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COMPANY OVERVIEW August 2012

About SunSi Energies

SunSi Energies, Inc. ("SunSi" or "Company") is a fully reporting public company (Symbol: "SSIE.PK") expected to be listed on the NASDAQ in the third quarter of 2012. The Company is an international manufacturer, distributor, and licensee of alternative energy products and technologies. The Company, has a majority interest in a proprietary and cutting edge thermal heat-to-electricity conversion technology, has an LED commercial lighting distributorship with a technological-advanced leading manufacturer; and manufactures and distributes a key compound used in the production of polysilicon used to manufacture 75% of solar panels used in the world today.

SunSi Business Summary

- Owns 51% of TransPacific Energy, Inc. ("TPE") a U.S. based renewable energy technology provider that uses "waste heat" from various manufacturing and other sources to provide clean electricity.
- Recently entered into a distribution agreement to be the exclusive North American distributor of LED commercial lighting and fixtures with a premier LED manufacturer in China.
- Is a significant producer of trichlorosilane ("TCS") in China. TCS is a chemical primarily used in the production of polysilicon, which is an essential raw material in the production of solar cells for PV panels that convert sunlight to electricity.

Renewable Energy Market Segment - TransPacific Energy Inc. (TPE)

TPE is a high-tech corporation that designs, builds, installs and operates a proprietary modular Organic Rankine Cycle ("ORC") technology that uses special refrigerant mixtures to maximize heat recovery for conversion of waste heat from industrial processes into electrical energy. TPE technology can be utilized as an alternative to cooling towers and steam condensers that uses industrial heat to efficiently generate electricity. TPE uses multi-component proprietary fluids that are non-toxic and non-flammable, in contrast to the typical ORC installations that use binary cycles and petroleum-based fluids or ammonia which is flammable and toxic to the environment:

TPE Technology and Economics:

- There are existing technologies that take "waste heat" from an industrial smokestack and convert it into clean electricity at lower prices than from the electrical grid. This process is called the Organic Rankin Cycle and is a proven technology. ORC uses a turbine steam generator in a closed loop system to convert heat into electricity.
- TPE's technology works at temperatures up to 1000° Fahrenheit, whereas the competition caps out at 500° Fahrenheit. Ninety percent of the potential ORC applications are <u>above</u> 500° Fahrenheit, so TPE has a huge potential market.



- TPE has nine proprietary refrigerants for an ORC turbine system and these refrigerants are waterbased and non-toxic.
- This technology qualifies for a 30% government renewable energy grant for the cost of the equipment in some US states, and TPE's system can generate additional energy savings of over 20%.



Renewable Energy Market Opportunity

According to IEA electricity demand is expected to double by 2030 and by then 11 trillion is expected to be spent on energy infrastructure. Renewable energy is expected to be a 500 billion component by 2017.

As noted in the diagram above, what makes TPE truly unique is that TPE's proprietary technologies using ORC can access the entire market whereas its competition has less than 5% share of the market due to temperature application constraints.

TPE's proprietary systems in certain applications reduce operating and maintenance costs and significantly improve return on capital expenditures; thus making the purchase of waste heat recovery systems that previously yielded nominal savings, economically viable thus potentially opening enormous new markets.

LED Market Segment – Lightsky

In August 2012 SunSi acquired the exclusive North American distribution rights for high performance light emitting diode (LED) lighting fixtures used in a wide array of applications; for a period of five years. The Products will be distributed through SunSi's wholly owned subsidiary- SunSi U.S.A. All of SunSi U.S.A. LED lighting products will be manufactured by the highly respected Shanghai Lightsky Optoelectronics Technology Co., Ltd. located in Pujiang Town, Minhang district, Shanghai, China ("Lightsky").

Lightsky is a leading high-tech enterprise which was established by Shanghai Academy of Science and Technology (SAST) and Shanghai Zhongbo Capital Co., Ltd. Lightsky researches, designs and manufactures LED lighting to meet the worlds constantly changing lighting needs. Lightsky supplies the product range from illumination LED lighting, LED video display system and architectural LED lighting. Lightsky have completed some major lighting projects such as Shanghai International Airport lighting project, 2010 Shanghai World Expo, and Hong Kong University. Lightsky holds a series of design and utility patents, certificates including ISO9001, CE, Rohs, and other qualifications.

Lightsky Technology



Recent advances in the performance of LEDs have made LED lighting commercially feasible. Lumens per watt from an LED have increased to over 140 lumens from 55 lumens just a few years ago, making LED lighting an economically attractive alternative to conventional lighting. SunSi will offer an array of commercial LED products for warehouses, canopies, parking garages, exterior building facades, parking lots along with office space replacements for fluorescent fixtures all of which show very attractive potential levels of payback and return on investment. Lightsky LED products perform at the highest level surpassing traditional lighting in performance while offering energy efficiency savings of 50-75%.

The LED Light

The LED light is considered "green" because of the absence of dangerous chemicals and minerals with a significant reduction in energy consumption. In certain applications, LED's will reduce energy consumption by up to 80%. The paybacks on LED replacements of commercial lighting are as short as 18-36 months, but will soon be in the 6-24 month range. The use of higher quality diodes combined with proprietary circuitry, electronics and quality assembly means that Lightsky's LEDs can achieve the 50,000- 60,000 hour rated life of an LED light.

Advantages of LED Lights

LEDs are better at placing light in a single direction than incandescent or fluorescent bulbs. Because of their directional output, they have unique features that can be exploited by clever designs. Waterproof, outdoor fixtures are also available. Some manufacturers consider applications such as gardens, walkways, and decorative fixtures to be the most cost-efficient. LED lights are more rugged and damage-resistant than compact fluorescents and incandescent bulbs. LED lights don't flicker.



Distribution of Lighting by Fixture & Property type

LED lighting is about to branch from color and niche lighting corners to widespread penetration of the white lighting market in the most prevalent applications. According to a DOE Study "Energy Savings Potential of Solid-State Lighting in General Illumination Applications 2010-2030", there are over **7 billion lamps of varying types in US buildings**. Table I breaks down these lamps by property classification and bulb type. Of these, over 2.2 billion are located in commercial and industrial facilities.

The total dollar value of replacing every Commercial and Industrial Fluorescent and HID lamp could approach \$600 billion. Lightsky will produce replacements for commonly used commercial fixtures that will meet or exceed the rated life of LED lighting. Furthermore, the Lightsky product will stand out by utility, quality and features that are not yet available in the marketplace. Such features include dimming capability, control functions and light color.

Key Strategic Business and Marketing Objectives

- > Focus on High ROI products with widest use in the Commercial, Industrial and Institutional sectors.
- Target customers where economics carry the day and where utility costs and incentives may be the highest such as corporations, hospitals and institutions where lighting and a good "green image" are important.
- Focus attention on larger customers who can undertake an ongoing LED roll-out over many years with large and continuous volumes.

TCS Manufacturing Segment and Distribution Business

In 2010, SunSi completed the acquisition of 90% of Zibo Baokai Commerce and Trade Co., Ltd. ("Baokai") a company located in Zibo City, China which owns the right to globally distribute all of the TCS production of Zibo Baoyun Chemical Plant ("ZBC"). As a result, Sunsi began generating revenues in December 2010.

In March 2011, SunSi acquired a 60% equity interest in Wendeng Hexie Silicon Industry Co., Ltd. ("Wendeng") a TCS production facility located in Weihai City, China. As a result of the acquisitions of Baokai and Wendeng, we currently control approximately 55,000 metric tons of TCS production.

TCS is the first product in the solar PV value chain before polysilicon, and is also the principal source of ultrapure silicon in the semiconductor industry. SunSi expects to be a key supplier to the US, European and emerging Chinese and Asian polysilicon producers for the world-wide solar energy markets. The demand for TCS has varied with solar cell production, and SunSi is well positioned to take advantage of projected increases in TCS production over the near to medium term.



Key Drivers of Future TCS Business

During late 2011 and throughout 2012 the world polysilicon industry has experiencing a major oversupply thus driving pricing and leading to a significant consolidation of the industry. SunSi is well positioned to emerge from this market situation believe opportunities will begin to materialize in late 2012 and into 2013 for the following reason

- China is the world's low cost producer of TCS –during a consolidation the low cost producer will gain the majority of market share.
- > Excellent management teams with many years of running TCS facilities.
- Existing base of billion dollar and other Tier I and Tier II polysilicon companies that have historically purchased high quality TCS from us.
- > Our TCS business in China has no debt and is solid liquidity wise despite difficult market conditions
- The Chinese government announced in 2010 that they intend to spend \$454 billion over the next ten years on alternative energy, and to affect a <u>Fivefold</u> increase in Chinese solar production by 2020. This commitment is still in place and will require production of TCS to fulfill this goal.

SunSi Corporate Profile

SunSi Energies Inc. currently trades on the OTCQB under the ticker symbol "SSIE." The Company has made an application to trade on the NASDAQ and expects to be on the NASDAQ during Q3 2012.

The Company is in its final stages of the listing process for the NASDAQ Capital Markets, progressing through the qualification process. As of July 2012, SunSi had in excess of 550 shareholders.

SunSi Corporate Structure



2012 and Recent Highlights

> Closed first acquisition of 90% of a TCS distribution company, Baokai, in December 2010.

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- Closed second transaction with the acquisition of a 60% equity interest in a TCS manufacturing company, Wendeng, in March 2011.
- > In 3Q11, emerged from development stage status to an operating entity.
- In 4Q11, began generating significant revenues and recorded the first profitable quarter in Company history.
- > In October 2011, initiated the up-listing process to NASDAQ CM-in late stages.
- > In August 2012, completed the acquisition of controlling interest of TPE.
- In August 2012, entered into exclusive distribution agreement to distribute LED lighting in North America for well-established and respected Chinese manufacturer of LED products.

SunSi Executive Team

<u>David Natan</u>, President and Director of SunSi Energies Inc. Mr. Natan was a CPA with Deloitte, and has more than thirty years' experience in accounting, finance, corporate operations, and executive level management. He has previously served as CFO/Treasurer of four public companies and as CFO of three private companies. During his tenure as CFO with one public company, it was ranked as a Forbes Magazine's "Top 50 Best Small Companies in America" for three consecutive years. Mr. Natan has participated in 18 merger and acquisition transactions. He has been instrumental in raising in excess of \$500 million of debt and equity capital on favorable terms and from a variety of funding sources. He holds a B.A. in Economics from Boston University and holds a Certified Public Accountant license (inactive) in the state of Florida.

<u>Richard St-Julien</u>, Director, Chairman, Secretary & Chief Legal Officer of SunSi Energies Inc. and President of SunSi Energies Hong Kong Limited. Mr. St-Julien holds a Bachelor of Law from the University of Ottawa. Since 1992, he has been a practicing attorney in the areas of Commercial and International Law and has been involved in numerous business ventures as entrepreneur in Canada, in the United States and China as well as in other countries. Additionally, he acts as a consultant to corporations for business ventures including international financing. Mr. St-Julien has held positions in various public companies such as secretary and member of the board of directors and officers.

Adrian Auman, Director. Mr. Auman has been Corporate Vice President Investor Relations and Special Projects at Orbotech Ltd., a NASDAQ traded Company since September 2008. From May 2006 to September 2008 he was Vice President for Finance and Investor Relations, prior to which he had, since January 2000, served as Director of Finance and Investor Relations and, from July 1997 to January 2000, as Director of Finance. He was financial controller of the Company from October 1992 to July 1997 and was the financial controller of Orbotech from 1988 until the Merger. Prior to joining Orbotech, he was an audit supervisor at Kesselman & Kesselman, independent registered public accountants in Israel, from 1986 to 1988 and a tax manager at Goldstein, Golub, Kessler & Co., certified public accountants, from 1979 to 1985. Adrian also serves on the Board of Directors of Terem, Ltd, an urgent health care company and Coreflow Ltd; a company provided air-floating solutions. He is a certified public accountant both in Israel and the United States and has a master's of science degree from Pace University in New York

<u>Kébir Ratnani</u>, Director. Mr. Ratnani has 30 years' in the natural gas, electricity, windmill, wastewater and water industries. He a Diploma in Management & Marketing from the Institute of Gas Technology in Chicago, USA and an M Sc. A. and a B.Sc. A. in Chemical Engineering from Laval University in Quebec, Canada. He negotiated project financing with organizations such as the World Bank, Asian Development Bank, and CIDA. In 1991, he directed the opening of the Natural Gas Technologies Centre, a research organization associated with Gaz Métropolitain, Gaz de France, Brooklyn Union Gas, and Osaka Gas. In 2000, he joined SNC-Lavalin International as Senior Vice-President responsible for Water, Energy and Infrastructure Projects in Africa, the Middle East and Latin America.

<u>David Vanderhorst</u>, Director. Mr. Vanderhorst has 24 years' of extensive experience in accounting, finance, corporate operations and executive level management of both public and private companies. In 2002 he served as CFO and Secretary of Taitron Components (Nasdaq: TAIT), a semiconductor distribution and engineering services company. Mr. Vanderhorst is a Certified Public Accountant (active) in California, receiving his professional certification in 1991 and B.A. in Accounting from the University of California at Santa Barbara in 1987.

<u>Jason Allen William</u>, CFO. Mr. Williams has financial and operational experience with publicly traded companies, most recently Protective Products of America, Inc., where he served as Vice President and Chief Financial Officer from 2008 to 2010. As Corporate Controller and Director of Reporting & Analysis from July 2002 to August 2007 at PharmaNet Development Group, Inc., a NASDAQ–listed company, he was an integral part of the management team that facilitated a tenfold increase in revenue and a market capitalization rise from \$150 million to \$800 million. His career experience includes positions at Patagon.com, Inc., vFinance, Inc. and BISYS Regulatory Services. He holds a Bachelor of Science from Florida Atlantic University.

<u>Yifeng Song</u>, VP Global Development. Mr. Song joins SunSi Energies endowed with a strong background that combines both business management and technology experience. While working as an international consultant, he has collaborated with some of the world's leading organizations in defining their enterprise strategy and operational plans, as well as implementing large transformational projects. He has a Bachelor in Electrical Engineering from the University of British Colombia. His expertise lies in energy-efficient and green technologies. Yifeng is fluent in English, French and Mandarin.

<u>Changming Chen</u>, Head Representative of SunSi in China. Mr. Chen is Chief Representative of China of SunSi Energies Hong Kong and brings over 38 years' of experience in foreign investment and trade administration in China. He has previously held various key positions within the Chinese government of Shandong, including being specifically responsible for overseeing foreign investments and projects in the Zibo region of the Shandong Province.

<u>Dr. Samuel Sami,</u> Director. Dr. Sami is Founder and CTA of TransPacific Energy, Inc. and President of ACME Energy Inc. He is an adjunct professor at American Allied University and spent 25 years as a Professor and Director of Research Centre for Energy Conversion, University of Moncton. He authored and co-authored over 185 published papers on Energy Conversion, Audit, Management, and refrigerant mixtures, HVAC& R, Heat Transfer and Heat Exchangers Design and green power production. He Sami holds 11 patents in the area of thermodynamics, energy management and conversion and green energy. Dr. Sami conducts research in the area of energy conversion, heat recovery and transfer, and behavior of thermal systems as well as new technologies for enhancing thermal systems performance. Dr. Sami has taught courses in the field of thermodynamics, energy and alternative energy sources and computer modeling/simulation of energy systems. He sits on the board of directors of many prestigious scientific journals as well as other well recognized industries and has over 25 years' of industrial experience in the alternative energy field.

Chinese Management Team at Wendeng

Wendeng benefits from the experience and technology expertise of Zhang Fahe. Mr. Zhang brings over 30 years' of experience in the Chinese chemical industry, 10 of which have been specifically focused on working with TCS. During that time, he has directly contributed to the development of advanced TCS production technologies by optimizing key technological processes. He has designed various TCS facilities, including the Wendeng facility.

Chinese Management Team at Baokai and ZBC

The production facility management team in China is led by Mr. Yihua Song. This team holds a combined work history of over 30 years with the organization. Stability and future growth are ensured by keeping this knowledgeable and experienced team in place to manage the day-to-day operations.



Wendeng Production Facility, Weihai City China

Forward-Looking Statements

Except for statements of historical fact, the matters discussed in this Executive Summary are forward-looking. "Forward-Looking Statements" describe future expectations, plans, results, or strategies and are generally preceded by words such as "future," "plan" or "planned," "expects," or "projected." These forward-looking statements reflect numerous assumptions and involve a variety of risks and uncertainties, many of which are beyond the company's control that may cause actual results to differ materially from stated expectations. Some of the factors that could cause actual results to differ materially from the forward-looking statements are detailed in documents we file from time to time with the Securities and Exchange Commission, which are available at www.sec.gov.