November 9, 2014. As of June 30, 2013, 211,110 of the remaining 400,000 shares had vested.

In aggregate for all plans, at June 30, 2013 the Company had a total of 4,201,413 options outstanding, 5,698,436 RSUs outstanding and 5,638,452 shares available for future grant under the Omnibus Plan.



Information with respect to stock option activity under the employee and director plans is as follows:

	Number of Options	Weighted- Average Exercise Price Per Share
Balance at July 1, 2011	3,322,303	\$ 1.55
Options granted	1,454,500	0.82
Options forfeited	(537,739)	1.91
Balance at June 30, 2012	4,239,064	1.25
Options granted	713,550	0.38
Options forfeited	(1,026,201)	1.01
Balance at June 30, 2013	<u>3,926,413</u>	1.16

The following table summarizes information relating to the stock options outstanding at June 30, 2013:

Range of Exercise Prices	Outstanding			Exercisable		
	Number of Options	Average Remaining Contractual Life (in years)	Weighted Average Exercise Price	Number of Options	Average Remaining Contractual Life (in years)	Weighted Average Exercise Price
\$ 0.34 to \$0.50	656,217	7.08	\$ 0.39	75,666	5.79	\$ 0.46
\$ 0.51 to \$1.00	1,056,500	6.14	0.78	622,947	5.98	0.77
\$ 1.01 to \$1.50	1,913,696	4.91	1.25	1,614,279	4.79	1.26
\$ 3.50 to \$3.82	300,000	1.39	3.59	300,000	1.39	3.59
Balance at June 30, 2013	<u>3,926,413</u>	5.34	1.16	<u>2,612,892</u>	4.71	1.39

During the year ended June 30, 2013 options to purchase 713,550 shares were granted to employees exercisable at prices from \$0.35 to \$0.38 per share based on various service and performance based vesting terms from July 2012 through June 2016 and exercisable at various dates through June 2021. During the year ended June 30, 2012 options to purchase 1,454,500 shares were granted to employees exercisable at prices from \$0.37 to \$1.16 per share based on various service and performance based vesting terms from July 2011 through June 2015 and exercisable at various dates through June 2020.

The fair value of each option granted is estimated on the date of grant using the Black-Scholes option-pricing method. The Company uses historical data to estimate the expected price volatility, the expected option life and the expected forfeiture rate. The Company has not made any dividend payments nor does it have plans to pay dividends in the foreseeable future. The following assumptions were used to estimate the fair value of options granted during the years ended June 30, 2013 and 2012 using the Black-Scholes option-pricing model:

	FY 2013	FY 2012
Expected life of option (years)	4	2.5
Risk-free interest rate	.46 - .61%	.24 - .55%
Assumed volatility	96 - 104%	103 - 107%
Expected dividend rate	0%	0%
Expected forfeiture rate	4.19 - 6.66%	4.35 - 6.80%

Time-vested and performance-based stock awards, including stock options, restricted stock and restricted stock units, are accounted for at fair value at date of grant. Compensation expense is recognized over the requisite service and performance periods.

A summary of the status of unvested employee stock options as of June 30, 2013 and June 30, 2012 and changes during the years ended is presented below:

	Number of Options	Weighted- Average Grant Date Fair Value Per Share
Balance at July 1, 2011	1,742,168	\$ 1.07
Granted	1,454,500	0.82
Vested	(722,837)	1.08
Forfeited	(226,334)	0.72
Balance at June 30, 2012	2,247,497	0.94
Granted	713,550	0.38
Vested	(791,858)	0.95
Forfeited	(855,668)	0.84
Balance at June 30, 2013	<u>1,313,521</u>	0.69

Total fair value of options granted in the years ended June 30, 2013 and June 30, 2012 was \$167,282 and \$709,713, respectively. At June 30, 2013, there was \$139,220 in unrecognized compensation cost related to unvested stock options, which is expected to be recognized over the next three years.

The Company compensates its directors with restricted stock units ("RSUs") and cash. On November 9, 2011, 548,051 RSUs were granted to the Company's directors in payment of directors fees through November 2012 under the Omnibus Plan. As of November 2012, all 548,051 shares had vested. On November 7, 2012, an additional 1,100,000 shares were granted to the Company's directors in payment of directors fees through November 2013 under the 2012 Director Equity Plan. As of June 30, 2013, 825,003 of the shares had vested and there were \$286,998 in directors' fees expense settled with RSUs for the year ended June 30, 2013.

On May 6, 2011, the Company's President and CEO was awarded 200,000 RSUs that vested ratably over a three year period. On March 23, 2012, the Company's Compensation Committee of the Company's Board of Directors awarded 500,000 RSUs to the Company's President and CEO which vested based on the satisfaction of certain performance targets for the six-month period ending September 30, 2012. As of September 30, 2012, 450,000 shares had vested and the remaining shares were cancelled.

In January of 2013, the Company issued 40,000 shares related to RSUs issued as compensation for services to a consultant in November of 2010.

On May 1, 2013, the Company's Board of Directors awarded 1,000,000 shares, each, to the Company's President and CEO and Chief Operating Officer which will vest on the satisfaction of certain performance targets for the five-month period ending September 30, 2013.

As of June 30, 2013 there were 2,566,664 unvested RSUs outstanding which will vest through January 15, 2016 and \$801,334 in unrecognized compensation cost related to unvested RSUs which are expected to be recognized through January 15, 2016. Shares of common stock related to vested RSUs are to be issued six months after the holder's separation from service with the Company.

The table below summarizes the status of restricted stock unit balances:

	Number of Restricted Stock Units	Weighted- Average Valuation Price Per Unit
Balance at July 1, 2011	1,400,385	\$ 0.70
RSUs granted	1,048,051	0.74
RSUs forfeited	-	-
Balance at June 30, 2012	2,448,436	0.72
RSUs granted	4,850,000	0.26
RSUs forfeited	(1,600,000)	0.26
Shares issued	(40,000)	0.34
Balance at June 30, 2013	<u>5,658,436</u>	0.46

## NOTE 10 – WARRANTS

At June 30, 2013, the following warrants to purchase the Company's common stock were outstanding and exercisable:

- 75,000 warrants as partial payment for services exercisable at \$0.42 per share which expire in July 2015.
- 2,895,303 warrants in connection with the Underwriting Agreement entered into with MDB Capital Group, LLC as part of underwriting compensation which provided for the sale of \$12 million of common stock as described in Note 11 on June 19, 2012 exercisable at \$0.475 per share and which expire in June 2017.
- 2,558,019 warrants in connection with Securities Purchase Agreements entered into with certain investors providing for the sale of a total of \$2,465,000 of Zero Coupon Convertible Subordinated Notes as described in Note 8 on May 1, 2012 exercisable at \$0.53 per share and which expire in May 2017.
- 60,500 warrants as partial payment for services exercisable at \$1.00 per share which expire March 2015 through July 2015.
- 40,000 warrants to an equipment supplier in January 2011 exercisable at \$0.56 per share and which expire in January 2014. The fair value of the warrants was \$11,834 and was included in the cost of the equipment.
- 1,121,875 warrants acquired by certain purchasers of Company shares in March 2010 exercisable at \$1.04 per share and which expire in September 2015.
- 358,333 warrants acquired by certain purchasers of Company shares in August 2009 exercisable at \$1.33 per share and which expire in August 2015.
- 50,000 warrants acquired by Empire Financial Group, Ltd. as part of the underwriting compensation in connection with our United States public offering which were exercisable at \$7.20 per share expired during June 2012.
- 48,950 warrants issued and outstanding to Strategic Growth International in connection with capital raising activities in 2007, with an exercise price of \$7.20 per share expired during June 2012.
- 120,023 warrants acquired by Empire Financial Group, Ltd. in 2006 exercisable at \$3.23 per share expired during September 2011.

During the year ended June 30, 2012, 4,132,553 warrants were exercised in connection with the Socius agreement (see Note 11).

For the year ended June 30, 2013, the Company recognized approximately \$15,000 of expense related to warrants.

The table below summarizes warrant balances:

	Number of Warrants	Weighted- Average Exercise Price Per Share
Balance at July 1, 2011	1,886,031	\$ 1.73
Warrants granted	9,614,875	0.60
Warrants expired	(365,823)	4.54
Warrants exercised	(4,132,553)	0.72
Balance at June 30, 2012	7,002,530	0.63
Warrants granted	106,500	0.59
Warrants expired	-	-
Warrants exercised	-	-
Balance at June 30, 2013	<u>7,109,030</u>	0.63

## NOTE 11 – EQUITY

On March 13, 2013, the Company entered into a common stock purchase agreement (the "Aspire Purchase Agreement") with Aspire Capital Fund, LLC, an Illinois limited liability company, under which Aspire Capital committed over a two year period to purchase up to \$10 million of ZBB Energy common stock based on prevailing market prices over a period preceding each sale, subject to certain terms and conditions.

On March 19, 2013 the Company issued 1,725,490 shares to Aspire Capital in consideration for Aspire Capital's entry into the Aspire Purchase Agreement and Aspire Capital purchased 2,941,176 shares for \$1,000,000 pursuant to the agreement at \$0.34 per share.

On March 25, 2013 and March 26, 2013, Aspire Capital purchased a total of 4,963,600 shares pursuant to the Aspire Purchase Agreement at a price per share of \$0.30 for a total purchase price of \$1,500,000.

Aspire Capital purchased 500,000 shares at a per share price of \$0.30 for a total purchase price of \$151,750 on April 4, 2013; 450,000 shares at a per share price of \$0.3331 for a total purchase price of \$149,895 on April 12, 2013; and 350,000 shares at a per share price of \$0.2919 for a total purchase price of \$102,165 on May 3, 2013.

Through June 30, 2013 the Company had issued a total of \$2,903,190 of shares of common stock under this facility and \$7,096,190 remained available. In accordance with applicable NYSE MKT rules, shareholder approval will be required for the Company to sell in excess of 15,521,706 shares pursuant to the Aspire Purchase Agreement. Through June 30, 2013 the Company had issued a total of 10,930,266 shares pursuant to the Aspire Purchase and had the ability to sell up to 4,591,440 additional shares under the Aspire Purchase Agreement. In light of limitations on the Company's ability to continue to effectively use the Aspire Purchase Agreement, including certain volume limitations and because to sell any additional shares under the agreement the SEC's equity line rules require the Company to file a registration statement covering shares issuable under the agreement, the Company has no current plans to sell any additional shares under the agreement.

On June 19, 2012 the Company issued 31,600,000 shares of its common stock at a price to the public of \$0.38 per share. The net proceeds to ZBB from this offering were approximately \$10.7 million after deducting approximately \$1.3 million in underwriting discounts and other offering expenses. In connection with the offering, the Company granted the underwriter warrants to purchase 2,895,303 shares of common stock at an exercise price of \$0.475 per share. These warrants expire on June 13, 2017. The estimated fair value of these warrants was \$1,024,726, as determined using the Black-Scholes methodology (assuming estimated volatility of 100.86%, risk-free interest rate of 0.71%, expected dividend yield of 0.0%). This amount was recorded as both an increase to additional paid in capital and as a non-cash issuance cost of the financing transaction.

On July 5, 2012 the underwriter for the Company's June 2012 underwritten public offering exercised substantially all of its over-allotment option and purchased an additional 4,591,287 shares of the Company's common stock. The net proceeds to the Company from this issuance were \$1,600,000 after deducting approximately \$143,000 in offering expenses.

On December 13, 2011, the Company entered into Stock Purchase Agreements with a strategic investor previously known to the Company and certain Company officers and directors providing for the issuance of a total of 1,167,340 shares of common stock for an aggregate purchase price of \$875,505 at a price per share equal to \$0.75 which was the closing price of the Company's common stock on December 12, 2011.

On December 14, 2011, the Company entered into Stock Purchase Agreements with certain investors providing for the issuance of a total of 1,425,000 shares of the Company's common stock for an aggregate purchase price of \$1,011,893 at a price per share of \$0.7101 which was the closing price of the Company's common stock on December 13, 2011. The closing for both transactions took place on December 16, 2011. The net proceeds to the Company after deducting \$84,343 of offering costs were \$1,803,055.

On January 31, 2012 and February 1, 2012, the Company entered into Stock Purchase Agreements with certain investors including certain members of the Company's Board of Directors and management providing for the issuance of a total of 4,431,603 shares of the Company's common stock for an aggregate purchase price of \$3,165,000 at a weighted average price per share of \$0.71. The closing took place on February 7, 2012. The net proceeds to the Company, after deducting \$308,049 of offering costs, were \$2,856,954.

On August 30, 2010, the Company entered into an amended and restated securities purchase agreement ("Socius Agreement") with Socius CG II, Ltd. ("Socius"). Pursuant to the Socius Agreement the Company had the right over a term of two years, subject to certain conditions, to require Socius to purchase up to \$10 million of redeemable subordinated debentures and/or shares of redeemable Series A preferred stock in one or more tranches. The debentures accrued interest at an annual rate of 10% and the shares of Series A preferred stock accumulated dividends at the same rate. Both the debentures and the shares of Series A preferred stock were redeemable at the Company's election at any time after the one year anniversary of issuance. Neither the debentures nor the Series A preferred shares were convertible into common stock.

On November 10, 2010, the Company's Board of Directors approved a certificate of designation of preferences, rights and limitations to authorize shares of Series A preferred stock in accordance with the terms of the Socius Agreement. Upon the authorization of Series A preferred stock and in accordance with the terms of the Socius Agreement, the \$517,168 of outstanding debentures issued by the Company to Socius CG II, Ltd. on September 2, 2010, and \$7,510 of accrued interest were exchanged into 52,468 shares of Series A preferred stock. Following the authorization of the Series A Preferred Stock all future tranches under the Socius Agreement involved shares of Series A preferred stock instead of debentures.

Under the Socius Agreement, in connection with each tranche Socius was obligated to purchase that number of shares of our common stock equal in value to 135% of the amount of the tranche at a per share price equal to the closing bid price of the common stock on the trading day preceding our delivery of the tranche notice. Socius had the option to pay for the shares it purchased at its option, in cash or a collateralized promissory note. Any such promissory note accrued interest at 2.0% per year and was collateralized by securities owned by Socius with a fair market value equal to the principal amount of the promissory note. The entire principal balance and interest on the promissory note was due and payable on the later of the fourth anniversary of the date of the promissory note or when we redeemed all the Series A preferred stock issued by us to Socius under the Socius Agreement, and was applied by us toward the redemption of the shares of Series A preferred stock held by Socius.

Under the terms of the Socius Agreement, the Company was obligated to pay Socius a commitment fee in the form of shares of common stock or cash, at the option of the Company, in the amount of \$500,000 if it is paid in cash and \$588,235 if it is paid in shares of common stock. Payment of the commitment fee occurred 50% at the closing of the first tranche and 50% at the closing of the second tranche.

The following summarizes the transactions under the Socius agreement:

Tranche	Date of Notice	Series A Preferred Stock Purchased by Socius	Shares of Common Stock Purchased by Socius	Total Purchase Price of Common Stock	Per Share Price	Shares of Common Stock Issued by ZBB in Payment of Commitment Fee	Discount on Collateralized Promissory Note Issued by Socius
1	September 2, 2010	\$ 517,168	1,163,629	\$ 698,177	\$ 0.60	490,196	\$ 183,922
2	November 12, 2010	490,000	906,165	661,500	0.73	402,901	173,872
3	January 12, 2011	2,020,000	1,934,042	2,727,000	1.41		716,777
4	March 16, 2011	520,000	557,142	702,000	1.26		184,461
5 & 6	September 8, 2011	1,447,240	2,621,359	1,953,775	0.75		512,815
7	November 16, 2011	750,000	1,511,194	1,012,500	0.67		266,130
		<u>\$ 5,744,408</u>	<u>8,693,531</u>	<u>\$ 7,754,952</u>		<u>893,097</u>	<u>\$ 2,037,977</u>

The Company's accounting for the 2% notes receivable – common stock was to accrue interest on the discounted notes receivable at 10% as a credit to additional paid-in capital. The Company's accounting for the Series A preferred stock was to accrete dividends at 10% as a charge to additional paid-in capital.

In the event of liquidation, dissolution or winding up (whether voluntary or involuntary) of the Company, the holders of shares of Series A preferred stock were entitled to be paid the full amount payable on such shares upon the liquidation, dissolution or winding up of the corporation fixed by the Board of Directors with respect to such shares, if any, before any amount was to be paid to the holders of the common stock.

In connection with the May 2012 Note transaction described in Note 9, on May 7, 2012 the Company sent a notice to Socius to terminate the Socius Agreement.

In June 2012, we entered into a redemption agreement with Socius pursuant to which we acquired and redeemed all the shares of Series A Preferred Stock issued to Socius under the Socius Agreement (the "Shares") in exchange for the cancellation of the secured promissory notes issued by Socius to us under the Socius Agreement. Following completion of the June 2012 redemption and the retirement and cancellation of the Shares, no shares of Series A Preferred Stock remain outstanding. On July 3, 2012, we cancelled the Series A preferred stock.

## NOTE 12 – COMMITMENTS

### *Leasing Activities*

The Company leases its Australian research and development facility from a non-related Australian company under the terms of a lease that expires October 31, 2016. The rental rate was \$75,596 per annum (A\$72,431) and was subject to an annual CPI adjustment. Rent expense was \$102,420 and \$93,755 for the years ended June 30, 2013 and June 30, 2012, respectively. The Company renewed the lease on its Australian research and development facility through October 2016 at a rental rate of \$95,855 per annum (A\$95,000) subject to an annual CPI adjustment. The Company also leases a building from an officer of its subsidiary, Tier Electronics LLC, who is also a shareholder and director, under a lease agreement expiring December 31, 2014. The current year rental is \$84,000 per annum and is subject to a CPI adjustment at renewal. The rent expense for the years ended June 30, 2013 and June 30, 2012 was \$84,000. The Company is required to pay real estate taxes and other occupancy costs related to the facility.

The future payments required under the terms of the leases for fiscal periods subsequent to June 30, 2013 are as follows:

2014	\$ 176,867
2015	134,867
2016	30,956
	<u>\$ 342,690</u>

#### Employment Contracts

The Company has entered into employment contracts with executives and management personnel. The contracts provide for salaries, bonuses and stock option grants, along with other employee benefits. The employment contracts generally have no set term and can be terminated by either party. There is a provision for payments of up to twelve months of annual salary as severance if we terminate a contract without cause, along with the acceleration of certain unvested stock option grants.

#### NOTE 13 – RETIREMENT PLANS

All Australian based employees are entitled to varying degrees of benefits on retirement, disability, or death. The Company contributes to an accumulation fund on behalf of the employees under an award which is legally enforceable. For U.S. employees, the Company has a 401(k) plan. All active participants are 100% vested immediately. Expenses under these plans were \$138,254 and \$91,963 for the years ended June 30, 2013 and June 30, 2012, respectively.

#### NOTE 14 – INCOME TAXES

The provision (benefit) for income taxes consists of the following:

	Year ended June 30,	
	2013	2012
Current	\$ (154,904)	\$ (253,255)
Deferred	-	-
Provision (benefit) for income taxes	<u>\$ (154,904)</u>	<u>\$ (253,255)</u>

The Company accounts for income taxes using an asset and liability approach which generally requires the recognition of deferred income tax assets and liabilities based on the expected future income tax consequences of events that have previously been recognized in the Company's financial statements or tax returns. In addition, a valuation allowance is recognized if it is more likely than not that some or all of the deferred income tax assets will not be realized in the foreseeable future. Deferred income tax assets are reviewed for recoverability based on historical taxable income, the expected reversals of existing temporary differences, tax planning strategies and projections of future taxable income. As a result of this analysis, the Company has provided for a valuation allowance against its net deferred income tax assets as of June 30, 2013 and June 30, 2012.

The Company's combined effective income tax rate differed from the U.S. federal statutory income rate as follows:

	Year ended June 30,	
	2013	2012
Income tax benefit computed at the U.S. federal statutory rate	-34%	-34%
Australia research and development credit	-1	-2
Change in valuation allowance	34	34
Total	<u>-1%</u>	<u>-2%</u>

Significant components of the Company's net deferred income tax assets as of June 30, 2013 and June 30, 2012 were as follows:

	Year ended June 30,	
	2013	2012
Federal net operating loss carryforwards	\$ 19,777,894	\$ 17,063,374
Federal - other	2,273,021	1,578,175
Wisconsin net operating loss carryforwards	2,482,692	2,080,223
Australia net operating loss carryforwards	1,398,139	1,291,699
Deferred income tax asset valuation allowance	(25,931,746)	(22,013,471)
Net deferred income tax assets	\$ -	\$ -

The Company has U.S. federal net operating loss carryforwards of approximately \$58 million as of June 30, 2013, that expire at various dates between June 30, 2016 and 2033. The Company also has \$1,495,693 in other federal deferred tax assets comprised of charitable contributions carryforwards and intangible amortization. The Company has U.S. federal research and development tax credit carryforwards of approximately \$87,000 as of June 30, 2013 that expire at various dates through June 30, 2033. As of June 30, 2013, the Company has approximately \$48 million of Wisconsin net operating loss carryforwards that expire at various dates between June 30, 2014 and 2028. As of June 30, 2013, the Company also has approximately \$4.7 million of Australian net operating loss carryforwards available to reduce future taxable income of its Australian subsidiaries with an indefinite carryforward period.

A reconciliation of the beginning and ending balance of unrecognized income tax benefits is as follows:

	Year ended June 30,	
	2013	2012
Beginning balance	\$ 208,593	\$ 219,500
Effect of foreign currency translation	(15,496)	(10,907)
Ending balance	\$ 193,097	\$ 208,593

The unrecognized income tax benefits relate to the credit the Company claimed during fiscal 2011 related to a refundable Australian research and development tax credit for qualified expenditures incurred during fiscal year 2010. If recognized, it would favorably affect the effective income tax rate. The amount is included in accrued expenses in the accompanying consolidated balance sheets.

The Company's issuance of additional shares of common stock has constituted an ownership change under Section 382 of the Internal Revenue Code which places an annual dollar limit on the use of net operating loss ("NOL") carryforwards and other tax attributes that may be utilized in the future. The calculation of the annual limitation of usage is based on a percentage of the equity value immediately after any ownership change. The annual amount of tax attributes that may be utilized after the change in ownership is limited. Previous issuances of additional shares of common stock also resulted in ownership changes and the annual amount of tax attributes from previous years is limited as well. The extent of any limitations on the usage of net operating losses has not been determined.

#### NOTE 15 – SUBSEQUENT EVENTS

On September 26, 2013, the Company entered into a Securities Purchase Agreement with certain investors providing for the sale of a total of 3,000 shares of Series B Convertible Preferred Stock (the "Preferred Stock"). Certain Directors of the Company purchased 500 shares.

Shares of Preferred Stock were sold for \$1,000 per share (the "Stated Value") and accrue dividends on the Stated Value at an annual rate of 10%. The Preferred Stock is convertible into a total of 15,789,474 shares of common stock of the Company ("Common Stock") at a conversion price equal to \$0.19, which was the closing price of the Common Stock on September 25, 2013 (the "Conversion Price"). Upon any liquidation, dissolution or winding-up of the Corporation, holders of Preferred Stock shall be entitled to receive out of the assets of the Corporation an amount equal to two times the Stated Value, plus any accrued and unpaid dividends thereon.

In connection with the purchase of the Preferred Stock, investors received warrants to purchase a total of 15,789,474 shares of Common Stock at an exercise price of \$0.19. The warrants are exercisable at any time on or prior to September 27, 2016. In addition, the Company issued a total of 407,895 Warrants to certain placement agents in connection with the transaction.

## **Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure**

Not applicable.

### **Item 9A. Controls and Procedures**

#### *Evaluation of Disclosure Controls and Procedures*

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our reports filed or submitted under the Securities Exchange Act of 1934, as amended (Exchange Act), is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms. Our disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed in our reports filed under the Exchange Act is accumulated and communicated to management as appropriate to allow timely decisions regarding required disclosures. There are inherent limitations to the effectiveness of any system of disclosure controls and procedures, including the possibility of human error and the circumvention or overriding of the controls and procedures. Accordingly, even effective disclosure controls and procedures can only provide reasonable assurance of achieving their control objectives, and management necessarily is required to use its judgment in evaluating the cost-benefit relationship of possible controls and procedures.

An evaluation was carried out under the supervision and with the participation of the Company's management, including the Chief Executive Officer (CEO) and Chief Financial Officer (CFO), of the effectiveness of our disclosure controls and procedures as of the end of the period covered by this report as defined in Exchange Act Rule 13a-15(e) and Rule 15d-15(e). Based on that evaluation, the CEO and CFO have concluded that, as of the end of the period covered by this report, the Company's disclosure controls and procedures are effective in ensuring that information required to be disclosed in our Exchange Act reports is (1) recorded, processed, summarized and reported in a timely manner, and (2) accumulated and communicated to our management, including the our CEO and CFO, as appropriate, to allow timely decisions regarding required disclosure.

#### *Management's Report on Internal Control Over Financial Reporting*

Our management is responsible for establishing and maintaining adequate internal controls over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)). Under the supervision and with the participation of our management, including our CEO and CFO, we conducted an evaluation of the effectiveness of our internal controls over financial reporting based on the framework in Internal Controls – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on our evaluation under the framework in Internal Control – Integrated Framework, our management concluded that our internal controls over financial reporting were effective as of June 30, 2013.

This annual report does not include an attestation report of the Company's registered public accounting firm regarding internal control over financial reporting. Management's report was not subject to attestation by the Company's registered public accounting firm pursuant to SEC rules adopted in conformity with the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010.

#### *Changes in Internal Control over Financial Reporting*

There were no changes in our internal control over financial reporting (as defined in Exchange Rules 13a-15(f) and 15d-15(f)) that occurred during the quarter ended June 30, 2013 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

### **Item 9B. Other Information**

On September 26, 2013, the Board of Directors (the "Board") of the Company set December 20, 2013 as the date for the Company's 2013 annual meeting of shareholders (the "Annual Meeting"). The Board also approved October 25, 2013 as the record date for determining shareholders of record entitled to vote at the Annual Meeting. Because the date of the Annual Meeting has been changed by more than 30 calendar days from the anniversary of the Company's 2012 annual meeting of shareholders, in accordance with Rule 14a-5(f) and Rule 14a-8(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), the Company has set a new deadline for the receipt of any shareholder proposals submitted pursuant to Rule 14a-8 under the Exchange Act ("Rule 14a-8") for inclusion in the Company's proxy materials relating to the Annual Meeting. In order for a proposal under Rule 14a-8 to be timely, it must be received by the Company at its principal offices and directed to the attention of the Company's Secretary by the close of business on October 11, 2013, which the Company has determined to be reasonable. Such proposals must also comply with the Company's Amended and Restated Bylaws (the "Bylaws") and the rules of the Securities and Exchange Commission regarding the inclusion of shareholder proposals in proxy materials, and any such proposal may be omitted if not in compliance with applicable requirements.

Shareholders wishing to nominate a director at the Annual Meeting must provide timely notice thereof to the Company in order for such nomination to be considered at the Annual Meeting. In accordance with Section 2.04.7 of our Bylaws, to be timely, such nomination must have been received by the Company at its principal offices by no earlier than June 10, 2013 and no later than August 9, 2013. Shareholders wishing to make another proposal at the Annual Meeting—other than one that will be included in our proxy statement—were required under Section 2.04.6 of our Bylaws to notify us by no later than August 9, 2013. Such nominations and proposals must also satisfy the other requirements for shareholder nominations and proposals set forth in our Bylaws.

All shareholder nominations and proposals must be submitted to Mr. Will Hogoboom, Secretary, ZBB Energy Corporation, N93 W14475 Whittaker Way, Menomonee Falls, Wisconsin 53051. To avoid disputes as to the date of receipt, it is suggested that any shareholder proposal be submitted by certified mail, return receipt requested.



### PART III

**Item 10. Directors, Executive Officers and Corporate Governance**

The information required under this item is set forth in the Company's Definitive Proxy Statement relating to the Company's 2013 annual meeting of shareholders to be held on December 20, 2013 and is incorporated herein by reference.

**Item 11. Executive Compensation**

The information required under this item is set forth in the Company's Definitive Proxy Statement relating to the Company's 2013 annual meeting of shareholders to be held on December 20, 2013 and is incorporated herein by reference.

**Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters**

The information required under this item is set forth in the Company's Definitive Proxy Statement relating to the Company's 2013 annual meeting of shareholders to be held on December 20, 2013 and is incorporated herein by reference.

**Item 13. Certain Relationships and Related Transactions, and Director Independence**

The information required under this item is set forth in the Company's Definitive Proxy Statement relating to the Company's 2013 annual meeting of shareholders to be held on December 20, 2013 and is incorporated herein by reference.

**Item 14. Principal Accounting Fees and Services**

The information required under this item is set forth in the Company's Definitive Proxy Statement relating to the Company's 2013 annual meeting of shareholders to be held on December 20, 2013 and is incorporated herein by reference.

## PART IV

### Item 15. Exhibits and Financial Statement Schedules

#### Financial Statements

The following financial statements are included in Item 8 of this Annual Report:

- Report of Independent Registered Public Accounting Firm
- Consolidated Balance Sheets as of June 30, 2013 and 2012
- Consolidated Statements of Operations for the Years ended June 30, 2013 and 2012
- Consolidated Statements of Comprehensive Loss for the Years ended June 30, 2013 and 2012
- Consolidated Statements of Changes in Equity for the Years ended June 30, 2013 and 2012
- Consolidated Statements of Cash Flows for the Years ended June 30, 2013 and 2012
- Notes to Consolidated Financial Statements

#### Financial Statement Schedules

Financial statement schedules have been omitted because they either are not applicable or the required information is included in the consolidated financial statements or notes thereto.

#### Exhibits

The Exhibit Index immediately preceding the exhibits required to be filed with this report is incorporated herein by reference.

## SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this Form 10-K Annual Report to be signed on its behalf by the undersigned on September 30, 2013, thereunto duly authorized.

ZBB ENERGY CORPORATION  
/s/ Eric C. Apfelbach  
Eric C. Apfelbach  
Chief Executive Officer and Director

Pursuant to the requirements of the Securities Exchange Act of 1934, this Form 10-K Annual Report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

	<b><u>Position</u></b>	<b><u>Date</u></b>
<u>/s/ Eric C. Apfelbach</u> Eric C. Apfelbach	Chief Executive Officer (Principal Executive Officer) and Director	September 30, 2013
<u>/s/ William C. Hogoboom</u> William C. Hogoboom	Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)	September 30, 2013
<u>/s/ Charles W. Stankiewicz</u> Charles W. Stankiewicz	Director and Chief Operating Officer	September 30, 2013
<u>/s/ Paul F. Koepp</u> Paul F. Koepp	Chairman and Director	September 30, 2013
<u>/s/ Richard A. Abdo</u> Richard A. Abdo	Director	September 30, 2013
<u>/s/ Manfred E. Birbaum</u> Manfred E. Birbaum	Director	September 30, 2013
<u>/s/ James H. Ozanne</u> James H. Ozanne	Director	September 30, 2013
<u>/s/ Richard A. Payne</u> Richard A. Payne	Director	September 30, 2013
<u>/s/ Jeffrey A. Reichard</u> Jeffrey A. Reichard	Director	September 30, 2013

## Exhibit Index

Exhibit No.	Description	Incorporated by Reference to
3.1	Articles of Incorporation of ZBB Energy Corporation, as amended	Incorporated by reference to the Company's Registration Statement on Form SB-2 filed on October 27, 2006
3.2	Amendment to Articles of Incorporation of ZBB Energy Corporation	Incorporated by reference to Appendix B attached to the Company's Definitive Proxy Statement filed on September 24, 2010
3.3	Certificate of Cancellation of Series A Preferred Stock	Incorporated by reference to the Company's Report on Form 8-K filed on July 3, 2012
3.4	Amended and Restated By-laws of ZBB Energy Corporation (as of November 4, 2009)	Incorporated by reference to the Company's definitive proxy statement filed on September 25, 2009
4.1	Form of Stock Certificate	Incorporated by reference to the Company's Amendment No. 3 to Registration Statement on Form SB-2 filed on April 13, 2007
4.2	Form of Common Stock Purchase Warrant	Incorporated by reference to the Company's Report on Form 8-K filed on August 14, 2009
4.3	Form of Warrant	Incorporated by reference to the Company's Report on Form 8-K filed on March 9, 2010
4.4	Form of Debenture	Incorporated by reference to the Company's Report on Form 8-K filed on August 31, 2010
4.5	Form of Underwriter Warrant	Incorporated by reference to the Company's Registration Statement on Form S-1 filed on April 10, 2012
4.6	Form of Warrant	Incorporated by reference to Exhibit 10.6 to the Company's Current Report on Form 8-K filed on May 2, 2012
10.1*	2002 Stock Option Plan of ZBB Energy Corporation	Incorporated by reference to the Company's Registration Statement on Form S-8 filed on April 16, 2008
10.2*	2005 Employee Stock Option Scheme of ZBB Energy Corporation	Incorporated by reference to the Company's Registration Statement on Form SB-2 filed on October 27, 2006
10.3*	2007 Equity Incentive Plan of ZBB Energy Corporation	Incorporated by reference to the Company's Registration Statement on Form S-8 filed on April 16, 2008
10.4*	Director Nonstatutory Stock Option Agreement by and between the Company and Paul F. Koeppe dated as of November 2, 2009	Incorporated by reference to the Company's Report on Form 8-K filed on November 4, 2009

<b>Exhibit No.</b>	<b>Description</b>	<b>Incorporated by Reference to</b>
10.5*	Agreement dated January 7, 2010 by and between the Company and Eric C. Apfelbach	Incorporated by reference to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2009
10.6*	Nonstatutory Stock Option Agreement dated January 7, 2010 by and between the Company and Eric C. Apfelbach (performance-based)	Incorporated by reference to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2009
10.7*	Nonstatutory Stock Option Agreement dated January 7, 2010 by and between the Company and Eric C. Apfelbach (time-based)	Incorporated by reference to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2009
10.8*	2010 Omnibus Long-Term Incentive Plan	Incorporated by reference to Appendix A attached to the Company's Definitive Proxy Statement filed on September 24, 2010
10.9	Amendment No. 1 to 2010 Omnibus Long-Term Incentive Plan	Incorporated by reference to Appendix A attached to the Company's Definitive Proxy Statement filed on September 25, 2012
10.10*	2010 Omnibus Long-Term Incentive Plan Form Stock Option Award Agreement	Incorporated by reference to the Company's Registration Statement on Form S-8 filed on January 31, 2010
10.11*	2010 Omnibus Long-Term Incentive Plan Form Restricted Stock Unit Award Agreement	Incorporated by reference to the Company's Registration Statement on Form S-8 filed on January 31, 2010
10.12*	Independent contractor agreement dated December 1, 2010 between ZBB Energy Corporation and Will Hogoboom	Incorporated by reference to Exhibit 99.1 to the Company's Current Report on Form 8-K filed on December 6, 2010
10.13	Form of Stock Purchase Agreement, dated December 29, 2010	Incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on December 6, 2010
10.14	Asset Purchase Agreement by and among ZBB Energy Corporation, DCDC Acquisition Company LLC, Tier Electronics LLC and Jeffrey Reichard dated January 21, 2011	Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on January 24, 2011
10.15	Registration Rights Agreement between ZBB Energy Corporation and Tier Electronics LLC dated January 21, 2011 Asset Purchase Agreement by and among ZBB Energy Corporation, DCDC Acquisition Company LLC, Tier Electronics LLC and Jeffrey Reichard dated January 21, 2011	Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on January 24, 2011 Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on January 24, 2011
10.16*	Employment Agreement between ZBB Energy Corporation and Jeffrey Reichard dated January 21, 2011	Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on January 24, 2011
10.17*	Form of Nonstatutory Option Agreements issued on January 21, 2011 to Jeff Reichard, Joanne Reichard and Nathan Jobe	Incorporated by reference to Exhibit 10.4 to the Company's Current Report on Form 8-K filed on January 24, 2011

<b>Exhibit No.</b>	<b>Description</b>	<b>Incorporated by Reference to</b>
10.18	\$1,350,000 Non-negotiable Promissory Note issued on January 21, 2011 to Tier Electronics LLC	Incorporated by reference to Exhibit 10.5 to the Company's Current Report on Form 8-K filed on January 24, 2011
10.19	Form of Securities Purchase Agreement, dated June 13, 2011	Incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on June 14, 2011
10.20	Collaboration Agreement between ZBB Energy Corporation and Honam Petrochemical Corporation dated April 8, 2011	Incorporated by reference to Exhibit 10.32 to the Company's Annual Report on Form 10-K for the year ended June 30, 2011
10.21	Form of Stock Purchase Agreement, dated June 14, 2011	Incorporated by reference to Exhibit 10.34 to the Company's Registration Statement on Form S-1 filed on February 16, 2012
10.22	Placement Agency Agreement between ZBB Energy Corporation and MDB Capital Group, LLC, dated June 8, 2011	Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on June 14, 2011
10.23	Joint Venture Agreement of Anhui Meineng Store Energy Co., Ltd. by and between ZBB PowerSav Holdings Limited and Anhui Xinrui Investment Co., Ltd, dated August 30, 2011	Incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2011
10.24	Limited Liability Company Agreement of ZBB PowerSav Holdings Limited by and between ZBB Cayman Corporation and PowerSav, Inc., dated August 30, 2011	Incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended September 30, 2011
10.25	Anhui Meineng Store Energy Co., Ltd. Supplemental Agreement to the Joint Venture Agreement by and between ZBB PowerSav Holdings Limited and Anhui Xinlong Investment Management Co., Ltd, dated November 15, 2011	Incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2011
10.26	License Agreement by and between ZBB PowerSav Holdings Ltd. and Anhui Meineng Store Energy Co., Ltd., dated November 11, 2011	Incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2011
10.27	Management Services Agreement by and between ZBB PowerSav Holdings Ltd. and Anhui Meineng Store Energy Co., Ltd., dated November 11, 2011	Incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2011
10.28*	Offer letter between ZBB Energy Corporation and Charles Stankiewicz dated November 3, 2011	Incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2011
10.29	Form of Nonstatutory Option Agreements issued on November 9, 2011 to Charles Stankiewicz	Incorporated by reference to Exhibit 10.5 to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2011
10.30	Form of Stock Purchase Agreement, dated December 13, 2011	Incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on December 15, 2011

<b>Exhibit No.</b>	<b>Description</b>	<b>Incorporated by Reference to</b>
10.31	Form of Stock Purchase Agreement, dated December 14, 2011	Incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on December 15, 2011
10.32	Placement Agency Agreement between ZBB Energy Corporation and MDB Capital Group, LLC, dated December 14, 2011	Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on December 15, 2011
10.33	Form of Registration Rights Agreement, dated December 13, 2011	Incorporated by reference to Exhibit 10.9 to the Company's Quarterly Report on Form 10-Q for the quarter ended December 31, 2011
10.34	Form of Stock Purchase Agreement, dated February 1, 2012	Incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on February 2, 2012
10.35	Form of Stock Purchase Agreement, dated January 31, 2012	Incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on February 2, 2012
10.36	Placement Agency Agreement between ZBB Energy Corporation and MDB Capital Group, LLC, dated February 1, 2012	Incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on February 2, 2012
10.37*	Offer letter between ZBB Energy Corporation and Kevin Dennis dated February 3, 2010	Incorporated by reference to Exhibit 10.48 to Pre-Effective Amendment No. 1 to Company's Registration Statement on Form S-1 filed on April 10, 2012
10.38*	Addendum to Employment Agreement between ZBB Energy Corporation and Kevin Dennis dated August 29, 2011	Incorporated by reference to Exhibit 10.49 to Pre-Effective Amendment No. 1 to Company's Registration Statement on Form S-1 filed on April 10, 2012
10.39*	Offer letter between ZBB Energy Corporation and Daniel Nordloh dated April 29, 2010	Incorporated by reference to Exhibit 10.50 to Pre-Effective Amendment No. 1 to Company's Registration Statement on Form S-1 filed on April 10, 2012
10.40*	First Amendment to Letter Agreement between ZBB Energy Corporation and Daniel Nordloh dated April 28, 2011	Incorporated by reference to Exhibit 10.51 to Pre-Effective Amendment No. 1 to Company's Registration Statement on Form S-1 filed on April 10, 2012
10.41*	Second Amendment to Letter Agreement between ZBB Energy Corporation and Daniel Nordloh dated March 23, 2012	Incorporated by reference to Exhibit 10.52 to Pre-Effective Amendment No. 1 to Company's Registration Statement on Form S-1 filed on April 10, 2012
10.42	Form of Underwriting Agreement between ZBB Energy Corporation and MDB Capital Group, LLC dated June 19, 2012	Incorporated by reference to Exhibit 1 to Pre-Effective Amendment No. 1 to Company's Registration Statement on Form S-1 filed on April 10, 2012

<b>Exhibit No.</b>	<b>Description</b>	<b>Incorporated by Reference to</b>
10.43	Form of Securities Purchase Agreement	Incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on May 2, 2012
10.44	Form of Securities Purchase Agreement	Incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on May 2, 2012
10.45	Form of Security Agreement	Incorporated by reference to Exhibit 10.5 to the Company's Current Report on Form 8-K filed on May 2, 2012
10.46*	ZBB Energy Corporation Director Compensation Policy dated November 7, 2012	Incorporated by reference to the Company's Quarterly Report on Form 8-K filed on November 9, 2012
10.47	Common Stock Purchase Agreement between ZBB Energy Corporation and Aspire Capital Fund, LLC, dated March 13, 2013	Incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on March 15, 2013
10.48	Registration Rights Agreement between ZBB Energy Corporation and Aspire Capital Fund, LLC, dated March 13, 2013	Incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on March 15, 2013
10.49	Second Amendment to Promissory Note between Tier Electronics LLC and TE Holdings Group, LLC, dated January 21, 2013	Incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2013
<a href="#">21</a>	Subsidiaries of ZBB Energy Corporation	
<a href="#">23</a>	Consent of Baker Tilly Virchow Krause, LLP	
<a href="#">31.1</a>	Certification of Principal Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002	
<a href="#">31.2</a>	Certification of Principal Financial and Accounting Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002	
<a href="#">32.1</a>	Certification of Principal Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	
<a href="#">32.2</a>	Certification of Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	
101	Interactive Data Files	

\* Management Contract or Compensatory Plan or Arrangement.



**List of Subsidiaries of ZBB Energy Corporation**

1. Tier Electronics LLC (Wisconsin)
  2. ZBB Energy Pty Ltd. (Australia)
  3. ZBB PowerSav Holdings Limited (Hong Kong)
  4. ZBB Cayman Corporation (Cayman Islands)
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CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in the Registration Statements on Form S-3 (File No. 333-171957) and Form S-8 (File No. 333-171954, 333-150268) of our report dated September 30, 2013, relating to the consolidated financial statements of ZBB Energy Corporation, which includes an explanatory paragraph relating to ZBB Energy Corporation's ability to continue as a going concern and appears on page 41 of this Annual Report on Form 10-K for the year ended June 30, 2013.

/s/ BAKER TILLY VIRCHOW KRAUSE, LLP

Milwaukee, Wisconsin  
September 30, 2013

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## CERTIFICATION

I, Eric C. Apfelbach, certify that:

1. I have reviewed this annual report on Form 10-K of ZBB Energy Corporation for the year ended June 30, 2013;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f), for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and to the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ Eric C. Apfelbach  
Eric C. Apfelbach  
*(Principal Executive Officer)*

September 30, 2013

## CERTIFICATION

I, William C. Hogoboom, certify that:

1. I have reviewed this annual report on Form 10-K of ZBB Energy Corporation for the year ended June 30, 2013;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f), for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the small business issuer's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and to the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ William C. Hogoboom  
William C. Hogoboom  
(Principal Financial Officer)

September 30, 2013

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of ZBB Energy Corporation (the "Company") on Form 10-K for the year ended June 30, 2013 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Eric C. Apfelbach, Principal Executive Officer of the Company, certify, pursuant to 18 U.S.C. section 1350 adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d), as applicable, of the Securities and Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

/s/ Eric C. Apfelbach  
Eric C. Apfelbach  
*(Principal Executive Officer)*  
September 30, 2013

The foregoing certification is being furnished solely to accompany the Report pursuant to 18 U.S.C., § 1350, and is not being filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and is not to be incorporated by reference into any filing of the Company, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

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**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of ZBB Energy Corporation (the "Company") on Form 10-K for the year ended June 30, 2013 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, William C. Hogoboom, Principal Financial Officer of the Company, certify, pursuant to 18 U.S.C. section 1350 pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d), as applicable, of the Securities and Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

/s/ William C. Hogoboom  
William C. Hogoboom  
*(Principal Financial Officer)*  
September 30, 2013

The foregoing certification is being furnished solely to accompany the Report pursuant to 18 U.S.C., § 1350, and is not being filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and is not to be incorporated by reference into any filing of the Company, whether made before or after the date hereof, regardless of any general incorporation language in such filing.

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