

Canadian Solar Inc.  
Form 20-F  
April 20, 2016

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**Form 20-F**

(Mark One)

**REGISTRATION STATEMENT PURSUANT TO SECTION 12(b) OR 12(g) OF THE SECURITIES EXCHANGE ACT OF 1934**

**OR**

**ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**  
**For the fiscal year ended December 31, 2015**

**OR**

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**  
**For the transition period from** \_\_\_\_\_ **to** \_\_\_\_\_

**OR**

**SHELL COMPANY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**  
**Date of event requiring this shell company report**

**Commission file number: 001-33107**

**CANADIAN SOLAR INC.**

*(Exact name of Registrant as specified in its charter)*

N/A

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*(Translation of Registrant's name into English)*

**Canada**

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*(Jurisdiction of incorporation or organization)*

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545 Speedvale Avenue West  
Guelph, Ontario, Canada N1K 1E6

(Address of principal executive offices)

Michael G. Potter, Chief Financial Officer  
545 Speedvale Avenue West  
Guelph, Ontario, Canada N1K 1E6  
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(Name, Telephone, E-mail and/or Facsimile number and Address of Company Contact Person)

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

| Title of Each Class             | Name of Each Exchange on Which Registered                        |
|---------------------------------|--|
| Common shares with no par value | The NASDAQ Stock Market LLC<br>(The NASDAQ Global Select Market) |

Securities registered or to be registered pursuant to Section 12(g) of the Act:

None

(Title of Class)

Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act:

None

(Title of Class)

Indicate the number of outstanding shares of each of the issuer's classes of capital or common stock as of the close of the period covered by the annual report.

55,965,443 common shares issued and outstanding which were not subject to restrictions on voting, dividend rights and transferability, as of December 31, 2015.

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

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934. Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 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 whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing: U.S. GAAP

International Financial Reporting Standards as issued by the International Accounting Standards Board  Other

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If "Other" has been checked in response to the previous question, indicate by check mark which financial statement item the registrant has elected to follow. Item 17  Item 18

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

(APPLICABLE ONLY TO ISSUERS INVOLVED IN BANKRUPTCY PROCEEDINGS DURING THE PAST FIVE YEARS)

Indicate by check mark whether the registrant has filed all documents and reports required to be filed by Sections 12, 13 or 15(d) of the Securities Exchange Act of 1934 subsequent to the distribution of securities under a plan confirmed by a court. Yes  No

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**INTRODUCTION**

Unless otherwise indicated, references in this annual report on Form 20-F to:

"CSI," "we," "us," "our company" and "our" are to Canadian Solar Inc., a Canadian company, its predecessor entities and its consolidated subsidiaries;

"\$," "US\$" and "U.S. dollars" are to the legal currency of the United States of America, or U.S.;

"RMB" and "Renminbi" are to the legal currency of China;

"C\$" and "Canadian dollars" are to the legal currency of Canada;

"€" and "Euro" are to the legal currency of the Economic and Monetary Union of the European Union;

"£" and "British pounds" are to the legal currency of the United Kingdom;

"¥," "JPY" and "Japanese yen" are to the legal currency of Japan;

"W," "kW," "MW" and "GW" are to watts, kilowatts, megawatts and gigawatts, respectively;

"AC" and "DC" are to alternating current and direct current, respectively;

"PV" is to photovoltaic. The photovoltaic effect is a process by which sunlight is converted into electricity;

"EPC" is to engineering, procurement and construction;

"O&M services" is to operation and maintenance services;

"shares" and "common shares" are to common shares, with no par value, of Canadian Solar Inc.;

"China" and the "PRC" are to the People's Republic of China, excluding, for the purposes of this annual report on Form 20-F, Taiwan and the special administrative regions of Hong Kong and Macau; and

"EU" refers to the European Union.

This annual report on Form 20-F includes our audited consolidated financial statements for the years ended December 31, 2013, 2014 and 2015 and as of December 31, 2014 and 2015.

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We use the noon buying rate in The City of New York for cable transfers in Renminbi, Euros, British pounds, Japanese yen and Canadian dollars per U.S. dollar as certified for customs purposes by the Federal Reserve Bank of New York to translate Renminbi, Euros, British pounds, Japanese yen and Canadian dollars to U.S. dollars not otherwise recorded in our consolidated financial statements and included elsewhere in this annual report. Unless otherwise stated, the translation of Renminbi, Euros, British pounds, Japanese yen and Canadian dollars into U.S. dollars was made by the noon buying rate in effect on December 31, 2015, which was RMB6.4778 to \$1.00, €0.9209 to \$1.00, £0.6782 to \$1.00, ¥120.27 to \$1.00 and C\$1.3839 to \$1.00. We make no representation that the Renminbi, Euro, British pounds, Japanese yen, Canadian dollar or U.S. dollar amounts referred to in this annual report on Form 20-F could have been or could be converted into U.S. dollars, Euros, British pounds, Japanese yen, Canadian dollars or Renminbi, as the case may be, at any particular rate or at all. See "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Fluctuations in exchange rates could adversely affect our business, including our financial condition and results of operations."

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**FORWARD-LOOKING INFORMATION**

This annual report on Form 20-F contains forward-looking statements that relate to future events, including our future operating results, our prospects and our future financial performance and condition, results of operations, business strategy and financial needs, all of which are largely based on our current expectations and projections. These forward-looking statements are made under the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. You can identify these statements by terminology such as "may," "will," "expect," "anticipate," "future," "intend," "plan," "believe," "estimate," "is/are likely to" or similar expressions. Forward-looking statements involve inherent risks and uncertainties. These forward-looking statements include, among other things, statements relating to:

our expectations regarding the worldwide demand for electricity and the market for solar power;

our beliefs regarding the importance of environmentally friendly power generation;

our expectations regarding governmental support for solar power;

our beliefs regarding the rate at which solar power technologies will be adopted and the continued growth of the solar power industry;

our beliefs regarding the competitiveness of our solar power products and services;

our expectations with respect to increased revenue growth and improved profitability;

our expectations regarding the benefits to be derived from our supply chain management and vertical integration manufacturing strategy;

our ability to continue developing our in-house solar components production capabilities and our expectations regarding the timing and production capacity of our internal manufacturing programs;

our ability to secure adequate volumes of silicon, solar wafers and cells at competitive cost to support our solar module production;

our beliefs regarding the effects of environmental regulation;

our future business development, results of operations and financial condition;

competition from other manufacturers of solar power products and conventional energy suppliers;

our ability to expand our products and services and to successfully grow our energy development and electricity generation segments;

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our ability to develop, build and sell solar power projects in Canada, the U.S., Japan, China, Brazil, the United Kingdom and elsewhere; and

our beliefs with respect to the outcome of the investigations and litigation to which we are a party.

Known and unknown risks, uncertainties and other factors may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by forward-looking statements. See "Item 3. Key Information D. Risk Factors" for a discussion of some of the risk factors that may affect our business and results of operations. These risks are not exhaustive. Other sections of this annual report may include additional factors that could adversely influence our business and financial performance. Moreover, because we operate in an emerging and evolving industry, new risk factors may emerge from time to time. We cannot predict all risk factors, nor can we assess the impact of all or any of these factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those expressed or implied in any forward-looking statement. We do not undertake any obligation to update or revise the forward-looking statements except as required under applicable law.



Table of Contents**PART I****ITEM 1. IDENTITY OF DIRECTORS, SENIOR MANAGEMENT AND ADVISERS**

Not applicable.

**ITEM 2. OFFER STATISTICS AND EXPECTED TIMETABLE**

Not applicable.

**ITEM 3. KEY INFORMATION****A. Selected Financial Data****Selected Consolidated Financial and Operating Data**

The following selected statement of operations data for the years ended December 31, 2013, 2014 and 2015 and balance sheet data as of December 31, 2014 and 2015 have been derived from our consolidated financial statements, which are included elsewhere in this annual report on Form 20-F. You should read the selected consolidated financial and operating data in conjunction with those financial statements and the related notes and "Item 5. Operating and Financial Review and Prospects" included elsewhere in this annual report on Form 20-F.

Our selected consolidated statement of operations data for the years ended December 31, 2011 and 2012 and our consolidated balance sheet data as of December 31, 2011, 2012 and 2013 were derived from our consolidated financial statements that are not included in this annual report.

All of our financial statements are prepared and presented in accordance with U.S. generally accepted accounting principles, or U.S. GAAP. Our historical results are not necessarily indicative of results for any future periods.

|   | For the years ended, or as of, December 31,   |            |            |            |            |
|---|---|------------|------------|------------|------------|
|   | 2011  | 2012       | 2013       | 2014       | 2015       |
|   | (In thousands of \$, except share and per share data, and operating data and percentages) |            |            |            |            |
| <b>Statement of operations data:</b>                  |   |            |            |            |            |
| Net revenues  | 1,898,922   | 1,294,829  | 1,654,356  | 2,960,627  | 3,467,626  |
| Income (loss) from operations                         | 6,833   | (142,516)  | 130,816    | 366,314    | 247,371    |
| Net income (loss)                                     | (90,903)  | (195,155)  | 45,565     | 243,887    | 173,316    |
| Net income (loss) attributable to Canadian Solar Inc. | (90,804)  | (195,469)  | 31,659     | 239,502    | 171,861    |
| Earnings (loss) per share, basic                      | (2.11)  | (4.53)     | 0.68       | 4.40       | 3.08       |
| Shares used in computation, basic                     | 43,076,489  | 43,190,778 | 46,306,739 | 54,408,037 | 55,728,903 |
| Earnings (loss) per share, diluted                    | (2.11)  | (4.53)     | 0.63       | 4.11       | 2.93       |
| Shares used in computation, diluted                   | 43,076,489  | 43,190,778 | 50,388,284 | 59,354,615 | 60,426,056 |
| <b>Other financial data:</b>                          |   |            |            |            |            |
| Gross margin  | 9.6%  | 7.0%       | 16.7%      | 19.6%      | 16.6%      |
| Operating margin                                      | 0.4%  | (11.0)%    | 7.9%       | 12.4%      | 7.1%       |
| Net margin  | (4.8)%  | (15.1)%    | 2.8%       | 8.2%       | 5.0%       |

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|   | For the years ended, or as of, December 31,   |                |                |                |                |
|---|---|----------------|----------------|----------------|----------------|
|   | 2011  | 2012           | 2013           | 2014           | 2015           |
|   | (In thousands of \$, except share and per share data, and operating data and percentages) |                |                |                |                |
| <b>Selected operating data:</b>                                       |   |                |                |                |                |
| Solar power products sold (in MW)                                     |   |                |                |                |                |
| Module segment <sup>(1)</sup>   | 1,291.5   | 1,528.9        | 1,809.0        | 2,436.4        | 4,085.0        |
| Energy development and electricity generation segments <sup>(2)</sup> | 31.0  | 14.2           | 85.0           | 376.2          | 298.8          |
| <b>Total</b>  | <b>1,322.5</b>  | <b>1,543.1</b> | <b>1,894.0</b> | <b>2,812.6</b> | <b>4,383.8</b> |
| Average selling price (in \$ per watt)                                |   |                |                |                |                |
| Solar module  | 1.34  | 0.77           | 0.67           | 0.67           | 0.58           |
| <b>Balance Sheet Data:</b>  |   |                |                |                |                |
| Net current assets (liabilities)                                      | 59,131  | (98,046)       | (59,003)       | 366,621        | (392,231)      |
| Total assets  | 1,879,809   | 2,259,313      | 2,453,735      | 3,072,424      | 4,417,254      |
| Net assets  | 466,978   | 301,583        | 401,498        | 729,574        | 832,510        |
| Long-term borrowings  | 88,249  | 214,563        | 151,392        | 134,300        | 606,577        |
| Convertible notes   | 950   |                |                | 150,000        | 150,000        |
| Common shares   | 502,403   | 502,562        | 561,242        | 675,236        | 677,103        |
| Number of shares outstanding  | 43,155,767  | 43,242,426     | 51,034,343     | 55,161,856     | 55,965,443     |

- (1) Numbers are calculated after inter-segmentation elimination and represent solar power products sold to third parties.
- (2) Numbers are calculated after inter-segmentation elimination.

**B. Capitalization and Indebtedness**

Not applicable.

**C. Reasons for the Offer and Use of Proceeds**

Not applicable.

**D. Risk Factors****Risks Related to Our Company and Our Industry**

*We may be adversely affected by volatile solar power market and industry conditions; in particular, the demand for our solar power products and services may decline, which may reduce our revenues and earnings.*

Our business is affected by conditions in the solar power market and industry. In 2010, as the effects of the global financial crisis subsided, demand for solar power products increased and many manufacturers increased their production capacity accordingly. In 2011, a decrease in payments to solar power producers in the form of feed-in tariffs and other reimbursements, a reduction in available financing and an excess supply of solar modules worldwide put severe downward pressure on solar module prices in European and other markets. As a result, many solar power project developers, solar system installers and solar power product distributors that purchase solar power products, including solar modules from manufacturers like us, were adversely affected and their financial condition weakened. Although our shipments of solar modules increased year-over-year in 2013, 2014 and 2015, average selling prices for our solar modules declined. Over the past several quarters, oversupply conditions across the value chain, difficult economic conditions in Europe and foreign trade disputes in the U.S., Europe, India and

China have affected industry-wide demand and put pressure on average

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selling prices, resulting in lower revenue for many industry participants. If the supply of solar modules grows faster than demand, and if governments continue to reduce financial support for the solar industry and impose trade barriers, demand for our products, as well as our average selling price, could be materially and adversely affected.

The solar power market is still at a relatively early stage of development and future demand for solar power products and services is uncertain. Market data for the solar power industry is not as readily available as for more established industries, where trends are more reliably assessed from data gathered over a longer period of time. In addition, demand for solar power products and services in our targeted markets, including Europe, the U.S., Japan, China, Canada, Brazil and India may not develop or may develop to a lesser extent than we anticipate. Many factors may affect the viability of solar power technology and the demand for solar power products, including:

the cost-effectiveness, performance and reliability of solar power products and services, including our solar power projects, compared to conventional and other renewable energy sources and products and services;

the availability of government subsidies and incentives to support the development of the solar power industry;

the availability and cost of capital, including long-term debt and tax equity, for solar power projects;

the success of other alternative energy technologies, such as wind power, hydroelectric power, geothermal power and biomass fuel;

fluctuations in economic and market conditions that affect the viability of conventional and other renewable energy sources, such as increases or decreases in the prices of oil, gas and other fossil fuels;

capital expenditures by end users of solar power products and services, which tend to decrease when the economy slows; and

the availability of favorable regulation for solar power within the electric power industry and the broader energy industry.

If solar power technology is not suitable for widespread adoption or if sufficient demand for solar power products and services does not develop or takes longer to develop than we anticipate, our revenues may suffer and we may be unable to sustain our profitability. Demand in Europe generally remains weak as a result of reductions in feed-in-tariffs in Germany and the elimination of feed-in-tariffs in Italy, the two largest European markets over the past several years. Although demand in other regions, including China, Japan, the U.S. and India, as well as many other emerging markets in Asia, the Middle East and Africa, has offset the decline in European demand, we cannot assure you that this demand will be sustainable or that any recent positive trends in supply or demand balance will persist.

***We are preparing to potentially form a global Yieldco investment vehicle for our solar power business. If the formation of Yieldco or our management of Yieldco is not successful, our future growth and results of operations may be materially hindered.***

We are preparing to potentially form a globally diversified, dividend growth-oriented partnership, or Yieldco, to own, operate and acquire long-term contracted renewable energy generation assets with consistent cash flows in attractive markets. If successful, we expect to own a general partner interest in Yieldco and offer economic interests to public shareholders. The cash produced from projects owned by the operating subsidiaries of Yieldco will be distributed up to Yieldco, which will in turn distribute the cash to Yieldco's public shareholders and, in certain circumstances, to us. Yieldco's strategy is to rapidly expand and diversify its portfolio of assets by acquiring, from us and unaffiliated third parties,

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utility-scale solar projects and commercial and industrial distributed solar energy assets, as well as other renewable energy generation assets equipped with proven and reliable technologies. We expect that Yieldco's initial target markets will be Canada, Japan, Spain, the United Kingdom and the United States, and other select markets, primarily within the member countries of Organization for Economic Cooperation and Development, or OECD countries.

Yieldco would have a right of first offer with respect to certain solar power projects developed by us and we expect that it will grow its portfolio through acquiring these projects, as well as acquiring other solar power and renewable energy projects from third parties. We are expected to continue to provide Yieldco with the opportunity to acquire additional qualifying projects, subject to certain conditions. In November 2015, we confidentially submitted a draft registration statement on Form S-1 to the Securities and Exchange Commission, or the SEC, relating to the proposed initial public offering of Yieldco, or the Yieldco IPO. We expect to launch the Yieldco IPO subject to market and other conditions.

While we intend to complete the Yieldco IPO, the offering may be significantly delayed or may not take place at all because of legal, accounting, commercial or marketing risks and considerations. We remain flexible on whether and when to launch Yieldco and our management constantly monitors the market conditions and evaluates other strategic alternatives to Yieldco. If the Yieldco IPO is not successful, we may not be able to recuperate the financial and human resources we have invested in the formation of Yieldco and our growth strategy for our solar power business may be disrupted, which would adversely affect our results of operation and distract our management from the operation of our company's other businesses. In the event the market condition for the proposed Yieldco IPO remains unfavorable, we may consider selling stakes in our Yieldco projects and/or selling entire projects to third parties. In addition, we have no experience in operating or managing Yieldcos. If the Yieldco IPO is completed, we, as the sponsor of Yieldco, may not succeed in delivering satisfactory results to us or the public shareholders of Yieldco, in which case the stock price of Yieldco may fall, which could in turn materially affect our financial conditions and results of operations.

***The execution of our growth strategy depends upon the continued availability of third-party financing arrangements for our customers, which is affected by general economic conditions. Tight credit markets could depress demand or prices for solar power products and services, hamper our expansion and materially affect our results of operations.***

Most solar power projects, including our own, require financing for development and construction with a mixture of equity and third party funding. The cost of capital affects both the demand and price of solar power systems. A high cost of capital may materially reduce the internal rate of return for solar power projects and therefore put downward pressure on the prices of both solar systems and solar modules, which typically comprise a major part of the cost of solar power projects.

Furthermore, solar power projects compete for capital with other forms of fixed income investments such as government and corporate bonds. Some classes of investors compare the returns of solar power projects with bond yields and expect a similar or higher internal rate of return, adjusted for risk and liquidity. Higher interest rates could increase the cost of existing funding and present an obstacle for potential funding that would otherwise spur the growth of the solar power industry. In addition, higher bond yields could result in increased yield expectations for solar power projects, which would result in lower system prices. In the event that suitable funding is unavailable, our customers may be unable to pay for products they have agreed to purchase. It may also be difficult to collect payments from customers facing liquidity challenges due to either customer defaults or financial institution defaults on project loans. Constricted credit markets may impede our expansion and materially and adversely affect our results of operations. Concerns about government deficits and debt in the EU have increased bond spreads in certain solar markets, such as Greece, Spain, Italy and Portugal. The cash flow of a solar power project is often derived from government-funded or

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government-backed feed-in tariffs. Consequently, the availability and cost of funding solar power projects is determined in part based on the perceived sovereign credit risk of the country where a particular project is located. Therefore, credit agency downgrades of nations in the EU or elsewhere could decrease the credit available for solar power projects, increase the expected rate of return compared to bond yields, and increase the cost of debt financing for solar power projects in countries with a higher perceived sovereign credit risk.

In light of the uncertainty in the global credit and lending environment, we cannot make assurances that financial institutions will continue to offer funding to solar power project developers at reasonable costs. An increase in interest rates or a decrease in funding of capital projects within the global financial market could make it difficult to fund solar power systems and potentially reduce the demand for solar modules and/or reduce the average selling prices for solar modules, which may materially and adversely affect our business, results of operations, financial condition and prospects.

***Our future success depends partly on our ability to expand the pipeline of our energy development and electricity generation segments in several key markets, which exposes us to a number of risks and uncertainties.***

Historically, our module segment has accounted for the majority of our net revenues, including 80.4%, 59.0% and 71.8% in 2013, 2014 and 2015, respectively. However, we have, in recent years, increased our investment in, and management attention on, (a) our energy development segment, which consists primarily of solar power project development, EPC services and O&M services, and (b) our electricity generation segment, which consists primarily of holding solar power plants for the purpose of generating and selling electricity to local and national grids.

In the future, we intend to grow our energy development and electricity generation segments by holding and operating more solar projects, including both those that we develop and those we acquire from third-parties. As we do, we will be increasingly exposed to the risks associated with these businesses. Further, our future success largely depends on our ability to expand our solar power project pipeline. The risks and uncertainties associated with our energy development and electricity generation segments, and our ability to expand our solar power project pipeline include:

the uncertainty of being able to sell the projects, receive full payment for them upon completion, or receive payment in a timely manner;

the need to raise significant additional funds to develop greenfield or purchase late-stage solar power projects, which we may be unable to obtain on commercially reasonable terms or at all;

delays and cost overruns as a result of a number of factors, many of which are beyond our control, including delays in regulatory approvals, construction, grid-connection and customer acceptance testing;

delays or denial of required regulatory approvals by relevant government authorities;

diversion of significant management attention and other resources; and

failure to execute our project pipeline expansion plan effectively.

If we are unable to successfully expand our energy development and electricity generation segments, and, in particular, our solar power project pipeline, we may be unable to expand our business, maintain our competitive position, improve our profitability and generate cash flows.

***Governments may revise, reduce or eliminate subsidies and economic incentives for solar energy, which could cause demand for our products to decline.***

The market for on-grid applications, where solar power supplements the electricity a customer purchases from the utility network or sells to a utility under a feed-in tariff, depends largely on the availability and size of government subsidy programs and economic incentives. At present, the cost of



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solar power exceeds retail electricity rates in many locations. Government incentives vary by geographic market. Governments in many countries, most notably Germany, Italy, the Czech Republic, the U.S., Japan, Canada (Ontario), South Korea, India, France, Australia and the United Kingdom, have provided incentives in the form of feed-in tariffs, rebates, tax credits, renewable portfolio standards and other incentives. These governments have implemented mandates to end-users, distributors, system integrators and manufacturers of solar power products to promote the use of solar energy in on-grid applications and to reduce dependency on other forms of energy. Some of these government mandates and economic incentives have been or are scheduled to be reduced or eliminated altogether. It is likely that this trend will continue, possibly until subsidies for solar energy are phased out completely.

While solar power projects may continue to offer attractive internal rates of return, it is unlikely internal rates of return will be as high as they were in the past. If internal rates of return fall below an acceptable rate for project investors, and governments continue to reduce or eliminate subsidies, this may cause a decrease in demand and considerable downward pressure on solar systems and therefore negatively impact both solar module prices and the value of our solar power projects. The reduction, modification or elimination of government mandates and economic incentives in one or more of our markets could therefore materially and adversely affect the growth of such markets or result in increased price competition, either of which could cause our revenues to decline and harm our financial results.

***General global economic conditions may have an adverse impact on our operating performance and results of operations.***

The demand for solar power products and services is influenced by macroeconomic factors, such as global economic conditions, demand for electricity, supply and prices of other energy products, such as oil, coal and natural gas, as well as government regulations and policies concerning the electric utility industry, the solar and other alternative energy industries and the environment. As a result of global economic conditions, some governments may implement measures that reduce the feed-in tariffs and other subsidies designed to benefit the solar industry. During 2013, 2014 and 2015, a decrease in solar power tariffs in many markets placed downward pressure on the price of solar systems in most regions. In addition, reductions in oil and coal prices may reduce the demand for and the prices of solar power products and services. For instance, in recent months, oil prices globally have experienced high volatility and, at points, have recorded historical lows. We cannot assure you that such volatility and significant reductions in the global price of oil will not have a material adverse effect on the demand for and prices of our products. Our growth and profitability depend on the demand for and the prices of solar power products and services. If these negative market and industry trends continue and demand for solar power projects and solar power products and services weakens as a result, our business and results of operations may be adversely affected.

***Imposition of anti-dumping and countervailing duty orders or safeguard measures in one or more markets may result in additional costs to our customers, which could materially or adversely affect our business, results of operations, financial conditions and future prospects.***

We have been in the past, and may be in the future, subject to the imposition of anti-dumping and countervailing duty orders in one or more of the markets in which we sell our products. In particular, we have been subject to the imposition of anti-dumping and countervailing duty orders in the U.S., the EU and Canada and have, as a result, been party to lengthy proceedings related thereto. See "Item 8. Financial Information A. Consolidated Statements and Other Financial Information Legal and Administrative Proceedings." The U.S., EU and Canada are important markets for us. Ongoing proceedings relating to, and the imposition of any new, anti-dumping and countervailing duty orders or safeguard measures in these markets may result in additional costs to us and/or our customers, which may materially and adversely affect our business, results of operations, financial conditions and future prospects.



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*Our project development and construction activities may not be successful, projects under development may not receive required permits, property rights, power purchase agreements, or PPAs, interconnection and transmission arrangements, and financing or construction of projects may not commence or continue as scheduled, all of which could increase our costs, delay or cancel a project, and have a material adverse effect on our revenue and profitability.*

The development and construction of solar power projects involve known and unknown risks. We may be required to invest significant amounts of money for land and interconnection rights, preliminary engineering, permitting, legal and other expenses before we can determine whether a project is feasible. Success in developing a particular project is contingent upon, among other things:

securing land rights and related permits, including satisfactory environmental assessments;

receipt of required land use and construction permits and approvals;

receipt of rights to interconnect to the electric grid;

availability of transmission capacity, potential upgrade costs to the transmission grid and other system constraints;

payment of interconnection and other deposits (some of which are non-refundable);

negotiation of satisfactory EPC agreements; and

obtaining construction financing, including debt, equity and tax credits.

In addition, successful completion of a particular project may be adversely affected by numerous factors, including:

delays in obtaining and maintaining required governmental permits and approvals;

potential challenges from local residents, environmental organizations, and others who may not support the project;

unforeseen engineering problems; subsurface land conditions; construction delays; cost over-runs; labor, equipment and materials supply shortages or disruptions (including labor strikes);

additional complexities when conducting project development or construction activities in foreign jurisdictions, including compliance with the U.S. Foreign Corrupt Practices Act and other applicable local laws and customs; and

force majeure events, including adverse weather conditions and other events beyond our control.

If we are unable to complete the development of a solar power project or we fail to meet any agreed upon system-level capacity or energy output guarantees or warranties (including 25 year power output performance guarantees) or other contract terms, or our projects cause grid interference or other damage, the EPC or other agreements related to the project may be terminated and/or we may be subject to significant damages, penalties and other obligations relating to the project, including obligations to repair, replace or supplement materials for the project.

We may enter into fixed-price EPC agreements in which we act as the general contractor for our customers in connection with the installation of their solar power systems. All essential costs are estimated at the time of entering into the EPC agreement for a particular project,

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and these costs are reflected in the overall fixed price that we charge our customers for the project. These cost estimates are preliminary and may or may not be covered by contracts between us and the subcontractors, suppliers and other parties involved in the project. In addition, we require qualified, licensed subcontractors to install most of our solar power systems. Shortages of skilled labor could significantly delay a project or otherwise increase our costs. Should miscalculations in planning a project occur, including those due to unexpected increases in commodity prices or labor costs, or delays in execution

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occur and we are unable to increase the EPC sales price commensurately, we may not achieve our expected margins or our results of operations may be adversely affected.

***Developing solar power projects exposes us to different risks than producing solar modules.***

In recent years, we have placed a greater focus on our energy development segment, which includes the development of solar power projects. These projects can take many months or years to complete and may be delayed for reasons beyond our control. They often require us to make significant up-front payments for, among other things, land rights and permitting in advance of commencing construction, and revenue from these projects may not be recognized for several additional months following contract signing. Any inability or significant delays in entering into sales contracts with customers after making such up-front payments could adversely affect our business and results of operations. Furthermore, we may become constrained in our ability to simultaneously fund our other business operations and the investment in these projects.

In contrast to developing solar modules, developing solar power projects requires more management attention to negotiate the terms of our engagement and monitor the progress of the projects which may divert management's attention from other matters. Our revenue and liquidity may be adversely affected to the extent the market for solar power projects weakens or we are not able to successfully complete the customer acceptance testing due to technical difficulties, equipment failure, or adverse weather, and we are unable to sell our solar power projects at prices and on terms and timing that are acceptable to us.

***We have a limited history operating our electricity generation segment as an independent power producer, or IPP, and may not be successful in growing this segment.***

In recent years, we have started operating as an IPP and increasing our investment in our electricity generation segment. Our electricity generation segment consists primarily of holding solar power projects for the purpose of generating and selling electricity to the local or national grid or other power purchasers. As an IPP, we are subject to a variety of risks associated with intense market competition, changing regulations and policies, insufficient demand for solar power, technological advancements and the failure of our power generation facilities.

We face competition from conventional and other renewable energy companies. The solar and renewable energy power industry is highly competitive and continually evolving as market participants strive to distinguish themselves within their markets and compete with large incumbent utilities and new market entrants. See " Because the markets in which we compete are highly competitive and quickly evolving, because many of our competitors have greater resources than we do or are more adaptive, and because we have a limited track record in our energy development and electricity generation segments, we may not be able to compete successfully and we may not be able to maintain or increase our market share."

The market for electricity generation in the areas where we operate our electricity generation segment is heavily influenced by national, regional and local regulations and policies concerning the electric utility industry. See " We are subject to numerous laws and regulations at the national, regional and local levels of government in the areas where we do business. Any changes to these regulations and policies may present technical, regulatory and economic barriers to the purchase and use of solar power products, solar projects and solar electricity, which may significantly reduce demand for our products and services or otherwise adversely affect our financial performance."

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The solar power market is still at a relatively early stage of development and future demand for solar power is uncertain. Market data for the solar power industry is not as readily available as for more established industries, where trends are more reliably assessed from data gathered over a longer period of time. In addition, demand for solar power in our targeted markets, including the United States, Japan, Canada, Spain and the United Kingdom, may not develop or may develop to a lesser extent than we anticipate.

The electricity industry is undergoing a transformative change. Technological advancements such as energy storage and distributed generation may change the nature of energy generation and delivery. These changes may materially affect our business model as an IPP and our ability to compete with new energy generation and delivery business models. In addition, our power generation facilities may require periodic upgrading and improvement. Any unexpected operational or mechanical failure, including failure associated with breakdowns and forced outages, and any decreased operational or management performance, could reduce our facilities' generating capacity below expected levels, thereby reducing our revenues.

***We may not be able to enter into PPAs or face delays in entering into PPAs or may not be able to replace expiring PPAs with contracts on similar terms.***

We may not be able to enter into PPAs for our solar power projects due to intense competition, increased supply of electricity from other sources, reduction in retail electricity price or other factors. There is a limited pool of potential buyers for electricity generated by our solar power plants since the transmission and distribution of electricity is either monopolized or highly concentrated in most jurisdictions. The willingness of buyers to purchase electricity from an IPP may be based on a number of factors and not solely on pricing and surety of supply. If we cannot enter into PPAs on terms favorable to us, or at all, it would negatively impact our revenue and our decisions regarding the development of additional power plants.

Generally, to the extent offtakers are not required to acquire the output from our solar power projects under tariff regulations, renewable portfolio standards or other arrangements, the decision by an end user to buy energy from our solar power projects is primarily driven by a deficit of available energy in such markets and the availability of domestic resources to meet those needs in a timely fashion. The end user's decision may also be affected by the cost of other conventional and alternative energy sources. Decreases in the retail prices of electricity supplied by utilities or other alternative energy sources could harm our ability to offer competitive pricing and to sign new customers. An increase in the availability of electricity or reduction in retail electricity prices in our target markets would make the purchase of solar energy less economically attractive. If the availability of energy were to increase or the price of electricity were to decrease in the markets in which we operate, we would be at a competitive disadvantage, we may be unable to attract new customers for our electricity generation segment and its growth may be limited.

We may experience delays in entering into PPAs for some of our solar power projects or may not be able to replace an expiring PPA with a contract on equivalent terms and conditions, or otherwise at prices that permit operation of the related facility on a profitable basis. Any delay in entering into PPAs may adversely affect our ability to enjoy the cash flows generated by such projects. If we are unable to replace an expiring PPA with an acceptable new PPA, the affected site may temporarily or permanently cease operations, which could materially and adversely affect our electricity generation segment, our financial condition, results of operations and cash flows.

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***Counterparties to our PPAs may not fulfill their obligations, which could result in a material adverse impact on our business, financial condition, results of operations and cash flows.***

Substantially all of the electric power generated by our solar power projects will be sold under long-term PPAs with public utilities, licensed suppliers or commercial, industrial or government end users and we expect our future projects will also have long-term PPAs or similar offtake arrangements such as tariff programs. If, for any reason, any of the purchasers of power under these contracts are unable or unwilling to fulfill their related contractual obligations or if they refuse to accept delivery of power delivered thereunder or if they otherwise terminate such agreements prior to the expiration thereof, our assets, liabilities, business, financial condition, results of operations and cash flows could be materially and adversely affected. Further, to the extent any of our power purchasers are, or are controlled by, governmental entities, our facilities may be subject to legislative or other political action that may impair their contractual performance or contain contractual remedies that do not provide adequate compensation in the event a counterparty defaults.

***Our PPAs and project-level financing arrangements may contain price adjustment, termination, buy-out, acceleration or other clauses that could materially and adversely affect our electricity generation segment, our financial condition, results of operations and cash flows.***

Some of our PPAs are subject to price adjustments over time. If the price under any of our PPAs is reduced below a level that makes a project economically viable, our electricity generation segment, financial conditions, cash flow and results of operations could be materially and adversely affected. Further, some of our long-term PPAs do not include inflation-based price increases. To the extent that the countries in which we conduct our business experience high rates of inflation, thereby increasing our operating costs in those countries, we may not be able to generate sufficient revenues to offset the effects of inflation.

Certain of the PPAs for our projects and those for projects that we have acquired and may acquire in the future contain or may contain provisions that allow the offtake purchaser to terminate or buy out the project or require us to pay liquidated damages upon the occurrence of certain events. In addition, certain of our project financing arrangements provide for acceleration upon the occurrence of such events. If these provisions are exercised, our electricity generation segment, financial condition, results of operations and cash flows could be materially and adversely affected. Additionally, certain of the project-level financing arrangements for projects allow, and certain of the projects that we may acquire in the future may allow, the lenders or investors to accelerate the repayment of the financing arrangement in the event that a PPA is terminated or if certain operating thresholds or performance measures are not achieved within specified time periods. We are therefore subject to the risk of lender or investor termination based on such criteria.

Certain of our PPAs and project-level financing arrangements include, and in the future may include, provisions that would permit the counterparty to terminate the contract or accelerate maturity in the event we own, directly or indirectly, less than 50% of the combined voting power or, in some cases, if we cease to be the majority owner, directly or indirectly, of the applicable project subsidiary. Generally, these provisions are, or will be, triggered in the event that we own, directly or indirectly, less than 50% of the combined voting power or, in some cases, cease to be the majority owner, directly or indirectly, of the applicable project subsidiary. As a result, if we cease to control or, in some cases, to be the majority owner of the project subsidiary, the counterparties could terminate the PPAs or accelerate the maturity of the financing arrangements. The termination of any of our PPAs or the acceleration of the maturity of any of our financing arrangements as a result of a change-in-control event could have a material adverse effect on our electricity generation segment, its financial condition, results of operations and cash flows.

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***If the supply of solar wafers and cells increases in line with increases in the supply of polysilicon, then the corresponding oversupply of solar cells and modules may cause substantial downward pressure on the prices of our products and reduce our revenues and earnings.***

Silicon production capacity has expanded rapidly in recent years. As a result of this expansion, coupled with the global economic downturn, the solar industry has experienced an oversupply of high-purity silicon since the beginning of 2009. This has contributed to an oversupply of solar wafers, cells and modules and resulted in substantial downward pressure on prices throughout the value chain. Demand for solar power products remained soft through 2012 but began to pick up in the second half of 2013, and continued to grow in 2014 and 2015. The average selling price of our solar modules decreased from \$1.34 per watt in 2011 to \$0.77 per watt in 2012, \$0.67 per watt in 2013 and 2014 and \$0.58 per watt in 2015, in large part because the increase in the supply of solar cells and modules was greater than the increase in the demand, thereby putting pressure on solar power products across all stages of the value chain. As a result of the decline in the selling prices of our solar modules, our revenue declined in 2012, even though our solar module shipment volume for the year increased. In addition, because solar module selling prices declined at a rapid rate, we suffered losses in the form of inventory write-downs, as the market price of solar modules consistently fell below the carrying cost of our inventory. Lower price realizations and inventory write-downs in 2012 put downward pressure on our gross profit and operating margins. While we believe that there is a relative balance between capacity and demand at low prices due to industry consolidation, increases in solar module production in excess of market demand may result in further downward pressure on the price of solar wafers, cells and modules, including our products. Increasing competition could also result in us losing sales or market share. Moreover, due to fluctuations in the supply and price of solar power products throughout the value chain, we cannot assure you that we will be able, on an ongoing basis, to procure silicon, wafers and cells at reasonable costs if any of the above risks materializes. If we are unable, on an ongoing basis, to procure silicon, solar wafers and solar cells at reasonable prices or mark up the price of our solar modules to cover our manufacturing and operating costs, our revenues and margins will be adversely impacted, either due to higher costs compared to our competitors or due to further write-downs of inventory, or both. In addition, our market share could decline if our competitors are able to price their products more competitively.

***Long-term supply agreements may make it difficult for us to adjust our raw material costs should prices decrease. Also, if we terminate any of these agreements, we may not be able to recover all or any part of the advance payments we have made to these suppliers and we may be subject to litigation.***

We have entered into a number of long-term supply agreements with several silicon and wafer suppliers in order to secure a stable supply of raw materials to meet our production requirements. These suppliers included GCL-Poly Energy Holdings Limited, or GCL, Neo Solar Power Corp., or Neo Solar, Deutsche Solar AG, or Deutsche Solar, Jiangxi LDK Solar Hi-Tech Co., Ltd., or LDK, and a UMG-Si supplier.

In 2009 and thereafter, we amended our agreements with certain of these suppliers to adjust the purchase price to prevailing market prices at the time we place a purchase order and to reduce the quantity of products that we were required to purchase. Under our supply agreements with certain suppliers, and consistent with historical industry practice, we make advance payments prior to scheduled delivery dates. These advance payments are made without collateral and are credited against the purchase prices payable by us. As of December 31, 2015, the balance of the advance payments that we have made to GCL, Deutsche Solar, LDK and the UMG-Si supplier totaled \$32.1 million.

Under our 12-year wafer supply agreement with Deutsche Solar, we purchased the contracted volume for 2009 but did not purchase the contracted volumes for 2010 and 2011. The agreement contains a provision stating that, if we do not order the contracted volume in a given year, Deutsche Solar can invoice us for the difference at the full contract price. We believe that the take-or-pay

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provisions of the agreement are void under German law. In December 2011, Deutsche Solar gave notice to us to terminate the agreement with immediate effect. Deutsche Solar stated that the reason for the termination was an alleged breach of the agreement by us. In the notice, Deutsche Solar reserved its right to claim damages of €148.6 million in court. As a result of the termination, we reclassified the accrued loss on firm purchase commitments reserve of \$27.9 million as of December 31, 2011 to loss contingency accruals. In addition, we made a full bad debt allowance of \$17.4 million against the balance of advance payments to Deutsche Solar. The accrued amount of \$27.9 million represents our best estimate for our loss contingency. Deutsche Solar did not specify the basis for its claimed damages of €148.6 million in the notice.

In 2007, we entered into a three-year agreement, or the 2007 Supply Contract, with LDK under which we purchased specified quantities of silicon wafers and LDK converted our reclaimed silicon feedstock into wafers. In June 2008, we entered into two 10-year wafer supply agreements, or the 2008 Supply Contracts, with LDK, under which we agreed to purchase specified volumes of wafers at pre-determined prices each year, commencing January 1, 2009. In April 2010, we gave LDK a termination notice for the 2007 Supply Contract and 2008 Supply Contracts on the grounds that they refused to deduct from the selling price the deposits paid by us previously. We also initiated arbitration proceedings against LDK under the supply contracts, seeking a refund of the initial deposits that we paid to them. In December 2012, Shanghai International Economic and Trade Arbitration Commission, formerly known as CIETAC Shanghai Branch, awarded RMB248.9 million (\$38.4 million) plus RMB2.32 million (\$0.4 million) in arbitration expenses in favor of LDK, including RMB60.0 million (\$9.3 million) of previously paid deposits, or the 2012 Arbitral Award. In February 2013, LDK filed for enforcement of the 2012 Arbitral Award with Jiangsu Suzhou Intermediate People's Court, or the Suzhou Intermediate Court. In 2013, LDK initiated two separate proceedings against us in Jiangxi Xinyu Intermediate People's Court, or the Xinyu Intermediate Court, claiming that we had forfeited our rights to the initial deposits under the 2007 Supply Contract and 2008 Supply Contracts because of the alleged breaches under these contracts. On October 18, 2013, the Xinyu Intermediate Court stayed these proceedings pending the decision by the Suzhou Intermediate Court as to the 2012 Arbitral Award. On September 9, 2015, the Suzhou Intermediate Court ruled in favor of LDK. On October 19, 2015, we reached a settlement agreement with LDK, or the 2015 Settlement Agreement. Under the 2015 Settlement Agreement, we agreed to pay RMB132.7 million (\$20.8 million) to LDK and to purchase 64.3 million pieces of silicon wafers from LDK at market price over a three year period starting in or around December 2015, in exchange for which LDK (a) would release us from the 2012 Arbitration Award and waive its rights and claims thereunder and (b) would withdraw its complaints from the Xinyu Intermediate Court and terminate such proceedings. The Suzhou Intermediate Court reviewed and approved the 2015 Settlement Agreement and terminated the enforcement proceeding relating to the 2012 Arbitral Award. We have already paid the required amounts and fulfilled our obligations under the 2015 Settlement Agreement. See "Item 8. Financial Information A. Consolidated Statements and Other Financial Information Legal and Administrative Proceedings." We recorded a charge of \$20.8 million related to the 2015 Settlement Agreement in general and administrative expense in the third quarter of 2015. Although we have reached the 2015 Settlement Agreement with LDK, we cannot assure you that LDK will not attempt to bring additional claims against us, the outcomes of which could potentially have an adverse effect on our results of operations and financial condition. In March 2014, LDK filed an application for arbitration with CIETAC, seeking compensation and enforcement expenses for damages LDK claimed to have suffered from the alleged breaches under the 2008 Supply Contracts between October 2010 and December 2013. We filed counterclaims against LDK in July 2014. On December 22, 2015, CIETAC ruled to reject both LDK's claims and our counterclaims.

Due to the default of a UMG-Si supplier in delivering its contracted volumes for 2010 and concerns regarding its financial position, we concluded that we were not likely to purchase any

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significant quantity of UMG-Si from this supplier in the future and made a full bad debt allowance against the advance payments of RMB59 million (\$9.1 million) to the UMG-Si supplier in 2010.

We have in the past entered, and may in the future, enter into long-term supply agreements for silicon wafers or solar cells with fixed price and quantity terms. If, during the term of these agreements, the price of materials decreases significantly and we are unable to renegotiate favorable terms with our suppliers, we may be placed at a competitive disadvantage compared to our competitors, and our earnings could decline. In addition, if demand for our solar power products decreases, yet our supply agreements require us to purchase more silicon wafers and solar cells than required to meet customer demand, we may incur costs associated with carrying excess inventory. To the extent that we are not able to pass these increased costs on to our customers, our business, cash flows, financial condition and results of operations may be materially and adversely affected. If our suppliers file lawsuits against us for early termination of these contracts, such events could be costly, may divert management's attention and other resources away from our business, and could have a material and adverse effect on our reputation, business, financial condition, results of operations and prospects.

***We are subject to numerous laws and regulations at the national, regional and local levels of government in the areas where we do business. Any changes to these regulations and policies may present technical, regulatory and economic barriers to the purchase and use of solar power products, solar projects and solar electricity, which may significantly reduce demand for our products and services or otherwise adversely affect our financial performance.***

We are expanding our international operations and are subject to a variety of laws and regulations, some of which may conflict with each other and all of which are subject to change, including energy regulations, export and import restrictions, tax laws and regulations, environmental regulations, labor laws and other government requirements, approvals, permits and licenses. We also face trade barriers and trade remedies 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. See " Imposition of anti-dumping and countervailing duty orders or safeguard measures in one or more markets may result in additional costs to our customers, which could materially or adversely affect our business, results of operations, financial conditions and future prospects."

In the countries where we do business, the market for solar power products, solar projects and solar electricity is heavily influenced by national, state and local government regulations and policies concerning the electric utility industry, as well as policies disseminated by electric utilities. These regulations and policies often relate to electricity pricing and technical interconnection of customer-owned electricity generation, and could deter further investment in the research and development of alternative energy sources as well as customer purchases of solar power technology, which could result in a significant reduction in the potential demand for our solar power products, solar projects and solar electricity.

In our module segment, we expect that our solar power products and their installation will continue to be subject to national, state and local regulations and policies relating to safety, utility interconnection and metering, construction, environmental protection, and other related matters. Any new regulations or policies pertaining to our solar power products may result in significant additional expenses to us, our resellers and customers, which could cause a significant reduction in demand for our solar power products.

In our energy development and electricity generation segments, we are subject to numerous national, regional and local laws and regulations, including the Federal Power Act, or FPA, the Environmental Protection Act (Ontario) and other statutes altered by the Green Energy and Green Economy Act (Ontario), or GEGEA, in Ontario, Canada, the Electricity Business Act (Denki Jiygo Ho) in Japan and E.U. directives and other regulations in respect of our Europe based projects.



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Changes in applicable energy laws or regulations, or in the interpretations of these laws and regulations, could result in increased compliance costs or the need for additional capital expenditures. If we fail to comply with these requirements, we could also be subject to civil or criminal liability and the imposition of fines. Further, national, regional or local regulations and policies could be changed to provide for new rate programs that undermine the economic returns for both new and existing projects by charging additional, non-negotiable fixed or demand charges or other fees or reductions in the number of projects allowed under net metering policies. National, regional or local government energy policies, law and regulation supporting the creation of wholesale energy markets is currently, and may continue to be, subject to challenges, modifications and restructuring proposals, which may result in limitations on the commercial strategies available to us for the sale of our power.

Regulatory changes in a jurisdiction where we are developing a project may make the continued development of the project infeasible or economically disadvantageous and any expenditure we have made to date on such project may be wholly or partially written off. Any of these changes could significantly increase the regulatory related compliance and other expenses incurred by the projects and could significantly reduce or entirely eliminate any potential revenues that can be generated by one or more of the projects or result in significant additional expenses to us, our offtakers and customers, which could materially and adversely affect our business, financial condition, results of operations and cash flows.

We also face regulatory risks imposed by various transmission providers and operators, including regional transmission operators and independent system operators, and their corresponding market rules. These regulations may contain provisions that limit access to the transmission grid or allocate scarce transmission capacity in a particular manner, which could materially and adversely affect our business, financial condition, results of operations and cash flows.

We are also subject to the Foreign Corrupt Practices Act of 1977, or the FCPA, the U.S. domestic bribery statute contained in 18 U.S.C. § 201, the U.S. Travel Act, the USA PATRIOT Act, and other anti-bribery and anti-money laundering laws in countries in which we conduct activities. We face significant liabilities if we fail to comply with the FCPA and other anticorruption laws that prohibit companies and their employees and third-party intermediaries from authorizing, offering, or providing, directly or indirectly, improper payments or benefits to foreign government officials, political parties, and private-sector recipients for the purpose of obtaining or retaining business. We may have direct or indirect interactions with officials and employees of government agencies or state-owned or affiliated entities. For example, in China, we may contract with and sell electricity to the national grid, a state-owned enterprise. In other countries where we develop, acquire or sell solar projects, we need to obtain various approvals, permits and licenses from the local or national governments. We can be held liable for the illegal activities of our employees, representatives, contractors, partners, and agents, even if we do not explicitly authorize such activities. Any violation of the FCPA, other applicable anticorruption laws, and anti-money laundering laws could result in whistleblower complaints, adverse media coverage, investigations, loss of export privileges, severe criminal or civil sanctions, which could have a material adverse effect on our business, financial condition, cash flows and reputation. In addition, responding to any enforcement action may result in the diversion of management's attention and resources, significant defense costs and other professional fees.

***Because the markets in which we compete are highly competitive and quickly evolving, because many of our competitors have greater resources than we do or are more adaptive, and because we have a limited track record in our energy development and electricity generation segments, we may not be able to compete successfully and we may not be able to maintain or increase our market share.***

We face intense competition in our module, energy development and electricity generation segments. We have a large number of competitors in our solar modules business, including non-China-based competitors such as First Solar, Inc., or First Solar, and SunPower Corporation, or SunPower,

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and China-based competitors such as Trina Solar Limited, or Trina, JinkoSolar Holding Co., Limited, or Jinko, JA Solar Co., Limited, or JA Solar, and Hanwha Q Cells Co., Ltd., or Hanwha Q Cells. Some of our competitors are developing or are currently producing products based on new solar power technologies that may ultimately have costs similar to or lower than our projected costs. These include products based on thin film PV technology, which requires either no silicon or significantly less silicon to produce than crystalline silicon solar modules, such as the ones that we produce, and is less susceptible to increases in silicon costs. Some of our competitors have longer operating histories, greater name and brand recognition, access to larger customer bases, greater resources and significantly greater economies of scale than we do. In addition, some of our competitors may have stronger relationships or may enter into exclusive relationships with some of the key distributors or system integrators to whom we sell our products. As a result, they may be able to respond more quickly to changing customer demands or devote greater resources to the development, promotion and sales of their products. Some of our competitors have more diversified product offerings, which may better position them to withstand a decline in demand for solar power products. Some of our competitors are more vertically integrated than we are, from upstream silicon wafer manufacturing to solar power system integration. This may allow them to capture higher margins or have lower costs. In addition, new competitors or alliances among existing competitors could emerge and rapidly acquire significant market share. If we fail to compete successfully, our business will suffer and we may not be able to maintain or increase our market share.

For our energy development segment, we compete in a more diversified and complicated landscape since the commercial and regulatory environments for solar power project development and operation vary significantly from region to region and country to country. Our primary competitors are local and international developers and operators of solar power projects. Some of our competitors may have advantages over us in terms of greater experience or resources in the operation, financing, technical support and management of solar power projects, in any particular markets or in general. We only started developing solar power projects and growing our energy development segment in recent years.

Our energy development segment has a global footprint and develops solar power projects primarily in Canada, Japan, the U.S., China, Brazil and the United Kingdom. There is no guarantee that we can compete successfully in the markets we currently operate or the ones we plan to enter in the future. For example, in certain of our target markets, such as China, state-owned and private companies have emerged to take advantage of the significant market opportunity created by attractive financial incentives and favorable regulatory environment provided by the governments. State-owned companies may have stronger relationships with local governments in certain regions and private companies may be more focused and experienced in developing solar power projects in the markets where we compete. Accordingly, we need to continue to be able to compete against both state-owned and private companies in these markets. Our energy development segment also provides EPC and/or O&M services in China, Canada, Australia and other countries. We face intense competition from other service providers in those markets.

For our electricity generation segment, we believe that our primary competitors in the electricity generation markets in which we operate are the incumbent utilities that supply energy to our potential customers under highly regulated rate and tariff structures. We compete with these conventional utilities primarily based on price, predictability of price, reliability of delivery and the ease with which customers can switch to electricity generated by our solar energy projects. If we cannot offer compelling value to our customers based on these factors, then our energy-based business will not grow. Conventional utilities generally have substantially greater financial, technical, operational and other resources than we do. As a result, these competitors may be able to devote more resources to the research, development, promotion and sale of their products or respond more quickly to evolving industry standards and changes in market conditions than we can. Conventional utilities could also offer other value-added products or services that could help them to compete with us even if the cost of

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electricity they offer is higher than ours. In addition, a majority of conventional utilities' sources of electricity is non-renewable, which may allow them to sell electricity more cheaply and deliver energy more consistently or reliably than electricity generated by our solar power projects.

We also face risks that conventional utilities could change their volumetric-based (i.e., cents per kilowatt-hour, or kWh) rate and tariff structures to make distributed solar generation and other renewable forms of energy less economically attractive to their retail customers. For example, net metering programs are currently utilized in most states in the U.S. to support the growth of distributed generation solar by requiring conventional utilities to reimburse their retail customers who are home and business owners for the excess power they generate at the level of the utilities' retail rates rather than the rates at which those utilities buy power at wholesale. However, Arizona has allowed its largest conventional utility to assess a surcharge on customers that reduces the economic returns for the excess electricity that the solar power systems produce. These types of changes or other types of changes that could reduce or eliminate the economic benefits of net-metering could be implemented by state public utility commissions or state legislatures in the other states throughout the United States that utilize net-metering programs, and could significantly change the economic benefits of solar energy as perceived by conventional utilities' retail customers.

As the solar power and renewable energy industry grows and evolves, we will also face new competitors who are not currently in the market. Our failure to adapt to changing market conditions and to compete successfully with existing or new competitors will limit our growth and will have a material adverse effect on our business and prospects.

***We face risks associated with the marketing, distribution and sale of our solar power products and services internationally.***

The international marketing, distribution and sale of our products expose us to a number of risks, including:

fluctuating sources of revenues;

difficulties in staffing and managing overseas operations;

fluctuations in foreign currency exchange rates;

differing regulatory and tax regimes across different markets;

the increased cost of understanding local markets and trends and developing and maintaining an effective marketing and distribution presence in various countries;

the difficulty of providing customer service and support in various countries;

the difficulty of managing our sales channels effectively as we expand beyond distributors to include direct sales to systems integrators, end users and installers;

the difficulty of managing the development, construction and sale of our solar power projects on a timely and profitable basis as a result of technical difficulties, commercial disputes with our customers and changes in regulations, among other factors;

the difficulties and costs of complying with the different commercial, legal and regulatory requirements in the overseas markets in which we operate;

any failure to develop appropriate risk management and internal control structures tailored to overseas operations;

any inability to obtain, maintain or enforce intellectual property rights;

any unanticipated changes in prevailing economic conditions and regulatory requirements; and

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any 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.

If we are unable to effectively manage these risks, our ability to expand our business abroad could suffer.

Our revenue sources have fluctuated significantly over recent years. For example, in 2008, 89.5% of our revenues were attributable to Europe, while only 4.6% and 5.9% were attributable to the Americas and Asia and others, respectively. However, in 2014, the Americas contributed 60.6% and Asia contributed 30.6% of our revenues, while Europe and other regions contributed only 8.8%; and in 2015, the Americas contributed 50.5% and Asia contributed 39.9% of our revenues, while Europe and other regions contributed 9.6%. As we shift the focus of our operations between different regions of the world, we have limited time to prepare for and address the risks identified above. Furthermore, some of these risks, such as currency fluctuations, will increase as our revenue contribution from certain global regions becomes more prominent. This may adversely influence our financial performance.

***Our future business depends in part on our ability to make strategic acquisitions, investments and divestitures and to establish and maintain strategic relationships, and our failure to do so could have a material and adverse effect on our market penetration and revenue growth.***

We frequently look for and evaluate opportunities to acquire other businesses, make strategic investments or establish strategic relationships with third parties to improve our market position or expand our products and services. When market conditions permit and opportunities arise, we may also consider divesting part of our current business to focus management attention and improve our operating efficiency. Investments, strategic acquisitions and relationships with third parties could subject us to a number of risks, including risks associated with integrating their personnel, operations, services, internal controls and financial reporting into our operations as well as the loss of control of operations that are material to our business. If we divest any material part of our business, particularly our upstream manufacturing business or downstream energy development and electricity generation businesses, we may not be able to benefit from our investment and experience associated with that part of the business and may be subject to intensified concentration risks with less flexibility to respond to market fluctuations. Moreover, it could be expensive to make strategic acquisitions, investments, divestitures and establish and maintain relationships, and we may be subject to the risk of non-performance by a counterparty, which may in turn lead to monetary losses that materially and adversely affect our business. We cannot assure you that we will be able to successfully make strategic acquisitions and investments and successfully integrate them into our operations, or make strategic divestitures or establish strategic relationships with third parties that will prove to be effective for our business. Our inability to do so could materially and adversely affect our market penetration, our revenue growth and our profitability.

***Our significant international operations expose us to a number of risks, including unfavorable political, regulatory, labor and tax conditions in the countries where we operate.***

We intend to continue to extend our global reach and capture market share in various global markets. In doing so, we will be exposed to various risks, including political, regulatory, labor and tax risks. Furthermore, we may need to make substantial investments in our overseas operations, both initially and on an ongoing basis, in order to attain longer-term sustainable returns. These investments could negatively impact our financial performance before sustainable profitability is recognized.

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***We face risks related to private securities litigation.***

Our company and certain of our directors and executive officers were named as defendants in class action lawsuits in the U.S. and Canada alleging that our financial disclosures during 2009 and early 2010 were false or misleading and in violation of U.S. federal securities laws and Ontario securities laws, respectively. The lawsuits in the U.S. were consolidated into one class action, which was dismissed with prejudice by the district court in March 2013, and subsequently affirmed by the circuit court in December 2013. The lawsuit in Canada continues. As a preliminary matter, we challenged the Ontario Court's jurisdiction to hear the plaintiff's claim, but this motion was unsuccessful. In September 2014, the plaintiff obtained an order granting him leave to assert the statutory cause of action under the Ontario Securities Act for certain of his misrepresentation claims. In January 2015, the plaintiff obtained an order for class certification in respect of the claims for which he obtained leave to assert the statutory cause of action under the Ontario Securities Act, for certain negligent misrepresentation claims and for oppression remedy claims advanced under the Canada Business Corporations Act, or CBCA. The Court dismissed CSI's application for leave to appeal. The class action has moved to the merits stage. See "Item 8. Financial Information A. Consolidated Statements and Other Financial Information Legal and Administrative Proceedings." There is no guarantee that we will not become party to additional lawsuits. If the case goes to trial, the Canadian action could require significant management time and attention and result in significant legal expenses. In addition, we are generally obligated, to the extent permitted by law, to indemnify our directors and officers who are named defendants in these lawsuits. If we were to lose a class action lawsuit, we may be required to pay judgments or settlements and incur expenses in aggregate amounts that could have a material and adverse effect on our financial condition or results of operations.

***Our quarterly operating results may fluctuate from period to period.***

Our quarterly operating results may fluctuate from period to period based on a number of factors, including:

- the average selling prices of our solar power products and services;
- the timing of completion of construction of our solar power projects;
- changes in payments from power purchasers of solar power plants already in operation;
- the rate and cost at which we are able to expand our internal production capacity;
- the availability and cost of solar cells and wafers from our suppliers and toll manufacturers;
- the availability and cost of raw materials, particularly high-purity silicon;
- changes in government incentive programs and regulations, particularly in our key and target markets;
- the unpredictable volume and timing of customer orders;
- the loss of one or more key customers or the significant reduction or postponement of orders;
- the availability and cost of external financing for on-grid and off-grid solar power applications;
- acquisition and investment costs;

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the timing of successful completion of customer acceptance testing of our solar power projects;

geopolitical turmoil and natural disasters within any of the countries in which we operate;

foreign currency fluctuations, particularly in Euro, RMB, Canadian dollar and Japanese yen;

our ability to establish and expand customer relationships;

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changes in our manufacturing costs;

the timing of new products or technology introduced or announced by our competitors;

fluctuations in electricity rates due to changes in fossil fuel prices or other factors;

allowances for doubtful accounts and advances to suppliers;

inventory write-downs;

long-lived asset impairment;

depreciation charges relating to under-utilized assets;

loss on firm purchase commitments under long-term supply agreements; and

construction progress of solar power projects and related revenue recognition.

We base our planned operating expenses in part on our expectations of future revenues. A significant portion of our expenses will be fixed in the short-term. If our revenues for a particular quarter are lower than we expect, we may not be able to reduce our operating expenses proportionately, which would harm our operating results for the quarter. As a result, our results of operations may fluctuate from quarter to quarter and our interim and annual financial results may differ from our historical performance.

***Fluctuations in exchange rates could adversely affect our business, including our financial condition and results of operations.***

The majority of our sales in 2014 and in 2015 were denominated in U.S. dollars, Canadian dollars and Japanese yen, with the remainder in other currencies such as Renminbi, Euros and Australian dollars. Our Renminbi costs and expenses are primarily related to the sourcing of solar cells, silicon wafers and silicon, other raw materials, toll manufacturing fees, labor costs and local overhead expenses within the PRC. From time to time, we enter into loan arrangements with Chinese commercial banks that are denominated primarily in Renminbi or U.S. dollars. Most of our cash and cash equivalents and restricted cash are denominated in Renminbi. Fluctuations in exchange rates, particularly between the U.S. dollar, Euro, Renminbi, Canadian dollar and Japanese yen, may result in foreign exchange gains or losses. We recorded net foreign exchange losses of \$51.5 million and \$32.2 million in 2013 and 2014, respectively, and a net foreign exchange gain of \$22.9 million in 2015.

The value of the Renminbi against the U.S. dollar, Euro and other currencies is affected by, among other things, changes in China's political and economic conditions and China's foreign exchange policies. In late 2005, China amended its policy of tracking the value of the Renminbi to the U.S. dollar to instead fluctuate against a basket of foreign currencies, which caused the Renminbi to appreciate significantly against the U.S. dollar over the following three years. In June 2010, the PRC government announced that it would allow greater flexibility for the Renminbi to fluctuate against the U.S. dollar, which resulted in further appreciation of the Renminbi, although in 2014, the value of the Renminbi depreciated against the U.S. dollar. In 2015, the PRC government changed the way it calculates the mid-point price of Renminbi against the U.S. dollar, requiring the market-makers who submit for the People's Bank of China's reference rates to consider the previous day's closing spot rate and foreign-exchange demand and supply, as well as changes in major currency rates. This change resulted in further depreciation of the Renminbi against the U.S. dollar. We cannot provide any assurances that the policy of the PRC government will not affect or the manner in which it may affect the exchange rate between the Renminbi and the U.S. dollar or other foreign currencies in the future.

Since 2008, we have hedged part of our foreign currency exposures against the U.S. dollar using foreign currency forward or option contracts. In addition to collateral requirements to enter into hedging contracts, there are notional limits on the size of the hedging transactions that we may enter





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into with any particular counterparty at any given time. The effectiveness of our hedging program may be limited due to cost effectiveness, cash management, exchange rate visibility and downside protection. We recorded gains on change in foreign currency derivatives of \$10.8 million and \$19.7 million in 2013 and 2014, respectively, and a loss on change in foreign currency derivatives of \$3.7 million in 2015. The gains or losses on change in foreign currency derivatives are related to our hedging program.

Volatility in foreign exchange rates will hamper, to some extent, our ability to plan our pricing strategy. To the extent that we are unable to pass along increased costs resulting from exchange rate fluctuations to our customers, our profitability may be adversely impacted. As a result, fluctuations in foreign currency exchange rates could have a material and adverse effect on our financial condition and results of operations.

***A change in our effective tax rate can have a significant adverse impact on our business.***

A number of factors may adversely impact our future effective tax rates, such as the jurisdictions in which our profits are determined to be earned and taxed; changes in the valuation of our deferred tax assets and liabilities; adjustments to provisional taxes upon finalization of various tax returns; adjustments to the interpretation of transfer pricing standards; changes in available tax credits; changes in stock-based compensation expenses; changes in tax laws or the interpretation of such tax laws (for example, proposals for fundamental U.S. international tax reform); changes in U.S. GAAP; expiration or the inability to renew tax rulings or tax holiday incentives; and the repatriation of non-U.S. earnings for which we have not previously provided for U.S. taxes. A change in our effective tax rate due to any of these factors may adversely influence our future results of operations.

***Seasonal variations in demand linked to construction cycles and weather conditions may influence our results of operations.***

Our business is subject to seasonal variations in demand linked to construction cycles and weather conditions. Purchases of solar power products and services tend to decrease during the winter months in our key markets, such as Canada, due to adverse weather conditions that can complicate the installation of solar power systems and negatively impact the construction schedules of our solar power projects. Demand from other countries, such as the U.S. and China, may also be subject to significant seasonality. Seasonal variations could adversely affect our results of operations and make them more volatile and unpredictable.

***Our future success depends partly on our ability to maintain and expand our solar components manufacturing capacity, which exposes us to a number of risks and uncertainties.***

Our future success depends partly on our ability to maintain and expand our solar components manufacturing capacity. If we are unable to do so, we may be unable to expand our business, maintain our competitive position, and improve our profitability. Our ability to expand our solar components production capacity is subject to risks and uncertainties, including:

the need to raise significant additional funds to purchase raw materials and to build additional manufacturing facilities, which we may be unable to obtain on commercially reasonable terms or at all;

delays and cost overruns as a result of a number of factors, many of which are beyond our control, including delays in equipment delivery by vendors;

delays or denial of required regulatory approvals by relevant government authorities;

diversion of significant management attention and other resources; and

failure to execute our expansion plan effectively.

If we are unable to maintain and expand our internal production capacity, we may be unable to expand our business as planned. Moreover, even if we do maintain and expand our production capacity, we might still not be able to generate sufficient customer demand for our solar power products to support the increased production levels.



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***We may be unable to generate sufficient cash flows or have access to external financing necessary to fund planned operations and make adequate capital investments.***

We anticipate that our operating and capital expenditures requirements may increase. To develop new products, support future growth, achieve operating efficiencies and maintain product quality, we may need to make significant capital investments in manufacturing technology, facilities and capital equipment, research and development, and product and process technology. We also anticipate that our operating costs may increase as we expand our manufacturing operations, hire additional personnel, increase our sales and marketing efforts, invest in joint ventures and acquisitions, and continue our research and development efforts with respect to our products and manufacturing technologies.

Our operations are capital intensive. We rely on working capital financing primarily from PRC commercial banks for our manufacturing operations. Although we are currently able to obtain new working capital financing from PRC commercial banks, we cannot guarantee that we will continue to be able to do so on commercially reasonable terms or at all. See " Our dependence on Chinese banks to extend our existing loans and provide additional loans exposes us to funding risks, which may materially and adversely affect our operations." Also, even though we are a publicly-traded company, we may not be able to raise capital via public equity and debt issuances due to market conditions and other factors, many of which are beyond our control. Our ability to obtain external financing is subject to a variety of uncertainties, including:

our future financial condition, results of operations and cash flows;

general market conditions for financing activities by manufacturers of solar power products; and

economic, political and other conditions in the PRC and elsewhere.

If we are unable to obtain funding in a timely manner and on commercially acceptable terms, our growth prospects and future profitability may be adversely affected.

Construction of our solar power projects may require us to obtain project financing. There can be no assurance that we will be able to do so on terms acceptable to us or at all. If we are unable to obtain project financing, or if it is only available on terms which are not acceptable to us, we may be unable to fully execute our business plan. In addition, we generally expect to sell our projects to tax-oriented, strategic industry and other investors. Such investors may not be available or may only have limited resources, in which case our ability to sell our projects may be hindered or delayed and our business, financial condition, and results of operations may be adversely affected. There can be no assurance that we will be able to generate sufficient cash flows, find other sources of capital to fund our operations and solar power projects, make adequate capital investments to remain competitive in terms of technology development and cost efficiency required by our projects. If adequate funds and alternative resources are not available on acceptable terms, our ability to fund our operations, develop and construct solar power projects, develop and expand our manufacturing operations and distribution network, maintain our research and development efforts or otherwise respond to competitive pressures would be significantly impaired. Our inability to do the foregoing could have a material and adverse effect on our business and results of operations.

***We have substantial indebtedness and may incur substantial additional indebtedness in the future, which could adversely affect our financial health and our ability to generate sufficient cash to satisfy our outstanding and future debt obligations.***

We have substantial indebtedness and may incur substantial additional indebtedness in the future, which could adversely affect our financial health and our ability to generate sufficient cash to satisfy

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our outstanding and future debt obligations. Our substantial indebtedness could have important consequences to us and our shareholders. For example, it could:

limit our ability to satisfy our debt obligations;

increase our vulnerability to adverse general economic and industry conditions;

require us to dedicate a substantial portion of our cash flow from operations to servicing and repaying our indebtedness, thereby reducing the availability of our cash flow to fund working capital, capital expenditures and for other general corporate purposes;

limit our flexibility in planning for or reacting to changes in our businesses and the industry in which we operate;

place us at a competitive disadvantage compared with our competitors that have less debt;

limit, along with the financial and other restrictive covenants of our indebtedness, among other things, our ability to borrow additional funds; and

increase the cost of additional financing.

In the future, we may from time to time incur substantial additional indebtedness and contingent liabilities. If we incur additional debt, the risks that we face as a result of our already substantial indebtedness and leverage could intensify.

Our ability to generate sufficient cash to satisfy our outstanding and future debt obligations will depend upon our future operating performance, which will be affected by prevailing economic conditions and financial, business and other factors, many of which are beyond our control. We cannot assure you that we will be able to generate sufficient cash flow from operations to support the repayment of our current indebtedness. If we are unable to service our indebtedness, we will be forced to adopt an alternative strategy that may include actions such as reducing or delaying capital expenditures, selling assets, restructuring or refinancing our indebtedness or seeking equity capital. These strategies may not be instituted on satisfactory terms, if at all. In addition, certain of our financing arrangements impose operating and financial restrictions on our business, which may negatively affect our ability to react to changes in market conditions, take advantage of business opportunities we believe to be desirable, obtain future financing, fund required capital expenditures, or withstand a continuing or future downturn in our business. Any of these factors could materially and adversely affect our ability to satisfy our debt obligations.

***We must comply with certain financial and other covenants under the terms of our debt instruments and the failure to do so may put us in default under those instruments.***

Many of our loan agreements include financial covenants and broad default provisions. The financial covenants primarily include current ratios, quick ratios, debt to asset ratios, contingent liability ratios and minimum equity requirements, which, in general, govern our existing long-term debt and debt we may incur in the future. These covenants could limit our ability to plan for or react to market conditions or to meet our capital needs in a timely manner and complying with these covenants may require us to curtail some of our operations and growth plans. In addition, any global or regional economic deterioration may cause us to incur significant net losses or force us to assume considerable liabilities, which would adversely impact our ability to comply with the financial and other covenants of our outstanding loans. If our creditors refuse to grant waivers for any non-compliance with these covenants, such non-compliance will constitute an event of default which may accelerate the amounts due under the applicable loan agreements. Some of our loan agreements also contain cross-default clauses, which could enable creditors under our debt instruments to declare an event of default should there be an event of default on our other loan agreements. We cannot assure you that we will be able to remain in compliance with these covenants in the future. We may not be able to cure future

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violations or obtain a waiver on a timely basis. An event of default under any agreement governing our existing or future debt, if not cured by us or waived by our creditors, could have a material adverse effect on our liquidity, financial condition and results of operations.

***Our dependence on Chinese banks to extend our existing loans and provide additional loans exposes us to funding risks, which may materially and adversely affect our operations.***

We require significant cash flow and funding to support our operations. As a result, we rely on short-term borrowings to provide working capital for our daily operations. Since the majority of our short-term borrowings come from Chinese banks, we are exposed to lending policy changes by the Chinese banks. In 2013, 2014 and 2015, we successfully extended our short-term borrowings and, as of December 31, 2015, we had outstanding short-term borrowings of \$828.0 million with Chinese banks. Between January 1, 2016 and March 31, 2016, we obtained new borrowings of approximately \$362.0 million from Chinese banks, including \$161.9 million with due dates beyond December 31, 2016. Also, between January 1, 2016 and March 31, 2016, we renewed existing bank facilities of approximately \$146.4 million from Chinese banks with due dates beyond December 31, 2016.

If the Chinese government changes its macroeconomic policies and forces Chinese banks to tighten their lending practices, or if Chinese banks are no longer willing to provide financing to solar power companies, including us, we may not be able to extend our short-term borrowings or make additional borrowings in the future. As a result, we may not be able to fund our operations to the same extent as in previous years, which may have a material and adverse effect on our operations.

***Cancellations of customer orders may make us unable to recoup any prepayments made to suppliers.***

In the past, we were required to make prepayments to certain suppliers of silicon wafers and cells and silicon raw materials. Although we require certain customers to make partial prepayments, there is generally a lag between the due date for the prepayment of purchased silicon wafers and cells and silicon raw materials and the time that our customers make prepayments. In the event that our customers cancel their orders, we may not be able to recoup prepayments made to suppliers, which could adversely influence our financial condition and results of operations.

***Credit terms offered to some of our customers expose us to the credit risks of such customers and may increase our costs and expenses, which could in turn materially and adversely affect our revenues, liquidity and results of operations.***

We offer unsecured short-term or medium-term credit to some of our customers based on their creditworthiness and market conditions. As a result, our claims for payments and sales credits rank as unsecured claims, which expose us to credit risk if our customers become insolvent or bankrupt.

From time to time, we sell our products to high credit risk customers in order to gain early access to emerging or promising markets, increase our market share in existing key markets or because of the prospects of future sales with a rapidly growing customer. There are high credit risks in doing business with these customers because they are often small, young and high-growth companies with significant unfunded working capital, inadequate balance sheets and credit metrics and limited operating histories. If these customers are not able to obtain satisfactory working capital, maintain adequate cash flow, or obtain construction financing for the projects where our solar products are used, they may be unable to pay for the products for which they have ordered or of which they have taken delivery. Our legal recourse under such circumstances may be limited if the customer's financial resources are already constrained or if we wish to continue to do business with that customer. Revenue recognition for this type of customer is deferred until cash is received. If more customers to whom we extend credit are unable to pay for our products, our revenues, liquidity and results of operations could be materially and adversely affected.

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***Our dependence on a limited number of suppliers of silicon wafers, cells and silicon, and the limited number of suppliers for certain other components, such as silver metallization paste, solar module back-sheet, and ethylene vinyl acetate encapsulant, could prevent us from delivering our products to our customers in the required quantities or in a timely manner, which could result in order cancellations and decreased revenues.***

We purchase silicon raw materials, which include solar grade silicon, silicon wafers and solar cells, from a limited number of third-party suppliers. Our largest supplier of raw materials by dollar amount of purchases accounted for approximately 23.8%, 19.6% and 23.4% of our total raw materials purchases in 2013, 2014 and 2015, respectively.

In 2015, we purchased the large majority of the silicon wafers used in our solar modules from third parties, and our major silicon wafers suppliers were GCL (who accounted for 79.7% of our silicon wafer purchases), Yichang CSG Polysilicon Co., Ltd., or Yichang, and LDK. Our major suppliers of solar cells in 2015 included Motech Industries, Inc., or Motech, Neo Solar and Tongwei Solar Co., Ltd., or Tongwei. These suppliers may not always be able to meet our quantity requirements, or keep pace with the price reductions or quality improvements, necessary for us to price our products competitively. Supply may also be interrupted by accidents, disasters or other unforeseen events beyond our control. The failure of a supplier, for whatever reason, to supply silicon wafers, solar cells, silicon raw materials or other essential components that meet our quality, quantity and cost requirements in a timely manner could impair our ability to manufacture our products or increase our costs. The impact could be more severe if we are unable to access alternative sources on a timely basis or on commercially reasonable terms, and could prevent us from delivering our products to our customers in the required quantities and at prices that are profitable. Problems of this kind could cause order cancellations, reduce our market share, harm our reputation and cause legal disputes with our customers.

***We are developing and commercializing higher conversion efficiency cells, but we may not be able to mass-produce these cells in a cost effective way, if at all.***

Higher efficiency cell structures are becoming an increasingly important factor in cost competitiveness and brand recognition in the solar power industry. Such cells may yield higher power outputs at the same cost to produce as lower efficiency cells, thereby lowering the manufactured cost per watt. The ability to manufacture and sell solar modules made from such cells may be an important competitive advantage because solar system owners can obtain a higher yield of electricity from the modules that have a similar infrastructure, footprint and system cost compared to systems with modules using lower efficiency cells. Higher conversion efficiency solar cells and the resulting higher output solar modules are one of the considerations in maintaining a price premium over thin-film products. However, while we are making the necessary investments to develop higher conversion efficiency solar power products, there is no assurance that we will be able to commercialize some or any of these products in a cost effective way, or at all. In the near term, such products may command a modest premium. In the longer term, if our competitors are able to manufacture such products and we cannot do the same at all or in a cost efficient manner, we will be at a competitive disadvantage, which will likely influence our product pricing and our financial performance.

***We may be subject to unexpected warranty expense that may not be adequately covered by our insurance policies.***

Our warranty against defects in materials and workmanship is for ten years and, effective June 1, 2015, we guarantee that, for a period of 25 years, our polycrystalline modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output;

from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and

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by the end of year 25, the actual power output of the module will be no less than 80.7% of the labeled power output.

Effective June 1, 2015, we guarantee that, for a period of 25 years, our monocrystalline modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97% of the labeled power output;

from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and

by the end of year 25, the actual power output of the module will be no less than 80.2% of the labeled power output.

In addition, effective January 1, 2015, we lengthened the warranty against decline in our Dymond modules to 30 years. We guarantee that, for a period of 30 years, our Dymond modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output;

from year 2 to year 29, the actual annual power output decline will be no more than 0.5%; and

by the end of year 30, the actual power output of the module will be no less than 83% of the labeled power output.

We believe our warranty periods are consistent with industry practice. Due to the long warranty period, we bear the risk of extensive warranty claims long after we have shipped our products and recognized revenue. We began selling specialty solar products in 2002 and began selling standard solar modules in 2004. Any increase in the defect rate of our products would require us to increase our warranty reserves and would have a corresponding negative impact on our results of operations. Although we conduct quality testing and inspection of our solar module products, our solar module products have not been and cannot be tested in an environment simulating the up-to-25-year warranty periods. In particular, unknown issues may surface after extended use. These issues could potentially affect our market reputation and adversely affect our revenues, giving rise to potential warranty claims by our customers. As a result, we may be subject to unexpected warranty costs and associated harm to our financial results as long as 25 years after the sale of our products. In addition, for utility-scale solar power projects built by us, we provide a limited workmanship or balance of system warranty against defects in engineering, design, installation and construction under normal use, operation and service conditions for a period of up to five years following the energizing of the solar power plant. In resolving claims under the workmanship or balance of system warranty, we have the option of remedying through repair, refurbishment or replacement of equipment. We have also entered into similar workmanship warranties with our suppliers to back up our warranties. See "Item 5. Operating and Financial Review and Prospects A. Operating Results Critical Accounting Policies Warranty Costs."

As part of our energy development and electricity generation businesses, before energizing solar power plants, we conduct performance testing to confirm that they meet the operational and capacity expectations set forth in the agreements. In limited cases, we also provide an energy generation performance test designed to demonstrate that the actual energy generation for up to the first three years meets or exceeds the modeled energy expectation. In the event that the energy generation performance test performs below expectations, we may incur liquidated damages capped at a percentage of the contract price.

We have entered into agreements with a group of insurance companies with high credit ratings to back up our warranties. Under the terms of the insurance policies, which are designed to match the



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terms of our solar module product warranty policy, the insurance companies are obliged to reimburse us, subject to certain maximum claim limits and certain deductibles, for the actual product warranty costs that we incur under the terms of our solar module product warranty policy. We record the insurance premiums initially as prepaid expenses and amortize them over the respective policy period of one year. Each prepaid policy provides insurance against warranty costs for panels sold within that policy year. However, potential warranty claims may exceed the scope or amount of coverage under this insurance and, if they do, they could materially and adversely affect our business.

***We may not continue to be successful in developing and maintaining a cost-effective solar cell manufacturing capability.***

We plan to continue expanding our in-house solar cell manufacturing capabilities to support our solar module manufacturing business. Our annual solar cell production capacity was at 2.7 GW as of December 31, 2015. To remain competitive going forward, we intend to expand our annual solar cell production capacity to meet expected growth in demand for our solar modules. However, we only have limited and recent operating experience in this area and may face significant product development challenges in our solar cell operations. Manufacturing solar cells is a complex process and we may not be able to produce solar cells of sufficient quality to meet our solar module manufacturing standards. Minor deviations in the manufacturing process can cause substantial decreases in yield and in some cases cause no yield output or production to be suspended. We will need to make capital expenditures to purchase manufacturing equipment for solar cell production and will also need to make significant investments in research and development to keep pace with technological advances in solar power technology. Any failure to successfully develop and maintain cost-effective solar cell manufacturing capability may have a material and adverse effect on our business and prospects. For example, we have in the past purchased a large percentage of solar cells from third parties. This negatively affected our margins compared with those of our competitors since it is less expensive to produce cells internally than to purchase them from third parties. Because third party solar cell purchases are usually made in a period of high demand, prices tend to be higher and availability reduced.

Although we intend to continue direct purchasing of solar cells and toll manufacturing arrangements through a limited number of strategic partners, our relationships with our solar cell suppliers may be disrupted if we engage in the large-scale production of solar cells ourselves. If solar cell suppliers discontinue or reduce the supply of solar cells to us, through direct sales or through toll manufacturing arrangements, and we are not able to compensate for the loss or reduction by manufacturing our own solar cells, our business and results of operations may be adversely affected.

***We may not achieve acceptable yields and product performance as a result of manufacturing problems.***

We need to continuously enhance and modify our ingot and silicon wafer production capabilities in order to improve yields and product performance. Microscopic impurities such as dust and other contaminants, difficulties in the manufacturing process, disruptions in the supply of utilities or defects in the key materials and tools used to manufacture silicon wafers can cause a percentage of the silicon wafers to be rejected, which would negatively affect our yields. We may experience manufacturing difficulties that cause production delays and lower than expected yields.

Problems in our facilities, including but not limited to production failures, human errors, weather conditions, equipment malfunction or process contamination, may limit our ability to manufacture products, which could seriously harm our operations. We are also susceptible to floods, droughts, power losses and similar events beyond our control that would affect our facilities. A disruption in any step of the manufacturing process will require us to repeat each step and recycle the silicon debris, which would adversely affect our yields and manufacturing cost.

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***If we are unable to attract, train and retain technical personnel, our business may be materially and adversely affected.***

Our future success depends, to a significant extent, on our ability to attract, train and retain technical personnel. Recruiting and retaining capable personnel, particularly those with expertise in the solar power industry, are vital to our success. There is substantial competition for qualified technical personnel, and there can be no assurance that we will be able to attract or retain sufficient technical personnel. If we are unable to attract and retain qualified employees, our business may be materially and adversely affected.

***Our dependence on a limited number of customers and our lack of long-term customer contracts in our solar modules business may cause significant fluctuations or declines in our revenues.***

We sell a substantial portion of our solar module products to a limited number of customers, including distributors, system integrators, project developers and installers/EPC companies. Our top five customers by revenues collectively accounted for approximately 38.3%, 33.6% and 26.8% of our net revenues in 2013, 2014 and 2015, respectively. We anticipate that our dependence on a limited number of customers will continue for the foreseeable future. Consequently, any of the following events may cause material fluctuations or declines in our revenues:

reduced, delayed or cancelled orders from one or more of our significant customers;

the loss of one or more of our significant customers;

a significant customer's failure to pay for our products on time; and

a significant customer's financial difficulties or insolvency.

As we continue to expand our business and operations, our top customers continue to change. We cannot assure that we will be able to develop a consistent customer base.

***There are a limited number of purchasers of utility-scale quantities of electricity, which exposes us and our utility-scale solar power projects to additional risk.***

Since the transmission and distribution of electricity is either monopolized or highly concentrated in most jurisdictions, there are a limited number of possible purchasers for utility-scale quantities of electricity in a given geographic location, including transmission grid operators, state and investor-owned power companies, public utility districts and cooperatives. As a result, there is a concentrated pool of potential buyers for electricity generated by our solar power plants and projects, which may restrict our ability to negotiate favorable terms under new PPAs and could impact our ability to find new customers for the electricity generated by our generation facilities should this become necessary. Furthermore, if the financial condition of these utilities and/or power purchasers deteriorates or government policies or regulations to which they are currently subject that compel them to source renewable energy supplies change, demand for electricity produced by our plants could be negatively impacted. In addition, provisions in our PPAs or applicable laws may provide for the curtailment of delivery of electricity for various reasons, including preventing damage to transmission systems, system emergencies, force majeure or economic reasons. Such curtailment would reduce revenues to us from PPAs. If we cannot enter into PPAs on terms favorable to us, or at all, or if the purchaser under our PPAs were to exercise its curtailment or other rights to reduce purchases or payments under such arrangements, our revenues from electricity generation segment and our decisions regarding development of additional projects in the energy development segment may be adversely affected.

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***Product liability claims against us could result in adverse publicity and potentially significant monetary damages.***

We, along with other solar power product manufacturers, are exposed to risks associated with product liability claims if the use of our solar power products results in injury. Since our products generate electricity, it is possible that users could be injured or killed by our products due to product malfunctions, defects, improper installation or other causes. Although we carry limited product liability insurance, we may not have adequate resources to satisfy a judgment if a successful claim is brought against us. The successful assertion of product liability claims against us could result in potentially significant monetary damages and require us to make significant payments. Even if the product liability claims against us are determined in our favor, we may suffer significant damage to our reputation.

***Our founder, Dr. Shawn Qu, has substantial influence over our company and his interests may not be aligned with the interests of our other shareholders.***

As of March 31, 2016, Dr. Shawn Qu, our founder, Chairman, President and Chief Executive Officer, beneficially owned 13,611,336 common shares, or 23.6% of our outstanding shares. As a result, Dr. Qu has substantial influence over our business, including decisions regarding mergers and acquisition, consolidations and the sale of all or substantially all of our assets, the election of directors and other significant corporate actions. This concentration of ownership may discourage, delay or prevent a change in control of our company, which could deprive our other shareholders of an opportunity to receive a premium for their shares as part of a sale of our company and might reduce the price of our common shares.

***We may be exposed to infringement, misappropriation or other claims by third parties, which, if determined adversely to us, could require us to pay significant damage awards.***

Our success depends on our ability to develop and use our technology and know-how and sell our solar power products and services without infringing the intellectual property or other rights of third parties. The validity and scope of claims relating to solar power technology patents involve complex scientific, legal and factual questions and analyses and are therefore highly uncertain. We may be subject to litigation involving claims of patent infringement or the violation of intellectual property rights of third parties. Defending intellectual property suits, patent opposition proceedings and related legal and administrative proceedings can be both costly and time-consuming and may significantly divert the efforts and resources of our technical and management personnel. Additionally, we use both imported and China-made equipment in our production lines, sometimes without sufficient supplier guarantees that our use of such equipment does not infringe third-party intellectual property rights. This creates a potential source of litigation or infringement claims. An adverse determination in any such litigation or proceedings to which we may become a party could subject us to significant liability to third parties or require us to seek licenses from third parties, pay ongoing royalties, redesign our products or subject us to injunctions prohibiting the manufacture and sale of our products or the use of our technologies. Protracted litigation could also defer customers or potential customers or limit their purchase or use of our products until such litigation is resolved.

***Compliance with environmental laws and regulations can be expensive, and noncompliance with these regulations may result in adverse publicity and potentially significant monetary damages, fines and the suspension or even termination of our business operations.***

We are required to comply with all national and local environmental regulations. Our business generates noise, wastewater, gaseous wastes and other industrial waste in our operations and the risk of incidents with a potential environmental impact has increased as our business has expanded. We believe that we comply with all relevant environmental laws and regulations and have all necessary environmental permits to conduct our business as it is presently conducted. However, if more stringent

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regulations are adopted in the future, the costs of complying with these new regulations could be substantial. If we fail to comply with present or future environmental regulations, we may be required to pay substantial fines, suspend production or cease operations.

Our solar power products must comply with the environmental regulations of the jurisdictions in which they are installed, and we may incur expenses to design and manufacture our products to comply with such regulations. If compliance is unduly expensive or unduly difficult, we may lose market share and our financial results may be adversely affected. Any failure by us to control our use or to restrict adequately the discharge, of hazardous substances could subject us to potentially significant monetary damages, fines or suspensions of our business operations.

***We may not be successful in establishing our brand name in important markets and the products we sell under our brand name may compete with the products we manufacture on an original equipment manufacturer, or OEM, basis for our customers.***

We sell our products primarily under our own brand name but also on an OEM basis. In certain markets, our brand may not be as prominent as other more established solar power product vendors, and there can be no assurance that the brand names "Canadian Solar," or "CSI" or any of our possible future brand names will gain acceptance among customers. Moreover, because the range of products that we sell under our own brands and those we manufacture for our OEM customers may be substantially similar, we may end up directly or indirectly competing with our OEM customers, which could negatively affect our relationship with them.

***Failure to protect our intellectual property rights in connection with new solar power products may undermine our competitive position.***

As we develop and bring to market new solar power products, we may need to increase our expenditures to protect our intellectual property. Our failure to protect our intellectual property rights may undermine our competitive position. As of March 31, 2016, we had 468 patents and 165 patent applications pending in the PRC for products that contribute a relatively small percentage of our net revenues. We have seven U.S. patents. We also have three patents in Europe. We have registered the "Canadian Solar" trademark in the U.S., Australia, Canada, Europe, South Korea, Japan, the United Arab Emirates, Hong Kong and Peru and we have applied for registration of the "Canadian Solar" trademark in a number of other countries. As of March 31, 2016, we had 60 registered trademarks and nil trademark applications pending in the PRC, and 44 registered trademarks and 23 trademark applications pending outside of China. These intellectual property rights afford only limited protection and the actions we take to protect our rights as we develop new solar power products may not be adequate. Policing the unauthorized use of proprietary technology can be difficult and expensive. In addition, litigation, which can be costly and divert management attention, may be necessary to enforce our intellectual property rights, protect our trade secrets or determine the validity and scope of the proprietary rights of others.

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***We have limited insurance coverage and may incur significant losses resulting from operating hazards, product liability claims or business interruptions.***

Our operations involve the use, handling, generation, processing, storage, transportation and disposal of hazardous materials, which may result in fires, explosions, spills and other unexpected or dangerous accidents causing personal injuries or death, property damages, environmental damages and business interruption. Although we currently carry third-party liability insurance against property damages, the policies for this insurance are limited in scope and may not cover all claims relating to personal injury, property or environmental damage arising from incidents on our properties or relating to our operations. See "Item 4. Information on the Company B. Business Overview Insurance." Any occurrence of these or other incidents which are not insured under our existing insurance policies could have a material adverse effect on our business, financial condition or results of operations.

We are also exposed to risks associated with product liability claims in the event that the use of our solar power products results in injury. See " Product liability claims against us could result in adverse publicity and potentially significant monetary damages." Although we carry limited product liability insurance, we may not have adequate resources to satisfy a judgment if a successful claim is brought against us.

In addition, the normal operation of our manufacturing facilities may be interrupted by accidents caused by operating hazards, power supply disruptions, equipment failure, as well as natural disasters. While our manufacturing plants in China and elsewhere are covered by business interruption insurance, any significant damage or interruption to these plants could still have a material and adverse effect on our results of operations.

***If our internal control over financial reporting or disclosure controls and procedures are not effective, investors may lose confidence in our reported financial information, which could lead to a decline in our share price.***

We are subject to the reporting obligations under U.S. securities laws. The SEC, as required by Section 404 of the Sarbanes-Oxley Act of 2002, has adopted rules requiring every public company to include a management report on its internal control over financial reporting in its annual report, which contains management's assessment of the effectiveness of its internal control over financial reporting. In addition, an independent registered public accounting firm must report on the effectiveness of our internal controls over financial reporting. As of December 31, 2015, our management concluded that our internal control over financial reporting was effective. However, we cannot assure you that material weaknesses in our internal controls over financial reporting will not be identified in the future. Any material weaknesses in our internal controls could cause us not to meet our periodic reporting obligations in a timely manner or result in material misstatements in our financial statements. Material weaknesses in our internal controls over financial reporting could also cause investors to lose confidence in our reported financial information, leading to a decline in the market price of our common shares.

***The audit report included in our annual report on Form 20-F was prepared by auditors who are not inspected by the Public Company Accounting Oversight Board and, as a result, you are deprived of the benefits of such inspection.***

The independent registered public accounting firm that issues the audit reports included in our annual reports filed with the SEC, as auditors of companies that are traded publicly in the U.S. and a firm registered with the Public Company Accounting Oversight Board (United States), or the PCAOB, is required by the laws of the U.S. to undergo regular inspections by the PCAOB to assess its compliance with the laws of the U.S. and professional standards. Because our auditors are located in

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the PRC, a jurisdiction where the PCAOB is currently unable to conduct inspections without the approval of the PRC authorities, our auditors are not currently inspected by the PCAOB.

Inspections of other firms that the PCAOB has conducted outside China have identified deficiencies in those firms' audit procedures and quality control procedures, which may be addressed as part of the inspection process to improve future audit quality. This lack of PCAOB inspections in China prevents the PCAOB from regularly evaluating our auditor's audits and its quality control procedures. As a result, investors may be deprived of the benefits of PCAOB inspections.

The inability of the PCAOB to conduct inspections of auditors in China makes it more difficult to evaluate the effectiveness of our auditor's audit procedures or quality control procedures as compared to auditors outside of China that are subject to PCAOB inspections. As a result, investors may lose confidence in our reported financial information and procedures and the quality of our financial statements.

***If additional remedial measures are imposed on the big four PRC-based accounting firms, including our independent registered public accounting firm, in administrative proceedings brought by the SEC alleging the firms' failure to meet specific criteria set by the SEC, with respect to requests for the production of documents, we could be unable to timely file future financial statements in compliance with the requirements of the Exchange Act.***

Beginning in 2011, the Chinese affiliates of the "big four" accounting firms (including our independent registered public accounting firm) were affected by a conflict between the U.S. and Chinese law. Specifically, for certain U.S. listed companies operating and audited in the PRC, the SEC and the PCAOB sought to obtain access to the audit work papers and related documents of the Chinese affiliates of the "big four" accounting firms. The accounting firms were, however, advised and directed that, under Chinese law, they could not respond directly to the requests of the SEC and the PCAOB and that such requests, and similar requests by foreign regulators for access to such papers in China, had to be channeled through the China Securities Regulatory Commission, or CSRC.

In late 2012, this impasse led the SEC to commence administrative proceedings under Rule 102(e) of its Rules of Practice and also under the Sarbanes-Oxley Act of 2002 against the "big four" accounting firms (including our independent registered public accounting firm). A first instance trial of these proceedings in July 2013 in the SEC's internal administrative court resulted in an adverse judgment against the firms. The administrative law judge proposed penalties on the firms, including a temporary suspension of their right to practice before the SEC. Implementation of the latter penalty was postponed pending review by the SEC Commissioners. On February 6, 2015, before a review by the Commissioner had taken place, the firms reached a settlement with the SEC. Under the settlement, the SEC accepts that future requests by the SEC for the production of documents will normally be made to the CSRC. The firms will receive matching Section 106 requests, and are required to abide by a detailed set of procedures with respect to such requests, which in substance require them to facilitate production via the CSRC. If the firms fail to follow these procedures and meet certain other specified criteria, the SEC retains the authority to impose a variety of additional remedial measures, including, as appropriate, an automatic six-month bar on a firm's ability to perform certain audit work, commencement of new proceedings against a firm or, in extreme cases, the resumption of the current administrative proceeding against all four firms.

In the event that the SEC restarts administrative proceedings, depending upon the final outcome, listed companies in the U.S. with major PRC operations may find it difficult or impossible to retain auditors in respect of their operations in the PRC, which could result in their financial statements being determined to not be in compliance with the requirements of the Securities Exchange Act of 1934, as amended, or the Exchange Act, including possible delisting. Moreover, any negative news about any

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such future proceedings against the firms may cause investor uncertainty regarding China-based, U.S.-listed companies and the market price of their shares may be adversely affected.

If our independent registered public accounting firm was denied, even temporarily, the ability to practice before the SEC and we were unable to timely find another registered public accounting firm to audit and issue an opinion on our financial statements, our financial statements could be determined not to be in compliance with the requirements of the Exchange Act. Such a determination could ultimately lead to the delisting of our shares from the NASDAQ Stock Market LLC, or Nasdaq, or deregistration from the SEC, or both, which would substantially reduce or effectively terminate the trading of our shares in the U.S.

***Our independent registered public accounting firm, Deloitte China, recently advised our audit committee that they had identified a matter that raised concerns in relation to the SEC's auditor independence rules.***

The Spanish Member Firm of Deloitte Touche Tohmatsu Limited, or Deloitte Spain, provided an element of impermissible services as part of certain otherwise permissible tax compliance services to our subsidiary in Spain, or the Spanish Subsidiary, which only became our subsidiary after we acquired Recurrent Energy, LLC, or Recurrent, in March 2015. These impermissible services were not consistent with the SEC's auditor independence rules. Specifically, it was discovered that Deloitte Spain processed certain tax payments at the request of the Spanish Subsidiary, after management had reviewed and approved such payments, which included cash handling by Deloitte Spain. These impermissible services continued through early September 2015, when upon identification they were promptly terminated. The fees paid to Deloitte Spain for such services were insignificant. Deloitte Touche Tohmatsu Certified Public Accountants LLP, or Deloitte China, informed our audit committee that, during the period that these services were being provided by Deloitte Spain, Deloitte China's audit team was not aware that these impermissible services were provided to the Spanish Subsidiary. As a measure taken in response to the matter described above, Deloitte China performed procedures to verify that the amount of cash handled related solely to the tax compliance services, that the amount of cash remitted to the tax authority equated to amounts included in tax filings and that cash was remitted to the tax authority timely. Accordingly, for the reasons noted above, Deloitte China advised our audit committee that their objectivity, integrity, and impartiality was not impaired with respect to planning and executing the audits during 2015.

Our audit committee also reviewed and considered the impact that these matters may have had on Deloitte China's independence with respect to it under the applicable SEC and PCAOB independence rules. After considering all the facts and circumstances, our audit committee determined that the matter would not impair Deloitte China's ability to exercise objective and impartial judgment on all issues encompassed within their audit engagements during 2015.

**Risks Related to Doing Business in China**

***The enforcement of the labor contract law and increases in labor costs in the PRC may adversely affect our business and our profitability.***

The Labor Contract Law came into effect on January 1, 2008, and was later revised on December 28, 2012; the Implementation Rules and the amendment thereunder became effective on September 18, 2008 and July 1, 2013, respectively. The Labor Contract Law and the Implementation Rules imposed stringent requirements on employers with regard to executing written employment contracts, hiring temporary employees, dismissing employees, consultation with the labor union and employee assembly, compensation upon termination and overtime work, collective bargaining and labor dispatch business. In addition, under the Regulations on Paid Annual Leave for Employees, which came into effect on January 1, 2008, and their Implementation Measures, which were promulgated and became effective on September 18, 2008, employees who have served for more than one year with an

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employer are entitled to a paid vacation ranging from five to 15 days, depending on their length of service. Employees who waive such vacation time at the request of the employer must be compensated for each vacation day waived at a rate equal to three times their normal daily salary. According to the Interim Provisions on Labor Dispatching, which came into effect on March 1, 2014, the number of dispatched workers used by an employer shall not exceed 10% of its total number of workers. Our labor costs are expected to continue to increase due to these new laws and regulations. Higher labor costs and labor disputes with our employees stemming from these new rules and regulations could adversely affect our business, financial condition, and results of operations.

***In recent years, our subsidiaries have lost certain tax benefits and we expect to pay additional PRC taxes as a result, which could have a material and adverse impact on our financial condition and results of operations.***

On January 1, 2008, the Enterprise Income Tax Law, or the EIT Law, came into effect in China. Under the EIT Law, both foreign-invested enterprises and domestic enterprises are subject to a uniform enterprise income tax rate of 25%. The EIT Law provides for preferential tax treatment for certain categories of industries and projects that are strongly supported and encouraged by the state. For example, enterprises qualified as a "High and New Technology Enterprise," or HNTE, are entitled to a 15% enterprise income tax rate provided that such HNTE satisfies other applicable statutory requirements.

Certain of our PRC subsidiaries, such as CSI New Energy Holding Co., Ltd. (formerly, CSI Solar Manufacture Inc.), or CSI New Energy Holding, CSI Cells Co., Ltd., or CSI Cells, Canadian Solar Manufacturing (Luoyang) Inc., or CSI Luoyang Manufacturing, Canadian Solar Manufacturing (Changshu) Inc., or CSI Changshu Manufacturing, once enjoyed preferential tax benefits, such as a reduced enterprise income tax rate of 12.5%, however, these benefits were expired. In 2015, only our partially owned subsidiary, Suzhou Sanysolar Materials Technology Co., Ltd., or Suzhou Sanysolar, which was qualified as an HNTE and satisfied applicable statutory requirements, enjoyed a reduced enterprise income tax rate of 15%. As most of the preferential tax benefits enjoyed by our PRC subsidiaries expired, their effective tax rates increased significantly.

***There are significant uncertainties regarding our tax liabilities with respect to our income under the EIT Law.***

We are a Canadian company with a significant portion of our manufacturing operations in China. Under the EIT Law and its implementation regulations, both of which became effective on January 1, 2008, enterprises established outside China whose "de facto management body" is located in China are considered PRC tax residents and will generally be subject to the uniform 25% enterprise income tax rate on their global income. Under the implementation regulations, the term "de facto management body" is defined as substantial and overall management and control over aspects such as the production and business, personnel, accounts and properties of an enterprise. The Circular on Identification of China-controlled Overseas-registered Enterprises as Resident Enterprises on the Basis of Actual Management Organization, or Circular 82, further provides certain specific criteria for determining whether the "de facto management body" of a PRC-controlled offshore incorporated enterprise is located in the PRC. The criteria include whether (a) the premises where the senior management and the senior management bodies responsible for the routine production and business management of the enterprise perform their functions are mainly located within the PRC, (b) decisions relating to the enterprise's financial and human resource matters are made or subject to approval by organizations or personnel in the PRC, (c) the enterprise's primary assets, accounting books and records, company seals, and board and shareholders' meeting minutes are located or maintained in the PRC and (d) 50% or more of voting board members or senior executives of the enterprise habitually reside in the PRC. Although Circular 82 only applies to offshore enterprises controlled by enterprises or enterprise groups located within the PRC, the determining criteria set forth in the Circular 82 may reflect the tax authorities' general position on how the "de facto management body" test may be



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applied in determining the tax resident status of offshore enterprises. As the tax resident status of an enterprise is subject to the determination by the PRC tax authorities, uncertainties remain with respect to the interpretation of the term "de facto management body" as applicable to our offshore entities. As a substantial number of the members of our management team are located in China, we may be considered as a PRC tax resident under the EIT Law and, therefore, subject to the uniform 25% enterprise income tax rate on our global income, but dividends received by us from our PRC subsidiaries may be exempt from the income tax. If our global income is subject to PRC enterprise income tax at the rate of 25%, our financial condition and results of operation may be materially and adversely affected.

***Dividends paid by us to our non-PRC shareholders and gains on the sale of our common shares by our non-PRC shareholders may be subject to PRC enterprise income tax liabilities or individual income tax liabilities.***

Under the EIT Law and its implementation regulations, dividends paid to a non-PRC investor are generally subject to a 10% PRC withholding tax, if such dividends are derived from sources within China and the non-PRC investor is considered to be a non-resident enterprise without any establishment or place within China or if the dividends paid have no connection with the non-PRC investor's establishment or place within China, unless such tax is eliminated or reduced under an applicable tax treaty. Similarly, any gain realized on the transfer of shares by such investor is also subject to a 10% PRC withholding tax if such gain is regarded as income derived from sources within China, unless such tax is eliminated or reduced under an applicable tax treaty.

The implementation regulations of the EIT Law provide that (a) if the enterprise that distributes dividends is domiciled in the PRC, or (b) if gains are realized from transferring equity interests of enterprises domiciled in the PRC, then such dividends or capital gains shall be treated as China-sourced income.

Currently there are no detailed rules applicable to us that govern the procedures and specific criteria for determining the meaning of being "domiciled" in the PRC. As a result, it is not clear how the concept of domicile will be interpreted under the EIT Law. Domicile may be interpreted as the jurisdiction where the enterprise is incorporated or where the enterprise is a tax resident. As a result, if we are considered a PRC "resident enterprise" for tax purposes, it is possible that the dividends we pay with respect to our common shares to non-PRC enterprises, or the gain non-PRC enterprises may realize from the transfer of our common shares or our convertible notes, would be treated as income derived from sources within China and be subject to the PRC withholding tax at a rate of 10% or a lower applicable treaty rate for enterprises.

Under the Law of the People's Republic of China on Individual Income Tax, or the IIT Law, individual income tax is payable on PRC-source dividend income. The implementation regulations of the IIT Law provide that income from dividends derived from companies, enterprises and other economic organizations in China as well as income realized from transfer of properties in China is considered derived from sources inside China, regardless of whether the place of payment was inside China. Therefore, if we are treated as a company in China for tax purposes, any dividends we pay to our non-PRC individual shareholders as well as any gains realized by our non-PRC individual shareholders or our non-PRC individual note holders from the transfer of our common shares or our convertible notes may be regarded as China-sourced income and, consequently, be subject to PRC withholding tax at a rate of up to 20% or a lower applicable treaty rate for individuals. The investment returns of our non-PRC investors may be materially and adversely affected if any dividends we pay, or any gains realized on a transfer of our common shares, are subject to PRC tax.

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***We face uncertainty from the PRC State Administration of Taxation's Announcement on Several Issues Concerning the Enterprise Income Tax on Indirect Property Transfer by Non-Resident Enterprises.***

The PRC State Administration of Taxation, or the SAT, issued the Circular on Strengthening the Management of Enterprise Income Tax Collection of Income Derived by Non-resident Enterprises from Equity Transfers, or Circular 698, on December 10, 2009. Under Circular 698, an overseas investor (actual controlling party) who "indirectly transfers" the equity of a PRC resident enterprise, is required to report such transfer to the PRC tax authority if certain statutory requirements are satisfied. In March 2015, the SAT issued the Announcement on Several Issues Concerning the Enterprise Income Tax on Indirect Property Transfer by Non-Resident Enterprises, or Announcement 7, which further regulated and strengthened the administration of enterprise income tax on indirect transfer of properties such as equity in a Chinese resident enterprise, and the above stipulations of Circular 698 were repealed simultaneously.

Under Announcement 7, where a non-resident enterprise indirectly transfers properties, such as equity of Chinese resident enterprises, without any reasonable commercial purposes with the aim of avoiding payment of enterprise income tax, such indirect transfer shall be reclassified as a direct transfer of equity of a Chinese resident enterprise. Properties such as equity in Chinese resident enterprises mentioned in Announcement 7 mean the properties, or Chinese taxable properties, which are directly held by non-resident enterprises and subject the transfer income to enterprise income tax in China according to the provisions of Chinese tax law. Indirect transfers of Chinese taxable properties are transactions which transfer the equity and other similar interests (hereinafter referred to as "equity") of enterprises abroad that directly or indirectly hold Chinese taxable properties (not including Chinese resident enterprises registered abroad). To estimate reasonable commercial purposes, all arrangements related to the indirect transfer of Chinese taxable properties must be considered comprehensively and certain factors, such as whether the main value of the equity of enterprises abroad is directly or indirectly from the Chinese taxable properties, must be comprehensively analyzed. Except for the circumstances stipulated therein, the overall arrangements related to the indirect transfer of Chinese taxable properties that fall in any of the following circumstances simultaneously are deemed as having no reasonable commercial purposes: (a) more than 75% of the equity of enterprises abroad is directly or indirectly from Chinese taxable properties; (b) more than 90% of the total assets (not including cash) of enterprises abroad are directly or indirectly composed of investment in the territory of China at any time in the year before the indirect transfer of Chinese taxable properties, or more than 90% of the income of enterprises abroad is directly or indirectly from the territory of China in the year before the indirect transfer of Chinese taxable properties; (c) although the enterprises abroad and their subordinate enterprises directly or indirectly hold Chinese taxable properties have registered in the host country (region) in order to satisfy the organization form required by law, the functions actually performed and the risks undertaken are limited and are not sufficient to prove the economic essence; or (d) the burden of income tax of indirect transfer of Chinese taxable properties payable abroad is lower than the possible burden of taxation in China as for the direct transfer of Chinese taxable properties. However, a non-resident enterprise's income obtained from indirect transfer of Chinese taxable properties by purchasing and selling equity of the same listed enterprise abroad in the open market will not be taxed under Announcement 7.

There is uncertainty as to the application of Announcement 7 and it is understood that the relevant PRC tax authorities have jurisdiction regarding reasonable commercial purposes. As a result, we may become at risk of being taxed under Announcement 7 and we may be required to expend valuable resources to comply with Announcement 7 or to establish that we should not be taxed under Announcement 7, which may materially adversely affect our financial condition and results of operations.

We do not believe that the transfer of our common shares or the convertible notes by our non-PRC shareholders would be treated as an indirect transfer of equity in our PRC subsidiaries

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subject to Announcement 7. However, there is uncertainty as to the interpretation and application of Announcement 7 by the PRC tax authorities in practice. If you are required to pay PRC tax on the transfer of our common shares or convertible notes, your investment in us may be materially and adversely affected. In addition, we cannot predict how Announcement 7 will affect our financial condition or results of operations.

***Restrictions on currency exchange may limit our ability to receive and use our revenues effectively.***

Certain of our revenues and expenses are denominated in Renminbi. If our revenues denominated in Renminbi increase or our expenses denominated in Renminbi decrease in the future, we may need to convert a portion of our revenues into other currencies to meet our foreign currency obligations. Under China's existing foreign exchange regulations, our PRC subsidiaries are able to pay dividends in foreign currencies without prior approval from the State Administration of Foreign Exchange, or SAFE, by complying with certain procedural requirements. However, we cannot assure you that the PRC government will not take further measures in the future to restrict access to foreign currencies for current account transactions.

Foreign exchange transactions by our PRC subsidiaries under most capital accounts continue to be subject to significant foreign exchange controls and require the approval of or registration with PRC governmental authorities. In particular, if we finance our PRC subsidiaries by means of additional capital contributions, certain government authorities, including the Ministry of Commerce or its local counterparts, must approve these capital contributions. These limitations could affect the ability of our PRC subsidiaries to obtain foreign exchange through equity financing.

***Uncertainties with respect to the Chinese legal system could materially and adversely affect us.***

We conduct a significant portion of our manufacturing operations through our subsidiaries in China. These subsidiaries are generally subject to laws and regulations applicable to foreign investment in China and, in particular, laws applicable to wholly foreign-owned enterprises and joint venture companies. The PRC legal system is based on written statutes. Prior court decisions may be cited for reference but have limited precedential value. Since 1979, PRC legislation and regulations have significantly enhanced the protections afforded to various forms of foreign investments in China. However, since these laws and regulations are relatively new and the PRC legal system is still developing, the implementation and enforcement of many laws, regulations and rules may be inconsistent, which may limit legal protections available to us. In addition, any litigation in China may be protracted and may result in substantial costs and divert our resources and the attention of our management.

**Risks Related to Our Common Shares**

***We may issue additional common shares, other equity or equity-linked or debt securities, which may materially and adversely affect the price of our common shares. Hedging activities may depress the trading price of our common shares.***

We may issue additional equity, equity-linked or debt securities for a number of reasons, including to finance our operations and business strategy (including in connection with acquisitions, strategic collaborations or other transactions), to satisfy our obligations for the repayment of existing indebtedness, to adjust our ratio of debt to equity, to satisfy our obligations upon the exercise of outstanding warrants or options or for other reasons. Any future issuances of equity securities or equity-linked securities could substantially dilute the interests of our existing shareholders and may materially and adversely affect the price of our common shares. We cannot predict the timing or size of any future issuances or sales of equity, equity-linked or debt securities, or the effect, if any, that such

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issuances or sales, may have on the market price of our common shares. Market conditions could require us to accept less favorable terms for the issuance of our securities in the future.

***The market price for our common shares may be volatile.***

The market price for our common shares has been highly volatile and subject to wide fluctuations. During the period from November 9, 2006, the first day on which our common shares were listed on the Nasdaq Global Market, until December 31, 2015, the market price of our common shares ranged from \$1.95 to \$51.80 per share. From January 1, 2015 to December 31, 2015, the market price of our common shares ranged from \$14.16 to \$40.08 per share. The closing market price of our common shares on December 31, 2015 was \$28.96 per share. The market price of our common shares may continue to be volatile and subject to wide fluctuations in response to a wide variety of factors, including the following:

- announcements of technological or competitive developments;
- regulatory developments in our target markets affecting us, our customers or our competitors;
- actual or anticipated fluctuations in our quarterly operating results;
- changes in financial estimates by securities research analysts;
- changes in the economic performance or market valuations of other solar power companies;
- the departure of executive officers and key research personnel;
- patent litigation and other intellectual property disputes;
- litigation and other disputes with our long-term suppliers;
- fluctuations in the exchange rates between the U.S. dollar, the Euro and the RMB;
- the release or expiration of lock-up or other transfer restrictions on our outstanding common shares; and
- sales or anticipated sales of additional common shares.

In addition, the securities market has from time to time experienced significant price and volume fluctuations that are not related to the operating performance of particular companies. These market fluctuations may also have a material and adverse effect on the price of our common shares.

***Substantial future sales of our common shares in the public market, or the perception that such sales could occur, could cause the price of our common shares to decline.***

Sales of our common shares in the public market, or the perception that such sales could occur, could cause the market price of our common shares to decline. As of December 31, 2015, we had 55,965,443 common shares outstanding. The number of common shares outstanding and available for sale will increase when our employees and former employees who are holders of restricted share units and options to acquire our common shares become entitled to the underlying shares under the terms of their units or options. In addition, in connection with a

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\$180 million senior loan facility, we issued warrants to purchase up to 1,348,040 of our common shares at an exercise price of \$24.48 per share in October 2015, and we issued additional warrants to purchase up to 940,171 of our common shares at an exercise price of \$28.08 per share in December 2015. The warrant holders are entitled to request to participate in any public offering of our common shares for which we undertake any marketing efforts. To the extent these shares are sold into the market, the market price of our common shares could decline.

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***Your right to participate in any future rights offerings may be limited, which may cause dilution to your holdings.***

We may from time to time distribute rights to our shareholders, including rights to acquire our securities. However, we cannot make these rights available in the United States unless we register the rights and the securities to which the rights relate under the Securities Act or an exemption from the registration requirements is available. We are under no obligation to file a registration statement with respect to any such rights or securities or to endeavor to cause a registration statement to be declared effective. Moreover, we may not be able to establish an exemption from registration under the Securities Act. Accordingly, you may be unable to participate in our rights offerings and may experience dilution in your holdings.

***Our articles of continuance contain anti-takeover provisions that could adversely affect the rights of holders of our common shares.***

The following provisions in our amended articles of continuance may deprive our shareholders of the opportunity to sell their shares at a premium over the prevailing market price by delaying or preventing a change of control of our company:

Our board of directors has the authority, without approval from the shareholders, to issue an unlimited number of preferred shares in one or more series. Our board of directors may establish the number of shares to be included in each such series and may fix the designations, preferences, powers and other rights of the shares of a series of preferred shares.

Our board of directors is entitled to fix and may change the number of directors within the minimum and maximum number of directors provided for in our articles. Our board of directors may appoint one or more additional directors to hold office for a term expiring no later than the close of the next annual meeting of shareholders, subject to the limitation that the total number of directors so appointed may not exceed one-third of the number of directors elected at the previous annual meeting of shareholders.

***You may have difficulty enforcing judgments obtained against us.***

We are a corporation organized under the laws of Canada and a substantial portion of our assets are located outside of the United States. A substantial portion of our current business operations is conducted in the PRC. In addition, a majority of our directors and officers are nationals and residents of countries other than the United States and a substantial portion of the assets of these persons are located outside the United States. As a result, it may be difficult for you to effect service of process within the United States upon these persons. It may also be difficult for you to enforce judgments obtained in U.S. courts based on the civil liability provisions of the U.S. federal securities laws against us and our officers and directors, many of whom are not residents of the United States and whose assets are located in significant part outside of the United States. In addition, there is uncertainty as to whether the courts of Canada or the PRC would recognize or enforce judgments of U.S. courts against us or such persons predicated upon the civil liability provisions of the securities laws of the United States or any state. In addition, it is uncertain whether such Canadian or PRC courts would be competent to hear original actions brought in Canada or the PRC against us or such persons predicated upon the securities laws of the United States or any state.

***We may be classified as a passive foreign investment company, which could result in adverse United States federal income tax consequences to United States Holders of our common shares.***

Based on the current value of our assets and the composition of our income and assets, we do not believe we were a passive foreign investment company, or PFIC, for United States federal income tax purposes for our taxable year ended December 31, 2015. The structuring of the Yieldco IPO is not

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complete and our PFIC status for 2016 or any future taxable year may depend, in part, on the manner in which we operate our current and future solar power project assets. Therefore, we currently cannot express a view as to whether we will be a PFIC for the current taxable year ending December 31, 2016 or any future taxable year, even though we will use reasonable efforts to structure the Yieldco IPO and operate our current and future solar power projects to mitigate the risk that we will be a PFIC for the current taxable year ending December 31, 2016. A non-United States corporation such as ourselves will be treated as a PFIC for United States federal income tax purposes for any taxable year if, applying applicable look-through rules, either (a) at least 75% of its gross income for such year is passive income or (b) at least 50% of the value of its assets (determined based on a quarterly average) during such year is attributable to assets that produce or are held for the production of passive income. The determination of PFIC status is based on an annual determination that cannot be made until the close of a taxable year, involves extensive factual investigation, including ascertaining the fair market value of all of our assets on a quarterly basis and the character of each item of income that we earn, and is subject to uncertainty in several respects. In particular, the application of the PFIC rules to certain of our business lines is complex and unclear, and we cannot guarantee that the United States Internal Revenue Service, or IRS, will agree with any positions that we ultimately take. Accordingly, we cannot assure you that we will not be treated as a PFIC for any taxable year or that the U.S. IRS will not take a contrary position.

Changes in the composition of our income or composition of our assets may cause us to become a PFIC. The determination of whether we will be a PFIC for any taxable year may depend in part upon the value of our goodwill and other unbooked intangibles not reflected on our balance sheet (which may depend upon the market value of the common shares from time to time, which may be volatile) and also may be affected by how, and how quickly, we spend our liquid assets. Further, while we believe our classification methodology and valuation approach is reasonable, it is possible that the IRS may challenge our classification or valuation of our goodwill and other unbooked intangibles.

If we are a PFIC for any taxable year during which a United States Holder (as defined in "Item 10. Additional Information E. Taxation United States Federal Income Taxation") holds a common share, certain adverse United States federal income tax consequences could apply to such United States Holder. See "Item 10. Additional Information E. Taxation United States Federal Income Taxation Passive Foreign Investment Company."

**ITEM 4. INFORMATION ON THE COMPANY**

**A. History and Development of the Company**

Our legal and commercial name is Canadian Solar Inc. We were incorporated under the laws of the Province of Ontario, Canada in October 2001. We changed our jurisdiction by continuing under the Canadian federal corporate statute, the Canada Business Corporations Act, or CBCA, effective June 1, 2006. As a result, we are governed by the CBCA. See " C. Organizational Structure" for additional information on our corporate structure, including a list of our major subsidiaries.

Our principal executive office and principal place of business is located at 545 Speedvale Avenue West, Guelph, Ontario, Canada N1K 1E6. Our telephone number at this address is (1-519) 837-1881 and our fax number is (1-519) 837-2550.

All inquiries to us should be directed at the address and telephone number of our principal executive office set forth above. Our website is [www.canadiansolar.com](http://www.canadiansolar.com). The information contained on or accessible through our website does not form part of this annual report.

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**B. Business Overview**

*Overview*

We are one of the world's largest and leading solar power companies. We are a leading vertically integrated provider of solar power products, services and system solutions with operations in North America, South America, Europe, Africa, the Middle East, Australia and Asia.

We design, develop, and manufacture solar wafers, solar cells and solar power products. Our solar power products include standard solar modules and specialty solar products. We are incorporated in Canada and conduct most of our manufacturing operations in China. Our products include a range of solar modules built to general specifications for use in a wide range of residential, commercial and industrial solar power generation systems. Specialty solar products consist of customized solar modules that our customers incorporate into their own products and complete specialty products, such as portable solar home systems. We sell our products primarily under our "Canadian Solar" brand name.

In recent years, we have increased our investment in, and management attention on, our energy development and electricity generation segments. Our energy development segment consists primarily of solar power project development, EPC services and O&M services. Our electricity generation segment consists primarily of holding solar power projects for the purpose of generating and selling electricity to the local or national grid or other power purchasers. As we have continued to expand our business into this downstream portion of the industry, our energy development and electricity generation segments combined have grown to 28.2% of our net revenues in 2015, compared to 41.0% in 2014 and 19.6% in 2013. In the future, we intend to grow our energy development segment by growing our project pipeline and the number of customers of our EPC services and O&M services. We also plan to grow our electricity generation segment by holding more projects to generate revenue from the sales of electricity. In March 2015, we significantly increased our solar project pipeline when we acquired Recurrent, a leading solar energy developer with solar power projects located principally in California and Texas. As of December 31, 2015, we had a total solar project pipeline of 10.3 GWp and a late-stage project pipeline, comprising self-owned and joint venture projects and EPC contracts, in Canada, Japan, the U.S., the United Kingdom, Brazil and China, totaling 2.0 GWp. See "Sales, Marketing and Customers - Energy Development Segment - Solar Project Development" for a description of the status of our solar power projects.

We are preparing to potentially form a globally diversified, dividend growth-oriented partnership, or Yieldco, to own, operate and acquire long-term contracted renewable energy generation assets with consistent cash flows in attractive markets. If successful, we expect to own a general partner interest in Yieldco and offer economic interests to public shareholders. The cash produced from projects owned by the operating subsidiaries of Yieldco will be distributed up to Yieldco, which will in turn distribute the cash to Yieldco's public shareholders and, in certain circumstances, to us. Yieldco's strategy is to rapidly expand and diversify its portfolio of assets by acquiring, from us and unaffiliated third parties, utility-scale solar projects and commercial and industrial distributed solar energy assets, as well as other renewable energy generation assets equipped with proven and reliable technologies. We expect that Yieldco's initial target markets will be Canada, Japan, Spain, the United Kingdom and the United States, and other selected markets primarily within OECD countries. In November 2015, we confidentially submitted a draft registration statement on Form S-1 to the SEC relating to the proposed initial public offering of the Yieldco. The initial public offering process is subject to the SEC review process and market and other conditions.

We believe that we offer one of the broadest crystalline silicon solar power product lines in the industry. Our product lines range from modules of medium power to high efficiency, high-power output mono-crystalline modules, as well as a range of specialty products. We currently sell our products to a diverse customer base in various markets worldwide, including China, Japan, the U.S., Germany, Spain,



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Italy, France, the Czech Republic, Canada, India and the United Kingdom. Our customers primarily include distributors, system integrators, project developers and installers/EPC companies.

We employ a flexible vertically integrated business model that combines internal manufacturing capacity with direct material purchases of both cells and wafers. We believe this approach has benefited us by lowering the cost of materials of our solar module products. We also believe that this approach provides us with greater flexibility to respond to short-term demand increases.

As of December 31, 2015, we had:

4.33 GW of total annual solar module manufacturing capacity, approximately 500 MW of which is located in Ontario, Canada, 330 MW in South East Asia and the rest in China;

2.7 GW of total annual solar cell manufacturing capacity located in China; and

400 MW of total annual ingot and wafer manufacturing capacity located in China.

We plan to expand our wafer, cell and module capacities to 1.0 GW, 3.9 GW and 5.73 GW, respectively, by December 31, 2016.

We intend to use substantially all of the silicon wafers that we manufacture to supply our own solar cell plants and to use substantially all of the solar cells that we manufacture to produce our own solar module products. We also intend to use some of the solar modules we produce in our energy development and electricity generation segments. Our total manufacturing costs in China, including purchased polysilicon, wafers and cells, decreased from \$0.52 per watt in December 2013 to \$0.48 per watt in December 2014 and to \$0.40 per watt in December 2015. We expect to continue to decrease the manufacturing costs for our production of wafers, cells and modules.

We continue to focus on reducing our manufacturing costs by improving solar cell conversion efficiency, enhancing manufacturing yields and reducing raw material costs. In January 2009, we established a new solar cell efficiency research center to develop more efficient cell structures, and we have been making ongoing improvements in solar cell conversion efficiency and product cost control. We began shipping new products, such as higher efficiency modules, in late 2011. We have successfully developed and launched additional new high efficiency cells and modules in the past few years and expect to increase the sales volumes of these products in the future.

***Our Products and Services***

Our business consists of the following three business segments: (a) module segment, (b) energy development segment and (c) electricity generation segment. Our module segment primarily involves the design, development, manufacturing and sale of a wide range of solar power products, including standard solar modules and specialty solar products, and solar system kits. Our energy development segment consists of solar power project development, EPC services and O&M services. Our electricity generation segment consists of holding solar power projects for the purpose of generating income from the sale of electricity to the local or national grid or other power purchasers.

*Products Offered in Our Module Segment*

*Standard Solar Modules*

Our standard solar modules are arrays of interconnected solar cells in weatherproof encapsulation. We produce a wide variety of standard solar modules, ranging from 3 W to over 335 W in power and using multi-crystalline or mono-crystalline cells in several different design patterns. Our mainstream solar modules include standard CS6V (50 cells), CS6P/CS6K (60 cells), CS6X/CS6XA (72 cells), Dymond CS6K-P-FG (60 cells, double-glass) and Dymond CS6X-P-FG (72 cells, double-glass) modules, all using 6-inch solar wafers with the majority being multi-crystalline. The mainstream modules are

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designed for residential, commercial and utility applications. Small modules are for specialty applications.

We launched our Quartech modules in March 2013. Quartech modules use 4-busbar solar cell technology which improves module reliability and efficiency. We produced and shipped Quartech modules in large volume in 2014. CS6P (6 × 10 cell layout) Quartech modules have power output between 255 W and 270 W, which enables us to offer customers modules with high power. We launched and started shipping Dymond modules in October 2014. Dymond modules are designed with double-glass encapsulation, which is more reliable for harsh environments and ready for 1500V solar systems.

We launched and started shipping SmartDC modules in September 2015. SmartDC modules feature an innovative integration of our module technology and power optimization for grid-tied PV applications. By replacing the traditional junction-box, SmartDC modules eliminate module power mismatch, mitigate shading losses and optimize power output at module-level. SmartDC modules also provide module-level data to minimize operational costs and to permit effective system management.

In March 2016, we launched our new Quintech SuperPower mono modules. Quintech SuperPower mono modules are made of cells with PERC technology and significantly improve module efficiency and reliability. CS6K (6 × 10 cell layout aligned with mainstream dimensions) Quintech SuperPower mono modules have a power output between 285 W and 295 W and are high efficiency and high reliability. We expect to start commercial production of Quintech modules with conventional multi and mono cells in the second quarter of 2016.

At the beginning of 2015, we started commercial production of Onyx cells with our in-house developed black silicon technology, Onyx technology. Onyx technology employs a nano-texturing process to make the multi-crystalline cell almost fully black, increasing cell efficiency and module wattage at the same time. We started increasing the production volume of Onyx cells in 2016, which have been incorporated into our Quartech and Quintech module families.

We design our standard solar modules to be durable under harsh weather conditions and easy to transport and install. We sell our standard solar modules primarily under our brand name. Since we began selling our solar module products in March 2002, we have increased our annual module production capacity to 4.33 GW as of December 31, 2015.

Specialty Solar Products

Our specialty solar products are mainly Andes Solar Home System, or Andes SHS, and Maple Solar System, or Maple SS.

Andes SHS is an off-grid solar system, designed to provide an economical source of electricity to homes and communities without access to grid electricity or where electricity supply is scarce. The Andes SHS is portable, light-weight, and easy to set-up, making it ideal for situations where emergency power is required.

Maple SS is an economical, safe and clean energy solution for families who burn kerosene for lighting when darkness falls. It is a very convenient mobile power source for outdoor activities, such as camping, boating and hiking. Maple SS includes a solar panel, energy-efficient LED lights, Li-ion batteries and multiple cell phone charger plugs.

Solar System Kits

A solar system kit is a ready-to-install package consisting of solar modules produced by us and components, such as inverters, racking system and other accessories, supplied by third parties. We began selling solar system kits in 2010 and in 2015 sold them primarily to customers in Japan and Europe.

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*Products and Services Offered in Our Energy Development Segment*

*Solar Project Development*

We develop, build and sell solar power projects. Our solar project development activities have grown over the past several years through a combination of organic growth and acquisitions. Our global solar power project business develops projects primarily in Canada, Japan, the U.S., China, Brazil and the United Kingdom. Our team of experts specializes in project development, evaluations, system designs, engineering, managing, project coordination and organizing financing. See "Sales, Marketing and Customers Solar Project Development" for a description of the status of our solar power projects.

*EPC Services*

Our EPC services include engineering, procurement and construction work for solar power projects owned either by us or by third-parties. In late 2010, we began providing EPC services primarily in Canada and China. In 2015, we provided EPC services for 153.5MW of solar projects in Canada, China and Australia. The EPC services in China were provided through our affiliated company, Suzhou Gaochuangte New Energy Sources Development Co., Ltd., or Gaochuangte, in which we own a 40% equity interest.

*O&M Services*

Our O&M services include inspections, repair and replacement of plant equipment, site management and administrative support services. In the second half of 2012, we started to provide O&M services for solar power projects in commercial operation. In 2015, we provided O&M services primarily to the North American market.

*Products and Services Offered in Our Electricity Generation Segment*

In the fourth quarter of 2014, we began to operate certain of our solar projects in China for the purpose of generating income from the sale of electricity. As of December 31, 2015, we had a fleet of solar power plants in operation with an aggregate capacity of approximately 398.1 megawatt peak, or MWp. Revenue from the sale of electricity in 2015 totaled \$32.1 million, compared to \$2.9 million in 2014. In the future, we plan to expand our electricity generation segment by increasing the number of solar projects we hold and operate, either by retaining solar projects we develop or acquiring solar projects from third-parties.

***Supply Chain Management***

*Module Segment*

Our module segment depends on our ability to obtain a stable and cost-effective supply of polysilicon, silicon wafers and solar cells. In 2015, we purchased the large majority of the silicon wafers used in our solar modules from third parties, and our major silicon wafers suppliers were GCL (who accounted for 79.7% of our silicon wafer purchases), Yichang and LDK. Our major suppliers of solar cells in 2015 include Motech, Neo Solar and Tongwei. See "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Long-term supply agreements may make it difficult for us to adjust our raw material costs should prices decrease. Also, if we terminate any of these agreements, we may not be able to recover all or any part of the advance payments we have made to these suppliers and we may be subject to litigation."

Since 2011, the supply of polysilicon and silicon wafers has generally exceeded demand, particularly polysilicon. Polysilicon prices increased from approximately \$17.89 per kilogram by December 31, 2013 to approximately \$20.6 per kilogram by December 31, 2014 due to more balanced supply and demand, but then significantly decreased to \$13.7 per kilogram by December 31, 2015 due to a modest

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oversupply. In the future, we expect that polysilicon prices will remain low. We plan to continue to purchase all of our polysilicon requirements externally. Although we plan to increase our solar wafer manufacturing capacity, we expect to continue purchasing most of our silicon wafer requirements externally. We expect to continue to diversify our wafer and polysilicon suppliers, with a focus on top tier international suppliers.

*Silicon Raw Materials and Solar Wafers*

Silicon feedstock, which consists of high-purity solar grade silicon, is the starting point of the silicon based solar module supply chain.

Our silicon wafer agreements set forth price and quantity information, delivery terms and technical specifications. These agreements usually set forth specific price terms. However, most agreements also include mechanisms to adjust the prices, either upwards or downwards, based on market conditions.

We have entered into a number of long-term supply agreements with several silicon and wafer suppliers in order to secure a stable supply of raw materials to meet our production requirements. These suppliers included GCL, Neo Solar, Deutsche Solar, LDK and a UMG-Si supplier. In 2009 and thereafter, we amended our agreements with certain of these suppliers to adjust the purchase price to prevailing market prices at the time we place a purchase order and to reduce the quantity of products that we are required to purchase. Under our supply agreements with certain suppliers, and consistent with historical industry practice, we make advance payments prior to scheduled delivery dates. These advance payments are made without collateral and are credited against the purchase prices payable by us. See "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Long-term supply agreements may make it difficult for us to adjust our raw material costs should prices decrease. Also, if we terminate any of these agreements, we may not be able to recover all or any part of the advance payments we have made to these suppliers and we may be subject to litigation."

*Solar Cells*

In addition to manufacturing our own solar cells and having toll manufacturing arrangements with our solar cell suppliers, we purchase solar cells from a number of international and local suppliers.

Our solar cell agreements set forth price and quantity information, delivery terms and technical specifications. These agreements generally provide for a period of time during which we can inspect the product and request the seller to make replacements for damaged goods. We generally require the seller to bear the costs and risks of transporting solar cells until they have been delivered to the location specified in the agreement. We currently do not have any long-term supply agreements for solar cells with fixed price or quantity terms.

As we expand our business, we expect to increase our solar cell manufacturing capacity and diversify our solar cell supply channel to ensure we have the flexibility to adapt to future changes in the supply of, and demand for, solar cells.

*Energy Development Segment*

Our module segment supplies part of the solar modules used in our energy development segment. We also use our own engineers, construction workers and plant managers or hire third party contractors to build and operate the plants prior to sale.

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*Electricity Generation Segment*

Of the power plants that we hold and operate to generate revenues from the sale of electricity, 308.8 MWp are solar power projects that we built ourselves, and 89.3 MWp are operating solar power projects that we acquired from third parties.

***Manufacturing, Construction and Operation***

*Module Segment*

We assemble our solar modules by interconnecting multiple solar cells by tabbing and stringing them into a desired electrical configuration. We lay the interconnected cells, laminate them in a vacuum, cure them by heating and package them in a protective lightweight anodized aluminum frame. We seal and weatherproof our solar modules to withstand high levels of ultraviolet radiation, moisture and extreme temperatures.

We selectively use automation to enhance the quality and consistency of our finished products and to improve the efficiency of our manufacturing processes. Key equipment in our manufacturing process includes automatic laminators, simulators and solar cell testers. The design of our assembly lines provides flexibility to adjust the ratio of automated equipment to skilled labor in order to maximize quality and efficiency.

*Energy Development Segment*

We design, construct and maintain solar power projects primarily in China, Canada, Japan, U.S., China, Brazil and the United Kingdom. We engage in all aspects of the development and operation of solar power projects, including project selection, design, permitting, engineering, procurement, construction, installation, monitoring, operation and maintenance. We also provide EPC and O&M services to third-parties.

Our solar power projects development process primarily consists of the following stages:

*Market Due Diligence and Project selection.* We search for project opportunities globally with the goal of maintaining a robust and geographically diversified project portfolio. Our business team closely monitors the global solar power projects market and gathers market intelligence to identify project development opportunities. Our development team prepares market analysis reports, financial models and feasibility studies to guide us in evaluating and selecting solar power projects. As we consider undertaking new solar power projects, we weigh a number of factors including location, local policies and regulatory environment, financing costs and potential internal rate of returns.

*Project financing.* We typically include project financing plans in our financial models and feasibility studies. We finance our projects through our working capital and debt financing from local banks or international financing sources that require us to pledge project assets.

*Permitting and approval.* We either obtain the permits and approvals necessary for solar projects ourselves or we acquire projects that have already received the necessary permits and approvals. The permitting and approval process for solar power projects varies from country to country and often among local jurisdictions within a country.

*Project design, engineering, procurement and construction.* Our engineering team generally designs solar power projects to optimize performance while minimizing construction and operational costs and risks. The engineering design process includes the site layout and electrical design as well choosing the appropriate technology, in particular module and inverter types. We use solar modules produced by us and by third party manufacturers, and procure inverters and other equipment from third party suppliers. We generally construct solar projects in China through

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Gaochuangte, our affiliate in which we own a 40% equity interest and engage third-party contractors in some other countries.

*Electricity Generation Segment*

We operate and maintain our solar power projects in United Kingdom, United States, Canada, China, Japan and Spain. We sign grid-connection agreements and/or PPAs with the local grid companies. After a project is connected to the grid, we regularly inspect, monitor and manage the project site with the intention to maximize the utilization rate, rate of power generation and system life of the project.

***Quality Control and Certifications***

*Module Segment*

We have registered our quality control system according to the requirements of ISO 9001:2008 and ISO/TS 16949 standards. TUV Rheinland Group, a leading international service company that documents the safety and quality of products, systems and services, audits our quality systems. We inspect and test incoming raw materials to ensure their quality. We monitor our manufacturing processes to ensure quality control and we inspect finished products by conducting reliability and other tests.

We have obtained IEC 61215 and IEC 61730 (previously TUV Class II safety) European standards for sales in Europe. We have also obtained certifications of CAN ORD-UL 1703 and UL 1703, which allow us to sell products in North America. In 2009, we obtained the necessary certifications to sell our modules in Japan, South Korea and Great Britain and to several of the Chinese solar programs, including Golden Sun. In 2011, we completed IEC 61215, IEC 61730 and UL1703 certification for modules designed to be assembled from metal wrap-through cells. We also completed DLG ammonia resistance testing and obtained the salt mist certification for our leading module CS6P-P in 2011. In 2012, we achieved the highest ratings possible in the two most significant standard tests for ammonia resistance of solar modules, which were the IEC 62716 draft C ammonia corrosion test and the DLG standard test. In 2013, we extended the salt mist certification under IEC 61701 ed.2 Severity 1 to all of our standard modules at VDE (Verband Deutscher Elektrotechniker). In addition, we were able to register more key module types at JET for Japan; enhanced the maximum system voltage up to 1000V for our CSA (Canadian Standards Association) certification (North America), allowing significant cost reduction for our EPC partners; and again raised the ranking of CEC PTC ratings. In 2013, we extended our IEC and UL certifications to cover higher-power modules, up to 275 W for 60 cell models and 330 W for 72 cell models, through key technology improvements such as introduction of 4 bus bar cell design. We also again improved our CEC PTC ratings for the spearhead CS6P-P model, and have demonstrated suitability of our product portfolio for reliable long-term operation under various climates, through SGS IEC 60068-2-68 sand blowing certification and extensive Potential Induced Degradation, or PID, resistance testing at respected laboratories, such as Fraunhofer ISE, VDE and TUV SUD (Technischer Überwachungs-Verein Südteil Deutschland).

In 2012, the new half-cell module designed by our R&D team was fully certified by CSA and VDE, two worldwide recognized certification bodies. We also started providing our customers with third-party-approved PAN files (testing per IEC 61853-1) for all our key module series, allowing more accurate energy yield simulation and better return-on-investment analysis for their projects. In 2013, we obtained certifications for double glasses and DC-to-AC module designs. We will continue our efforts for general improvements in module and component designs and seek to obtain corresponding certifications. With the emergence of new markets that we are expanding into, we have made and expect to make efforts to comply with new certification schemes that apply to us, such as INMETRO for Brazil and the UNI9177 fire test for Italy that we have now complied with.

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In 2014, we received JET certification for our new high efficiency module series CS6V targeting the residential market, and also extended the highest power range of our mainstream CS6P-P model to 275 W in JET. We also completed full certification for our new Quartech (4 busbar cells), covering VDE/CSA/MCS-BBA/JET, which allows us to launch these products worldwide. Several state-of-the-art demonstration trials were implemented, such as a 5 kW system located in the desert-like environment of Australian Alice Springs DKASC center.

In 2015, we received several product certifications that support our new product launches. Our 60 and 72 cell double glass module series were certified by VDE, CSA and MCS-BBA, which allows us to launch these products worldwide. We also completed VDE and TUV-Rheinland certification (IEC61215/61730) of our new PERC mono 5 busbar premium module series. The PV connector T4 designed by us was certified by TUV-Rheinland and CSA to satisfy the latest and most stringent standards, namely IEC61852 and UL6703. We have updated our mainstream modules Life Cycle Analysis evaluation and have been granted verification certificate from TUV SUD to meet the PAS2050 and ISO14067 standards.

To support our electricity generation segment, we started implementing a state-of-the-art OPCT (On-going Performance Characterization Testing) program in cooperation with PVEL-DNVGL laboratory in 2015, which delivered extensive module performance characterization per IEC61853 series standards.

Our PV test laboratory is registered with the ISO 17025 quality improvement program, and has been accepted for the Mutual Data Acceptance Program by the CSA in Canada, VDE in Germany, Intertek in the U.S. and CGC in China (China General Certification Center). The PV test laboratory allows us to conduct some product certification testing in-house, which should decrease time-to-market and certification costs.

### *Energy Development and Electricity Generation Segments*

As of the end of 2015, we have received global certifications of ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007 for development and engineering with management of construction and O&M services of solar power solutions in the Americas and Asia-Pacific regions.

Our residential energy storage system (ESS) product, specifically conceived for the Australian market, has been certified by TUV SUD and SAA (Standards Australia International Limited), according to standards IEC62109 and IEC62040.

### *Sales, Marketing and Customers*

The following table sets forth, for the periods indicated, certain information relating to our total net revenues derived from our customers categorized by their geographic locations for the periods indicated:

| Region                                       | Years Ended December 31, |              |                       |              |                       |              |
|--|--------------------------|--------------|-----------------------|--------------|-----------------------|--------------|
|  | 2013                     |              | 2014                  |              | 2015                  |              |
|  | Total Net<br>Revenues    | %            | Total Net<br>Revenues | %            | Total Net<br>Revenues | %            |
| (In thousands of \$, except for percentages) |                          |              |                       |              |                       |              |
| Asia   | 870,189                  | 52.6         | 905,092               | 30.6         | 1,384,243             | 39.9         |
| Americas                                     | 588,279                  | 35.6         | 1,795,490             | 60.6         | 1,750,000             | 50.5         |
| Europe and others                            | 195,888                  | 11.8         | 260,045               | 8.8          | 333,383               | 9.6          |
| <b>Total</b>                                 | <b>1,654,356</b>         | <b>100.0</b> | <b>2,960,627</b>      | <b>100.0</b> | <b>3,467,626</b>      | <b>100.0</b> |

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*Module Segment*

Our primary customers are distributors, system integrators, project developers and installers/EPC companies. A small number of customers have historically accounted for a major portion of our net revenues. In 2013, 2014 and 2015, our top five customers by net revenues collectively accounted for approximately 38.3%, 33.6% and 26.8%, respectively, of our total net revenues. Sales to our largest customer in those years accounted for 13.3%, 7.4% and 7.4%, respectively, of our total net revenues.

We market and sell solar modules worldwide for residential, commercial and utility-scale solar energy solutions. We primarily sell our products to distributors and large-scale installers through our own, home-grown sales teams, who operate throughout Europe, the Americas, the Middle East and the Asia-Pacific regions.

Our marketing activities include brand sponsorship, social media discussions and digital marketing. Our teams also develop channel marketing programs to support our customers' marketing of our business and products, while also providing various services such as product training, new product briefing, and sales training. Additionally, our marketing team focuses heavily on public relations and crisis management to safeguard our public image. By working closely with our sales teams and other leading solar research companies, our marketing team provides up-to-date market information on a constant basis, supporting the efforts of our sales team. Our marketing staff is located throughout the U.S., Canada, Europe, Japan, Australia, and South Korea.

We sell our standard solar module products primarily under three types of arrangements: (a) sales contracts to distributors; (b) sales to systems integrators, installers/EPC companies and project developers; and (c) OEM/tolling manufacturing arrangements.

We target our sales and marketing efforts for our specialty solar products at companies in selected industry sectors, including the automotive, telecommunications and light-emitting diode, or LED, lighting sectors. As standard solar modules increasingly become commoditized and technology advancements allow solar power to be used in more off-grid applications, we intend to expand our sales and marketing focus on our specialty solar products and capabilities. Our sales and marketing team works with our specialty solar products development team to take into account changing customer preferences and demands to ensure that our sales and marketing team is able to effectively communicate to customers our product development changes and innovations. We intend to establish additional relationships in other market sectors as the specialty solar products market expands.

As we expand our manufacturing capacity and enhance our brand name, we continue to develop new customer relationships in a wider range of geographic markets to decrease our market concentration. In 2013, we significantly increased our total number of customers and achieved a leading market share in Canada, Japan, Thailand and the Central America, which we maintained in 2014. In 2015, we both maintained our leading market share in those markets and expanded our customer base in several emerging solar markets, such as Southeast Asia. We plan to expand into Middle East and Africa. While we expect to expand into new markets, we expect that our near term major markets will be North America and the Asia Pacific region.

In 2010, we commenced the sale of solar system kits. A solar system kit is a ready-to-install package consisting of solar modules produced by us and components, such as inverters, racking system and other accessories, supplied by third parties. In 2015, we sold approximately 89.7 MW of system kits primarily in Japan and Europe.

*Energy Development Segment*

We develop and sell solar projects primarily in Canada, Japan, U.S., China, Brazil and the United Kingdom. We provide EPC services primarily in Canada, China and Australia, and O&M services



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primarily in Canada. We sell our projects to large utility companies and other power producers. Customers of our EPC and O&M services are solar project developers and owners.

In order to continue to grow our energy development segment, we conduct market due diligence, routinely meet with industry players and interested investors and attend industry conferences and events to identify project development opportunities. Our energy development segment team has extensive industry expertise and significant experience in working with government authorities and developing new projects for our target markets.

*Solar Project Development*

We divide our solar power project pipeline into early- to mid-stage pipeline and late-stage pipeline. Early- to mid-stage pipeline includes projects that are under assessment for co-development and acquisition, or are being developed by us, that have identified or secured the land for development, and that have signed energy off-take agreements or have a reasonable probability to sign such agreements. Late-stage pipeline includes nearly all projects that have energy off-take agreements and are expected to be built within the next 2-4 years. However, some of the late-stage projects may not be completed due to failure to secure permits or grid connection, among other risks. In March 2015, we acquired Recurrent, a leading solar energy developer with solar power projects located principally in California and Texas for approximately \$261 million. The acquisition increased our total solar project pipeline by approximately 4.0 GWp, and our late-stage, utility-scale solar project pipeline by approximately 1.0 GWp. As of March 10, 2016, we had a geographically diverse solar project pipeline totaling 10.3 GWp, of which 2.0 GWp were in late-stage of development and 8.3 GWp in early- to mid-stage of development. Our project pipeline included approximately 2.6 GWp of projects under development by Recurrent in the U.S., which are expected to be constructed over the next five years and qualify for the investment tax credit.

In Canada

During 2015, we completed the construction and grid connection of nine solar power projects totaling 127 MWp. We sold seven of these projects totaling approximately 98.3 MWp. We intend to own and operate the remaining two projects, Alfred and Beam Light.

In Japan

During 2015, we completed the construction and grid connection of ten solar power plants, with a total capacity of approximately 20 MWp. As of March 10, 2016, our pipeline of projects under development was approximately 582.2 MWp, of which 81.5 MWp was in construction and 107.4 MWp at the ready-to-build stage. Pursuant to a recent regulatory change, the Ministry of Economy, Trade and Industry will give developers a grace period to submit a signed grid-connection contract in order for existing projects under development to lock in the feed-in-tariff. Projects that are not able to reach this milestone within the grace period will have their respective feed-in-tariff rates reduced to the applicable rate at that time. The exact length of this grace period is still to be announced. We have signed interconnection agreements for projects totaling approximately 200 MWp, and believe we can sign interconnection agreements for an additional 170-215 MWp within the next 12 months. We will reassess the options for the projects that do not secure interconnection agreements within this grace period.

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The following table summarizes the status of our project pipeline in the U.S. as of March 10, 2016:

| <b>Late-stage Pipeline</b> | <b>Gross<br/>MW (DC)</b> | <b>Net<sup>(1)</sup><br/>MW (DC)</b> | <b>State</b> | <b>Status</b>   | <b>Expected<br/>COD</b> |
|----------------------------|--------------------------|--------------------------------------|--------------|-----------------|-------------------------|
| Astoria 1                  | 130.8                    | 130.8                                | CA           | In Construction | 2016                    |
| Astoria 2                  | 100.0                    | 100.0                                | CA           | In Construction | 2016                    |
| Barren Ridge               | 78.0                     | 62.4                                 | CA           | In Construction | 2016                    |
| Mustang                    | 134.4                    | 114.2                                | CA           | In Construction | 2016                    |
| Tranquillity               | 257.7                    | 126.3                                | CA           | In Construction | 2016                    |
| Roserock                   | 212.1                    | 103.9                                | TX           | In Construction | 2016                    |
| Garland                    | 272.1                    | 133.3                                | CA           | In Construction | 2016                    |
| <b>Total</b>               | <b>1,185.1</b>           | <b>770.9</b>                         |              |                 |                         |

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(1)

Reflects our net ownership after sales and tax equity financing.

During 2015, we sold controlling interests in three solar power projects, Tranquillity, Roserock and Garland, to Southern Power, a subsidiary of Southern Company (NYSE: SO). By the end of January 2016, we had secured debt commitments totaling \$1.8 billion with a syndicate of banks and tax-equity investment commitments totaling \$1.3 billion from several investors to fund the build-out of all of our utility-scale projects currently under construction.

In China

In China, we recently connected eight solar power plants to the grid, including five solar plants totaling 85.1 MWp in the fourth quarter of 2015 and three solar plants totaling 15.7 MWp in the first quarter of 2016.

The following table summarizes the status of our project pipeline in China as of March 10, 2016, which are expected to be connected to grid in 2016:

| <b>Late-stage Pipeline</b> | <b>MW (DC)</b> |
|----------------------------|----------------|
| Northern China             | 45             |
| Eastern China              | 75             |
| Xinjiang Province          | 20             |
| Yunnan Province            | 10             |
| <b>Total</b>               | <b>150</b>     |

In Brazil

In Brazil, our late-stage solar project pipeline was 384.0 MWp as of March 10, 2016. We expect our solar power plants in Brazil to be connected to grid in 2017 and 2018. Once connected, the electricity generated will be purchased by a Brazilian government entity under a 20-year PPA.

In the United Kingdom

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During 2015, we completed the construction of nine solar power projects totaling approximately 63.1 MWp. Our pipeline of solar power projects totaled 57.0 MWp as of March 10, 2016, all of which we expect to be connected to the grid in 2016.

Table of ContentsEPC Services

Beginning in late 2010, we started entering into EPC contracting arrangements in Canada and China. Under these arrangements, the solar power project developer owns the projects and we are contracted to perform the EPC work. We completed the EPC contracts in China through our affiliated company, Gaochuangte, in which we own a 40% equity interest.

In 2013, we completed approximately 30.2 MWp of solar system EPC contracts in Ontario, Canada. In 2014, we completed approximately 180.5 MWp and 3.1 MW (DC) of solar system EPC contracts in Ontario, Canada and Australia, respectively. In 2015, we completed approximately 152.1 MW (DC) and 1.4 MW (DC) of solar system EPC contracts in Ontario, Canada and Australia, respectively.

O&M Services

Since 2012, we have started to provide O&M services for solar power projects in commercial operation. Our O&M services include inspections, repair and replacement of plant equipment, site management and administrative support services.

Electricity Generation Segment

We operate solar power projects and sell electricity to local customers in the United Kingdom, United States, Canada, China, Japan and Spain. We usually enter into PPAs with and sell electricity to public utilities, licensed suppliers or commercial, industrial or government end users.

As of March 10, 2016, our operating solar power plants totaled approximately 398.1 MWp, of which 308.8 MWp were developed and built by us and 89.3 MWp were acquired from third parties, as set out in the table below:

| <b>Solar Power Plants in Operation</b> | <b>MW (DC)</b> |
|--|----------------|
| China                                  | 196.2          |
| Canada                                 | 100.1          |
| United Kingdom                         | 63.3           |
| Japan                                  | 21.2           |
| U.S.                                   | 12.5           |
| Spain                                  | 4.8            |
| <b>Total</b>                           | <b>398.1</b>   |

Customer Support and Service

We typically sell our standard solar modules with a ten-year warranty against defects in materials and workmanship and a linear power performance warranty that guarantees the actual power output of our modules.

For utility-scale solar power projects built by us, we provide a limited workmanship or balance of system warranty against defects in engineering, design, installation and construction under normal use, operation and service conditions for a period of up to five years following the energizing of the solar power plant. In resolving claims under the workmanship or balance of system warranty, we have the option of remedying through repair, refurbishment or replacement of equipment. We have also entered into similar workmanship warranties with our suppliers to back up our warranties.

As part of our energy development and electricity generation segments, before energizing solar power plants, we conduct performance testing to confirm that they meet the operational and capacity expectations set forth in the agreements. In limited cases, we also provide an energy generation

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performance test designed to demonstrate that the actual energy generation for up to the first three years meets or exceeds the modeled energy expectation. In the event that the energy generation performance test performs below expectation, we may incur liquidated damages capped at a percentage of the contract price. In addition, a bonus payment may be received if the energy generation performance test results in over performance.

Our customer support and service handles technical inquiries and warranty-related issues. In 2015, we expanded our capacity in these areas to better enable us to handle our customer's questions and concerns in a timely and professional manner.

In 2015, we renewed our product warranty insurance coverage to provide additional security to our customers. See " Insurance" below. The customer support and service function will continue to expand and to improve services to our customers.

**Competition**

*Module Segment*

The market for solar power products is competitive and evolving. We compete with American companies, such as First Solar and SunPower, and China-based companies such as Trina, Jinko, JA Solar and Hanwha Q Cells. Some of our competitors are developing or producing products based on alternative solar technologies, such as thin film PV materials, that may ultimately have costs similar to, or lower than, our projected costs. Solar modules produced using thin film materials, such as cadmium telluride and copper indium gallium selenide technology, generally have lower conversion efficiency but do not use silicon for production, compared to our crystalline silicon solar module products, and as such are less susceptible to increases in the costs of silicon. Some of our competitors have also become vertically integrated, from upstream polysilicon manufacturing to solar system integration. In addition, the solar power market in general competes with other sources of renewable and alternative energy as well as conventional power generation.

We believe that the key competitive factors in the market for solar power products include:

price;

the ability to deliver products to customers on time and in the required volumes;

product quality and associated service issues;

nameplate power and other performance parameters of the module, such as power tolerances;

value-added services such as system design and installation;

value-added features such as those that make a module easier or cheaper to install;

additional system components such as mounting systems, delivered as a package or bundle;

brand equity and any good reputation resulting from the above items, including the willingness of banks to finance projects using modules produced by a particular supplier;

customer relationships and distribution channels; and

the aesthetic appearance of solar power products.

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In the immediate future, we believe that our ability to compete depends on delivering a cost-effective product in a timely manner and developing and maintaining a strong brand name based on high quality products and strong relationships with downstream customers. Our competitiveness also depends on our ability to effectively manage our cash flow and balance sheet and to maintain our relationships with the financial institutions that fund solar power projects. Consolidation of the solar industry is already occurring and is expected to continue in the near future. We believe that such

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consolidation will benefit our company in the long-term. We believe that the key to competing successfully in the long-term is to produce innovative, high quality products at competitive prices and develop an integrated sales approach that includes services, ancillary products, such as mounting systems and inverters, and value-added product features. We believe that a good marketing program and the strong relationships that we are building with customers and suppliers will support us in this competitive environment.

*Energy Development Segment*

Our energy development segment is a capital intensive business with numerous industry participants. We face competition from a large and diverse group of local and international project developers, financial investors and certain utility companies. These competitors range in terms of size, geographic focus, financial resources and operating capabilities and are active in Canada, Japan, the U.S., China, Brazil, the United Kingdom and other markets where we operate or intend to enter. We compete in a diversified and complicated landscape since the commercial and regulatory environments for solar power project development and operation vary significantly from region to region and country to country. Our primary competitors are local and international developers and operators of solar power projects. We believe the key competitive factors in the global solar power project development industry include:

vertical integration with upstream manufacturing;

permit and project development experience and expertise;

reputation and track record;

relationship with government authorities and knowledge of local policies;

strong internal working capital and good relationship with banks and international organizations that enhance access to external financing;

experienced technicians and executives who are familiar with the industry and the implementation of our business plans; and

expertise and experience in providing EPC and O&M services.

However, we cannot guarantee that some of our competitors do not or will not have advantages over us in terms of greater operational, financial, technical, management or other resources in particular markets or in general.

*Electricity Generation Segment*

Currently, we operate our electricity generation segment in the United Kingdom, the U.S., Canada, China, Japan and Spain. We compete to supply energy to our potential customers with a limited number of utilities and providers of distributed generation in these markets. If we wish to enter into new PPAs for our solar power projects upon termination of previous PPAs, we compete with conventional utilities primarily based on cost of capital, generation located at customer sites, operations and management expertise, price (including predictability of price), green attributes of power, the ease by which customers can switch to electricity generated by our energy systems and our open architecture approach to working within the industry, which facilitates collaboration and project acquisitions. If we cannot offer compelling value to our customers based on these factors, then our energy-based business will not grow. The decision by an end-user to buy electricity from our solar power projects is primarily driven by a deficit of available energy in the applicable market and the availability of domestic resources to meet those needs in a timely fashion. An increase in the availability of electricity or reduction in retail electricity prices in our target markets would make the purchase of solar energy less economically attractive.

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For further discussion of the competitive risks that we face, see "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Because the markets in which we compete are highly competitive and quickly evolving, because many of our competitors have greater resources than we do or are more adaptive, and because we have a limited track record in our energy development and electricity generation segments, we may not be able to compete successfully and we may not be able to maintain or increase our market share."

***Insurance***

We maintain property risk insurance policies with reputable insurance companies to cover our equipment, facilities, buildings and inventories. The coverage of these insurance policies includes losses due to natural hazards and losses arising from unforeseen accidents. Our manufacturing plants in China and elsewhere are covered by business interruption insurance. However, significant damage or interruption to any of our manufacturing plants, whether as a result of fire or other causes, could still have a material and adverse effect on our results of operations. We also maintain commercial general liability (including product liability) coverage. We have been actively working with China Export & Credit Insurance Corporation, or Sinasure. Credit insurance is designed to offset the collection risk of our account receivables for certain customers within the credit limits approved by Sinasure. Risks related to marine, air and inland transit for the export of our products and domestic transportation of materials and products are covered under cargo transportation insurance. We also maintain director and officer liability insurance.

In April 2010, we began entering into agreements with a group of insurance companies to reduce some of the risks associated with our warranties. Under the terms of the insurance policies, the insurance companies are obliged to reimburse us, subject to certain maximum claim limits and certain deductibles, for the actual product warranty costs that we incur under the terms of our warranty against defects in workmanship and material and our warranty relating to power output. The warranty insurance is renewable annually. We believe that our warranty improves the marketability of our products and our customers are willing to pay more for products with warranties backed by insurance.

***Environmental Matters***

Except as disclosed in the "Item 3. Key Information D. Risk Factors Risks Related to Doing Business in China," we believe we have obtained the environmental permits necessary to conduct the business currently carried on by us at our existing manufacturing facilities. We have also conducted environmental studies in conjunction with our solar power projects to assess and reduce the environmental impact of such projects.

Our products must comply with the environmental regulations of the jurisdictions in which they are installed. We make efforts to ensure that our products comply with the EU's Restriction of Hazardous Substances Directive, which took effect in July 2006, by reducing the amount of lead and other restricted substances used in our solar module products.

Our operations are subject to regulation and periodic monitoring by local environmental protection authorities. If we fail to comply with present or future environmental laws and regulations, we could be subject to fines, suspension of production or cessation of operations.

***Government Regulations***

This section sets forth a summary of certain significant regulations or requirements that affect our business activities in China or our shareholders' right to receive dividends and other distributions from us.



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*Renewable Energy Law and Other Government Directives*

In February 2005, China enacted its Renewable Energy Law, which became effective on January 1, 2006 and was revised in December 2009. The revised Renewable Energy Law, which became effective on April 1, 2010, sets forth policies to encourage the development and use of solar energy and other non-fossil energy and their on-grid generation. It also authorizes the relevant pricing authorities to set favorable prices for the purchase of electricity generated by solar and other renewable power generation systems.

The law also sets forth the national policy to encourage the installation and use of solar energy water-heating systems, solar energy heating and cooling systems, solar PV systems and other solar energy utilization systems. It also provides financial incentives, such as national funding, preferential loans and tax preferences for the development of renewable energy projects subject to certain regulations of the relevant authorities.

In November 2005, the National Development and Reform Commission, or the NDRC, promulgated the Renewable Energy Industry Development Guidance Catalogue, in which solar power figured prominently. In January 2006, the NDRC promulgated two implementation directives with respect to the Renewable Energy Law. In January 2007, the NDRC promulgated another related implementation directive. These directives set forth specific measures for setting the price of electricity generated by solar and other renewable power generation systems, for sharing additional expenses, and for allocating administrative and supervisory authority among different government agencies at the national and provincial levels. They also stipulate the responsibilities of electricity grid companies and power generation companies with respect to the implementation of the Renewable Energy Law.

In August 2007, the NDRC promulgated the Medium and Long-Term Development Plan for the Renewable Energy Industry. This plan sets forth national policy to provide financial allowance and preferential tax regulations for the renewable energy industry. A similar demonstration of the PRC government's commitment to renewable energy was also stipulated in the Eleventh Five-Year Plan for Renewable Energy Development, which was promulgated by the NDRC in March 2008. The Outline of the Twelfth Five-Year Plan for National Economic and Social Development of the PRC, which was approved by the National People's Congress in March 2011, the Twelfth Five-Year Plan for Renewable Energy Development, which was promulgated by the NDRC in July 2012, and the Twelfth Five-Year Plan for Solar Power Generation, which was promulgated by the National Energy Administration in July 2012 also demonstrates a commitment to promote the development of renewable energy to enhance the competitiveness of the renewable energy industry, including the solar energy industry.

China's Ministry of Housing and Urban-Rural Development (formerly, the Ministry of Construction) also issued a directive in June 2005 which seeks to expand the use of solar energy in residential and commercial buildings and encourages the increased application of solar energy in different townships. Similarly, China's State Council promulgated a directive in July 2005, which sets forth specific measures to conserve energy resources. In November 2005, China's Ministry of Housing and Urban-Rural Development promulgated the Administrative Provisions on Energy Conservation for Civil Constructions which encourages the development of solar energy. In August 2006, the State Council issued the Decision on Strengthening the Work of Energy Conservation which encourages the great development of the solar energy and other renewable energy. In addition, on April 1, 2008, the PRC Energy Conservation Law came into effect. Among other objectives, this law encourages the installation of solar power facilities in buildings to improve energy efficiency. In July 2009, China's Ministry of Finance and Ministry of Housing and Urban-Rural Development jointly promulgated "the Urban Demonstration Implementation Program of the Renewable Energy Building Construction" and "the Implementation Program of Acceleration in Rural Application of the Renewable Energy Building Construction" to support the development of the new energy industry and the new energy-saving industry.

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On March 8, 2011, China's Ministry of Finance and Ministry of Housing and Urban-Rural Development jointly promulgated the Notice on Further Application of Renewable Energy in Building Construction, which aims to raise the percentage of renewable energy used in buildings.

In September 2009, the PRC State Council approved and circulated the Opinions of the National Development and Reform Commission and other Nine Governmental Authorities on Restraining the Production Capacity Surplus and Duplicate Construction in Certain Industries and Guiding the Industries for Healthy Development. These opinions concluded that polysilicon production capacity in China has exceeded the demand and adopted the policy of imposing more stringent requirements on the construction of new polysilicon manufacturing projects in China. These opinions also stated in general terms that the government should encourage polysilicon manufacturers to enhance cooperation and affiliation with downstream solar product manufacturers to extend their product lines. However, these opinions do not provide any detailed measures for the implementation of this policy. As we are not a polysilicon manufacturer and do not expect to manufacture polysilicon in the future, we believe the issuance and circulation of these opinions will not have any material impact on our business or our silicon wafer, solar cell and solar module capacity expansion plans.

On August 21, 2012, China's Ministry of Finance and Ministry of Housing and Urban-Rural Development jointly promulgated the Notice on Improving Policies for Application of Renewal Energy in Building and Adjusting Fund Allocation and Management Method, which aims to promote the use of solar energy and other new energy products in public facilities and residences, further amplifying the effect of the policies for application of renewable energy in buildings.

In June 2014, the General Office of the State Council issued its Notice on Printing and Distributing the Action Plan for the Solar project Strategy (2014-2020), which requested accelerating the development of solar power generation, including promoting the construction of photovoltaic base construction, among others.

In April 2015, China's Ministry of Finance promulgated the Interim Measures for Administration of the Special Fund for the Development of Renewable Energy Sources, which stipulated the division of regulation of special fund for the development of renewable energy sources and the main scopes to be supported.

In December 2015, the NDRC issued the Circular on Improving the On-Grid Benchmark Price Policy for Onshore Wind Power and Photovoltaic Power, which aims to promote sound and healthy development of the onshore wind power and PV power industry by regulating the price of wind power and PV power.

*Environmental Regulations*

As we have expanded our ingot, silicon wafer and solar cell manufacturing capacities, we have begun to generate material levels of noise, wastewater, gaseous wastes and other industrial waste. Additionally, as we expand our internal solar components production capacity, our risk of facility incidents that would negatively affect the environment also increases. We are subject to a variety of governmental regulations related to the storage, use and disposal of hazardous materials. The major environmental laws and regulations applicable to us include the PRC Environmental Protection Law, which became effective in 1989, as amended and promulgated in 2014, the PRC Law on the Prevention and Control of Noise Pollution, which became effective in 1997, the PRC Law on the Prevention and Control of Air Pollution, which became effective in 1988, as amended and promulgated in 1995, 2000 and 2015, the PRC Law on the Prevention and Control of Water Pollution, which became effective in 1984, as amended and promulgated in 1996 and 2008, the PRC Law on the Prevention and Control of Solid Waste Pollution, which became effective in 1996, as amended and promulgated in 2004, 2013 and 2015, the PRC Law on Evaluation of Environmental Affects, which became effective in 2003, the PRC Law on Promotion of Clean Production, which became effective in 2003, as amended and promulgated

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in 2012, and the Regulations on the Administration of Construction Project Environmental Protection, which became effective in 1998.

Some of our PRC subsidiaries are located in Suzhou, China, which is adjacent to Taihu Lake, a nationally renowned and protected body of water. As a result, production at these subsidiaries is subject to the Regulations on the Administration of Taihu Basin, which became effective in 2011, the Regulation of Jiangsu Province on Preventing Water Pollution in Taihu Lake, which became effective in 1996 and was further revised and promulgated in 2007, 2010 and 2012, and the Implementation Plan of Jiangsu Province on Comprehensive Treatment of Water Environment in Taihu Lake Basin, which was promulgated in February 2009. Because of these regulations, the environmental protection requirements imposed on nearby manufacturing projects, especially new projects, have increased noticeably, and Jiangsu Province has stopped approving construction of new manufacturing projects that increase the amount of nitrogen and phosphorus released into Taihu Lake.

*Admission of Foreign Investment*

The principal regulation governing foreign ownership of solar power businesses in the PRC is the Foreign Investment Industrial Guidance Catalogue. Under the current catalogue, which was amended in March 2015 and became effective on April 10, 2015, the solar power related business is classified as an "encouraged foreign investment industry." Companies that operate in encouraged foreign investment industries and satisfy applicable statutory requirements are eligible for preferential treatment, including exemption from customs of certain self-used equipment and priority consideration in obtaining land use rights provided by certain local governments.

While the 2004 catalogue only applied to the construction and operation of solar power stations, the 2007 catalogue expanded its application also applies to the production of solar cell manufacturing machines, the production of solar powered air conditioning, heating and drying systems and the manufacture of solar cells, and the 2011 catalogue and the current 2015 catalogue also covers the manufacture of solar light collector glass and etc.

*Administration of Foreign Invested Companies*

The establishment, approval, registered capital requirement and day-to-day operational matters of wholly foreign-owned enterprises, are regulated by the Wholly Foreign-Owned Enterprise Law of the PRC, effective in 1986 and amended in 2000, and the Implementation Rules of the Wholly Foreign-owned Enterprise Law of the PRC, effective in 1990 and amended in 2001 and 2014. The establishment, operation and management of corporate entities in China are governed by the Company Law of the PRC, or the Company Law, effective in 1994 and amended in 1999, 2004, 2005 and 2013. The Company Law is applicable to our PRC subsidiaries unless PRC laws on foreign investment stipulate otherwise.

*Income Tax and VAT*

PRC enterprise income tax is calculated based on taxable income determined under PRC accounting principles. Our major operating subsidiaries, CSI Solartronics (Changshu) Co., Ltd., or CSI Solartronics, CSI New Energy Holding, CSI Cells, CSI Solar Technologies Inc., or CSI Technologies, CSI Changshu Manufacturing and CSI Luoyang Manufacturing, are governed by the EIT Law, which became effective on January 1, 2008.

Under the EIT Law, both foreign-invested enterprises and domestic enterprises are subject to a uniform enterprise income tax rate of 25%. The EIT Law provides for preferential tax treatment for certain categories of industries and projects that are strongly supported and encouraged by the state. For example, enterprises qualified as HNTes are entitled to a 15% enterprise income tax rate, provided that such HNTes satisfy other applicable statutory requirements.

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Certain of our subsidiaries, such as CSI New Energy Holding, CSI Cells, CSI Luoyang Manufacturing and CSI Changshu Manufacturing, once enjoyed preferential tax benefits, such as a reduced enterprise income tax rate of 12.5%, however, these benefits were expired. In 2015, only our partially owned subsidiary, Suzhou Sanysolar, which was qualified as an HNTE and satisfied applicable statutory requirements, enjoyed a reduced enterprise income tax rate of 15%. As most of the preferential tax benefits enjoyed by our PRC subsidiaries expired, their effective tax rates increased significantly.

The EIT Law also provides that enterprises established outside China whose "de facto management body" is located in China are considered PRC tax residents and will generally be subject to the uniform 25% enterprise income tax rate on their global income. Under the implementation regulations, the term "de facto management body" is defined as substantial and overall management and control over aspects such as the production and business, personnel, accounts and properties of an enterprise. Circular 82 further provides certain specific criteria for determining whether the "de facto management body" of a PRC-controlled offshore incorporated enterprise is located in the PRC. The criteria include whether (a) the premises where the senior management and the senior management bodies responsible for the routine production and business management of the enterprise perform their functions are mainly located within the PRC, (b) decisions relating to the enterprise's financial and human resource matters are made or subject to approval by organizations or personnel in the PRC, (c) the enterprise's primary assets, accounting books and records, company seals, and board and shareholders' meeting minutes are located or maintained in the PRC and (d) 50% or more of voting board members or senior executives of the enterprise habitually reside in the PRC. Although Circular 82 only applies to offshore enterprises controlled by enterprises or enterprise groups located within the PRC, the determining criteria set forth in the Circular 82 may reflect the tax authorities' general position on how the "de facto management body" test may be applied in determining the tax resident status of offshore enterprises. As the tax resident status of an enterprise is subject to the determination by the PRC tax authorities, uncertainties remain with respect to the interpretation of the term "de facto management body" as applicable to our offshore entities. As a substantial number of the members of our management team are located in China, we may be considered as a PRC tax resident under the EIT Law and, therefore, subject to the uniform 25% enterprise income tax rate on our global income.

Under the EIT Law and implementing regulations issued by the State Council, the PRC withholding tax rate of 10% is generally applicable to interest and dividends payable to investors from companies that are not "resident enterprises" in the PRC, to the extent such interest or dividends have their sources within the PRC. If our Canadian parent entity is deemed a PRC tax resident under the EIT Law based on the location of our "de facto management body," dividends distributed from our PRC subsidiaries to our Canadian parent entity could be exempt from Chinese dividend withholding tax. However, in that case, dividends from us to our shareholders may be regarded as China-sourced income and, consequently, be subject to Chinese withholding tax at the rate of 10%, or at a lower treaty rate if applicable. Similarly, if we are considered a PRC tax resident, any gain realized by our shareholders from the transfer of our common shares is also subject to Chinese withholding tax at the rate of 10% if such gain is regarded as income derived from sources within the PRC. It is unclear whether any dividends that we pay on our common shares or any gains that our shareholders may realize from the transfer of our common shares would be treated as income derived from sources within the PRC and subject to PRC tax.

In addition, under Announcement 7, where a non-resident enterprise indirectly transfers properties, such as equity in Chinese resident enterprises, without any reasonable commercial purposes with the aim of avoiding payment of enterprise income tax, such indirect transfer shall be reclassified as a direct transfer of equity in a Chinese resident enterprise. Properties such as equity in Chinese resident enterprises mentioned in Announcement 7 mean the properties, or Chinese taxable properties,

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which are directly held by non-resident enterprises and subject the transfer income to enterprise income tax in China according to the provisions of Chinese tax law. Indirect transfers of Chinese taxable properties are transactions which transfer the equity of enterprises abroad that directly or indirectly hold Chinese taxable properties (not including Chinese resident enterprises registered abroad). To estimate reasonable commercial purposes, all arrangements related to the indirect transfer of Chinese taxable properties must be considered comprehensively and certain factors, such as whether the main value of the equity of enterprises abroad is directly or indirectly from the Chinese taxable properties, must be comprehensively analyzed. Except for the circumstances stipulated therein, the overall arrangements related to the indirect transfer of Chinese taxable properties that fall in any of the following circumstances simultaneously are deemed as having no reasonable commercial purposes: (a) more than 75% of the equity of enterprises abroad is directly or indirectly from Chinese taxable properties; (b) more than 90% of the total assets (not including cash) of enterprises abroad is directly or indirectly composed of investment in the territory of China at any time in the year before the indirect transfer of Chinese taxable properties, or more than 90% of the income of enterprises abroad is directly or indirectly from the territory of China in the year before the indirect transfer of Chinese taxable properties; (c) although the enterprises abroad and their subordinate enterprises directly or indirectly hold Chinese taxable properties have registered in the host country (region) in order to satisfy the organization form required by law, the functions actually performed and the risks undertaken are limited and are not sufficient to prove the economic essence; or (d) the burden of income tax of indirect transfer of Chinese taxable properties payable abroad is lower than the possible burden of taxation in China as for the direct transfer of Chinese taxable properties. However, a non-resident enterprise's income obtained from indirect transfer of Chinese taxable properties by purchasing and selling equity of the same listed enterprise abroad in the open market will not be taxed under Announcement 7.

There is uncertainty as to the application of Announcement 7 and it is understood that the relevant PRC tax authorities have jurisdiction regarding reasonable commercial purposes. As a result, we may become at risk of being taxed under Announcement 7 and we may be required to expend valuable resources to comply with Announcement 7 or to establish that we should not be taxed under Announcement 7, which may materially adversely affect our financial condition and results of operations.

Pursuant to a November 2008 amendment to the Provisional Regulation of the PRC on Value Added Tax issued by the PRC State Council, all entities and individuals that are engaged in the sale of goods, the provision of repairs and replacement services and the importation of goods in China are required to pay VAT. Gross proceeds from sales and importation of goods and provision of services are generally subject to VAT at a rate of 17%, with exceptions for certain categories of goods that are taxed at a rate of 13%. When exporting certain goods, the exporter is entitled to a refund of a portion or all of the VAT that it has already paid or borne.

Under the amended Provisional Regulation of the PRC on Value Added Tax and its implementation rules, which became effective in 2009 and were amended in 2011, and relevant regulations, fixed assets (mainly including equipment and manufacturing facilities) are now eligible for credit for input VAT. Previously, input VAT on fixed assets purchases was not deductible from the current period's output VAT derived from the sales of goods, but had to be included in the cost of the assets. The new rule permits this deduction except in the case of equipment purchased for non-taxable projects or tax-exempted projects where the deduction of input VAT is not allowed. However, the qualified fixed assets could also be eligible for input VAT if the fixed assets are used for both taxable projects and non-taxable projects or tax-exempted projects. Presently, no further detailed rules clarify under what circumstance the fixed assets are considered as being used for both taxable and non-taxable or tax exempt projects. Because of the new VAT rules, our PRC subsidiaries may benefit from future input VAT credit on our capital expenditures.

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Under the former rules, equipment imported for qualified projects was entitled to an import VAT exemption and domestic equipment purchased for qualified projects were entitled to a VAT refund. However, such exemption and refund were both eliminated as of January 1, 2009.

*Foreign Currency Exchange*

Foreign currency exchange regulation in China is primarily governed by the Foreign Currency Administration Rules, which became effective in 1996 and were amended in 1997 and 2008, and the Settlement, Sale and Payment of Foreign Exchange Administration Rules (1996), or the Settlement Rules.

Currently, the Renminbi is convertible for current account items, including the distribution of dividends, interest payments, trade and service-related foreign exchange transactions. Conversion of the Renminbi for most capital account items, such as security investment and repatriation of investment, however, is still subject to limitation and requires the approval by or registration with SAFE.

However, SAFE began to reform the foreign exchange administration system and issued the Notice on Reforming the Administrative Approach Regarding the Settlement of the Foreign Exchange Capitals of Foreign-invested Enterprises on March 30, 2015, which allows foreign invested enterprises to settle their foreign exchange capital on a discretionary basis according to the actual needs of their business operation and allows a foreign-invested enterprise with a business scope including "investment" to use the RMB capital converted from foreign currency registered capital for equity investments within the PRC.

On February 13, 2015, SAFE promulgated the Circular on Further Simplifying and Improving the Policies Concerning Foreign Exchange Control on Direct Investment, or SAFE Circular No. 13, which delegates the authority to enforce the foreign exchange registration in connection with the inbound and outbound direct investment under relevant SAFE rules to certain banks and therefore further simplifies the foreign exchange registration procedures for inbound and outbound direct investment.

*Dividend Distribution*

The principal regulations governing distribution of dividends paid by wholly foreign owned enterprises include the Wholly Foreign-Owned Enterprise Law of the PRC, effective in 1986 and amended in 2000, the Implementation Rules of the Wholly Foreign-Owned Enterprise Law of the PRC, effective in 1990 and amended in 2001 and 2014, the Company Law effective in 1994 and amended in 1999, 2004, 2005 and 2013 and the EIT Law and its implementation rules, both effective in 2008.

Under these laws, foreign-invested enterprises in China may pay dividends only out of their accumulated profits, if any, determined in accordance with PRC accounting standards and regulations. In addition, a wholly foreign owned enterprise in China is required to set aside at least 10% of its after-tax profits determined in accordance with PRC accounting standards each year to its general reserves until the accumulative amount of such reserves reach 50% of its registered capital. These reserves are not distributable as cash dividends. The board of directors of a foreign-invested enterprise has the discretion to allocate a portion of its after-tax profits to staff welfare and bonus funds, which may not be distributed to equity owners except in the event of liquidation.

*Employment*

The major laws and regulations governing the employment relationship, including wage and hour requirements, working and safety conditions, social insurance, housing funds and other welfare. The PRC Labor Law which became effective on January 1, 1995 and amended on August 27, 2009, the Labor Contract Law of the People's Republic of China, which became effective on January 1, 2008, and was later revised on December 28, 2012, its Implementing Regulation and the amendment thereunder,

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which became effective on September 18, 2008 and July 1, 2013, respectively, permit workers in both state-owned and private enterprises in the PRC to bargain collectively. The PRC Labor Law and the PRC Labor Contract Law provide for collective contracts to be developed through collaboration between the labor unions (or worker representatives in the absence of a union) and management that specify such matters as working conditions, wage scales, and hours of work. The PRC Labor Contract Law and its Implementing Regulation impose certain requirements with respect to human resources management, including, among other things, signing labor contracts with employees, terminating labor contracts, paying remuneration and compensation and making social insurance contributions. In addition, the PRC Labor Contract Law requires employers to provide remuneration packages that meet the relevant local minimum standards. The PRC Labor Contract Law has enhanced rights for the nation's workers, including permitting open-ended labor contracts and severance payments. It requires employers to provide written contracts to their workers, restricts the use of temporary labor and makes it harder for employers to lay off employees. It also requires that employees with fixed-term contracts be entitled to an indefinite-term contract after a fixed-term contract is renewed twice or the employee has worked for the employer for a consecutive ten-year period. According to the Interim Provisions on Labor Dispatching, which came into effect on January 3, 2014, the number of dispatched workers used by an employer shall not exceed 10% of its total number of workers.

Under applicable PRC laws, rules and regulations, including the Social Insurance Law promulgated by the Standing Committee of the National People's Congress and effective as of July 1, 2011, the Rules on Implementing the Social Insurance Law issued by Ministry of Human Resource and Social Security and effective as of July 1, 2011, the Interim Regulations on the Collection and Payment of Social Security Funds promulgated by the State Council and effective as of January 22, 1999, the Interim Measures Concerning Maternity Insurance promulgated by the Ministry of Labor and effective as of January 1, 1995, the Regulations on Occupational Injury Insurance promulgated by the State Council and effective as of January 1, 2004 and amended on December 20, 2010, and the Regulations on the Administration of Housing Accumulation Funds promulgated by the State Council and effective as of April 3, 1999 and amended on March 24, 2002, employers are required to contribute, on behalf of their employees, to a number of social security funds, including funds for basic pension insurance, unemployment insurance, basic medical insurance, occupational injury insurance, maternity leave insurance, and to housing accumulation funds. These payments are made to local administrative authorities and any employer who fails to contribute may be fined and ordered to remediate on payments within a stipulated time period.

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The following table sets out our major subsidiaries, including their place of incorporation and our ownership interest, as of March 31, 2016.

| <b>Name of entity</b>  | <b>Place of incorporation</b> | <b>Ownership interest</b> |
|--|-------------------------------|---------------------------|
| CSI Solartronics (Changshu) Co., Ltd.                                  | PRC                           | 100%                      |
| CSI Solar Technologies Inc.  | PRC                           | 100%                      |
| CSI New Energy Holding Co., Ltd.                                       | PRC                           | 100%                      |
| Canadian Solar Manufacturing (Luoyang) Inc.                            | PRC                           | 100%                      |
| Canadian Solar Manufacturing (Changshu) Inc.                           | PRC                           | 100%                      |
| CSI Cells Co., Ltd.  | PRC                           | 100%                      |
| Canadian Solar (USA) Inc.  | USA                           | 100%                      |
| CSI Project Consulting GmbH  | Germany                       | 70%                       |
| Canadian Solar Japan K.K.  | Japan                         | 100%                      |
| Canadian Solar Solutions Inc.  | Canada                        | 100%                      |
| CSI Solar Power (China) Inc.   | PRC                           | 100%                      |
| Canadian Solar EMEA GmbH   | Germany                       | 100%                      |
| Canadian Solar (Australia) Pty Limited                                 | Australia                     | 100%                      |
| Canadian Solar International Limited                                   | Hong Kong                     | 100%                      |
| Canadian Solar O and M (Ontario) Inc.                                  | Canada                        | 100%                      |
| Suzhou SanySolar Materials Technology Co., Ltd.                        | PRC                           | 76%                       |
| Canadian Solar South East Asia Pte. Ltd.                               | Singapore                     | 100%                      |
| Canadian Solar South Africa Pty., Ltd.                                 | South Africa                  | 100%                      |
| Canadian Solar Brazil Commerce, Import and Export of Solar Panels Ltd. | Brazil                        | 100%                      |
| Canadian Solar Middle East Limited                                     | United Arab Emirates          | 100%                      |
| Canadian Solar (Thailand) Ltd.   | Thailand                      | 100%                      |
| Canadian Solar Construction (USA) LLC                                  | USA                           | 100%                      |
| Canadian Solar Project K.K.  | Japan                         | 100%                      |
| CSI-GCL Solar Manufacturing (Yancheng) Co., Ltd.                       | PRC                           | 80%                       |
| Canadian Solar UK Ltd  | United Kingdom                | 100%                      |
| Canadian Solar UK Projects Ltd   | United Kingdom                | 100%                      |
| Changshu Tegu New Material Technology Co., Ltd.                        | PRC                           | 75%                       |
| Changshu Tlian Co., LTD  | PRC                           | 100%                      |
| Canadian Solar Trading (Changshu) Inc.                                 | PRC                           | 100%                      |
| Canadian Solar Energy Acquisition Co.                                  | USA                           | 100%                      |
| Canadian Solar UK Intermediate Limited                                 | United Kingdom                | 100%                      |
| Canadian Solar UK Securities Limited                                   | United Kingdom                | 100%                      |
| Canadian Solar UK Strategies Limited                                   | United Kingdom                | 100%                      |
| Recurrent Energy, LLC  | USA                           | 100%                      |
| PT. Canadian Solar Indonesia   | Indonesia                     | 67%                       |
| Canadian Solar Manufacturing Vietnam Co., Ltd                          | Vietnam                       | 100%                      |
| Canadian Solar Energy Private Limited                                  | India                         | 100%                      |
| Canadian Solar Australia 1 Pty Ltd                                     | Australia                     | 100%                      |
| Canadian Solar Energy Holding Company Limited                          | Hong Kong                     | 100%                      |
| Canadian Solar UK Holding Limited                                      | United Kingdom                | 100%                      |
| Canadian Solar UK Parent Limited                                       | United Kingdom                | 100%                      |
| Canadian Solar UK Investment Limited                                   | United Kingdom                | 100%                      |
| Canadian Solar Manufacturing (Thailand) Co.,Ltd.                       | Thailand                      | 99.99992%                 |



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**D. Property, Plant and Equipment**

The following is a summary of our material properties, including information on our manufacturing facilities and office buildings as of the date of this annual report:

CSI Changshu Manufacturing holds a land use rights certificate for approximately 40,000 square meters of land in Changshu, on which we have built manufacturing facilities of approximately 23,559 square meters. Production in these facilities began in April 2008. We also constructed a canteen, a dormitory for employees and a liquefied gas station in September 2010 with a total floor area of 11,316 square meters. The property ownership certificates were granted in 2011.

CSI Changshu Manufacturing also holds a land use rights certificate for approximately 180,000 square meters of land in Changshu, on which we have built two module manufacturing facilities, two warehouses and other buildings with a total floor area of approximately 60,576 square meters. Construction of the central warehouses was completed in April 2010. We also completed the construction of a module manufacturing facility with an additional warehouse and three other buildings, which have approximately 46,539 square meters of floor area, in the first half of 2011.

CSI Luoyang Manufacturing holds a land use rights certificate for approximately 35,345 square meters of land in Luoyang (Phase I), on which we have constructed manufacturing facilities. The floor area of Phase I is approximately 6,761 square meters. The property ownership certificates were granted in June 2008. In 2008, CSI Luoyang Manufacturing obtained the land use rights for approximately 79,685 square meters of adjacent land (Phase II), on which we have constructed manufacturing facilities. The floor area of Phase II is approximately 29,811 square meters. The property ownership certificates were granted in September 2013.

CSI Cells holds a land use rights certificate for approximately 65,661 square meters of land in Suzhou. We completed the construction of our first solar cell manufacturing facilities on this site in the first quarter of 2007. The Phase I manufacturing facilities have 14,077 square meters, for which we obtained the property ownership certificate. The Phase II cell manufacturing facilities, with 30,102 square meters of workshop space, were completed in 2009. The Phase III cell manufacturing facilities, with a total floor area of approximately 21,448 square meters of manufacturing and office space, were completed in August 2011. We have passed the required inspection and are in the process of obtaining property ownership certificate from the competent government authority. CSI Cells merged with CSI Solar New Energy (Suzhou) Co., Ltd. in 2012. CSI Solar New Energy (Suzhou) Co., Ltd. had a land use rights certificate for approximately 10,000 square meters of land in Suzhou and a property ownership certificate for approximately 4,833 square meters of floor area. The process of recertification of the land use rights certificate and property ownership certificate have been completed and both are now registered under the name of CSI Cells.

The construction of cell manufacturing facilities (Phase I) of CSI-GCL Solar Manufacturing (Yancheng) Co., Ltd., or CSI-GCL Solar Manufacturing, was completed in Yancheng in 2015. The floor area of Phase I is approximately 19,360 square meters. CSI-GCL Solar Manufacturing currently leases the manufacturing facilities but has the right and expects to purchase those facilities and obtain the land use rights certificate between 2018 and 2020. CSI-GCL Solar Manufacturing commenced commercial production in the first quarter of 2016. CSI-GCL Solar Manufacturing was established under a strategic partnership agreement with GCL-Poly Solar System Integration (China) Co., Ltd. and is 80% owned by us.

In Ontario, we lease approximately 14,851 square meters of manufacturing facilities in Guelph, Ontario, Canada for a term of 10 years commencing September 1, 2010 and approximately 8,685 square meters of manufacturing facilities in London, Ontario, Canada for a term of five years

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commencing October 1, 2013. We also lease a warehouse of 7,912 square meters and an office building of 1,146 square meters on the same premises as the Guelph, Ontario, Canada manufacturing facilities for the same term.

In Vietnam, we lease approximately 15,784 square meters of manufacturing facilities in Haiphong City, Vietnam for a term of three years commencing August 1, 2015.

**ITEM 4A. UNRESOLVED STAFF COMMENTS**

None.

**ITEM 5. OPERATING AND FINANCIAL REVIEW AND PROSPECTS**

*The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our consolidated financial statements and the related notes thereto included elsewhere in this annual report on Form 20-F. This discussion may contain forward-looking statements based upon current expectations that involve risks and uncertainties. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of various factors, including those set forth under "Item 3. Key Information D. Risk Factors" or in other parts of this annual report on Form 20-F.*

**A. Operating Results**

***Factors Affecting Our Results of Operations***

The most significant factors that affect our financial performance and results of operations are:

solar power products pricing;

solar wafers and cells and silicon raw materials costs relative to the selling prices of modules;

government subsidies and the availability of financing for solar projects;

industry and seasonal demand;

impact of certain of our long-term purchase commitments;

solar power project development and EPC services;

the growth of our electricity generation segment; and

foreign exchange.

***Solar Power Products Pricing***

Before 2004, all of our net revenues were generated from sales of specialty solar modules and products. We began selling standard solar modules in 2004. In 2013, we generated net revenues of 80.4% from our module segment, which primarily comprises the design, development, manufacture and sale of solar power products and solar system kits, 19.5% from our energy development segment, which involves solar power project development, EPC serves and O&M services, and 0.1% from our electricity generation segment, which holds solar power projects for the

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purpose of generating income from the sale of electricity. In 2014 and 2015, we generated 59.0% and 71.8%, respectively, of our net revenues from our module segment, 40.9% and 27.3%, respectively, from our energy development segment, and 0.1% and 0.9%, respectively, from our electricity generation segment.

Our standard solar modules are priced based on either the actual flash test result or the nameplate capacity of our panels, expressed in watts-peak. The actual price per watt is affected by overall demand in the solar power industry and increasingly also by the total power of the module. Higher-powered

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modules usually command slightly higher prices per watt. We price our standard solar modules based on the prevailing market price at the time we enter into sales contracts with our customers, taking into account the size of the contract, the strength and history of our relationship with each customer and our silicon wafer, solar cell and silicon raw materials costs. During the first few years of our operations, the average selling prices for standard solar modules rose year-to-year across the industry, primarily because of high demand. Correspondingly, the average selling price of our standard solar module products ranged from \$3.62 to \$4.23 during the period from 2004 to 2008. Following a peak in the third quarter of 2008, the industry-wide average selling price of solar modules declined sharply, as market demand declined and competition increased due to the worldwide credit crisis, reduction in subsidies in certain solar markets and increased manufacturing output. In 2009, the average selling price of our standard solar modules continued to fall, with an average selling price of \$1.93 per watt in the fourth quarter of 2009. Thereafter, the average selling price of our standard solar modules has generally continued to fall due to an oversupply of solar modules. In 2013 and 2014, the average selling price was \$0.67 per watt and, in 2015, it was approximately \$ 0.58 per watt. We expect the averaging selling price of standard solar modules to continue to drop, albeit at a moderate rate, mainly resulting from efficiency enhancements and other innovations.

*Solar Wafers and Cells and Silicon Raw Materials Costs Relative to the Pricing of Modules*

We produce solar modules, which are an array of interconnected solar cells encased in a weatherproof frame, and products that use solar modules. Solar cells are the most important component of solar modules. Our solar cells are currently made from mono-crystalline and multi-crystalline silicon wafers through multiple manufacturing steps. Silicon wafers are the most important material for making solar cells. If we are unable to procure silicon, wafers and cells at prices that decline in line with our solar module pricing, our revenues and margins could be adversely impacted, either due to relatively high costs compared to our competitors or further write-downs of inventory, or both. Our market share could decline if competitors are able to offer better pricing than we are.

*Government Subsidies and the Availability of Financing for Solar Projects*

We believe that the near-term growth of the market for on-grid applications depends in large part on the availability and size of government subsidies and economic incentives, and the availability and cost of financing for solar projects.

For a detailed discussion of the impact of government subsidies and incentives, possible changes in government policy and associated risks to our business, see "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Governments may revise, reduce or eliminate subsidies and economic incentives for solar energy, which could cause demand for our products to decline." and "Item 4. Information on the Company B. Business Overview Sales, Marketing and Customers."

For a detailed discussion of the impact of the continuing weak global economy and uncertain global economic outlook, especially in Europe, and associated risks to the availability and cost of debt or equity for solar power projects and our customers' ability to finance the purchase of our products or to construct solar power projects, see "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry The execution of our growth strategy depends upon the continued availability of third-party financing arrangements for our customers, which is affected by general economic conditions. Tight credit markets could depress demand or prices for solar power products and services, hamper our expansion and materially affect our results of operations."

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*Industry and Seasonal Demand*

Our business and revenue growth depend on the demand for solar power. Although solar power technology has been used for several decades, the solar power market has only started to grow significantly in the past few years. See "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry We may be adversely affected by volatile solar power market and industry conditions; in particular, the demand for our solar power products and services may decline, which may reduce our revenues and earnings." Industry demand is affected by seasonality. Demand tends to be lower in winter, particularly in Europe, where adverse weather conditions can complicate the installation of solar power systems, thereby decreasing demand for solar modules. Seasonal changes can also significantly impact the construction schedules of our solar power projects in countries such as Canada, the U.S. and China thereby also decreasing demand. See "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Seasonal variations in demand linked to construction cycles and weather conditions may influence our results of operations."

*Impact of Certain of Our Long-term Purchase Commitments*

Currently, we acquire a large percentage of our requirements of solar wafers through purchasing arrangements. We also acquire a large portion of our requirements of solar cells through purchase arrangements. See "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Long-term supply agreements may make it difficult for us to adjust our raw material costs should prices decrease. Also, if we terminate any of these agreements, we may not be able to recover all or any part of the advance payments we have made to these suppliers and we may be subject to litigation."

*Solar Power Project Development and EPC Services*

In 2015, 27.3% of our total net revenues were generated from our energy development segment. The majority of these revenues came from the sale of solar power projects and the provision of EPC services. Our solar power project development activities have grown over the past several years through a combination of organic growth and acquisitions.

Solar power project development and EPC services involve numerous risks and uncertainties. For a detailed discussion of these risks and uncertainties, see "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Our future success depends partly on our ability to expand the pipeline of our energy development and electricity generation segments in several key markets, which exposes us to a number of risks and uncertainties" and "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Our project development and construction activities may not be successful, projects under development may not receive required permits, property rights, power purchase agreements, or PPAs, interconnection and transmission arrangements, and financing or construction of projects may not commence or continue as scheduled, all of which could increase our costs, delay or cancel a project, and have a material adverse effect on our revenue and profitability."

In 2015, we recognized \$947.2 million of revenues from our energy development segment, including the sale of solar power projects and the provision of EPC services. See "Item 4. Information on the Company B. Business Overview" for additional information on our solar power project development and EPC services.

*Growth of Electricity Generation Segment*

In 2015, 0.9% of our total net revenues were generated from our electricity generation segment. We began operating certain of our solar project in China for the purpose of generating income from the sale of electricity in the fourth quarter of 2014 and we anticipate increasing the amount and size of

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these projects going forward. See "Item 4. Information on the Company B. Business Overview" for additional information on our energy development segment.

*Foreign Exchange*

The majority of our sales in 2015 were denominated in U.S. dollars, Canadian dollars and Japanese yen, with the remainder in other currencies such as Renminbi, Euros and Australian dollars. Our Renminbi costs and expenses are primarily related to the sourcing of solar cells, silicon wafers and silicon, other raw materials, toll manufacturing fees, labor costs and local overhead expenses within the PRC. From time to time, we enter into loan arrangements with Chinese commercial banks that are denominated primarily in Renminbi or U.S. dollars. The greater part of our cash and cash equivalents and restricted cash are denominated in Renminbi. See "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Fluctuations in exchange rates could adversely affect our business, including our financial condition and results of operations."

***New Segment Reporting***

We use the management approach to determine operating segments. The management approach considers the internal organization and reporting used by our chief operating decision maker for making decisions, allocating resources and assessing performance. We have identified our chief executive officer as our chief operating decision maker, as he reviews consolidated and segment results when making decisions about allocating resources and assessing performance for us.

With our decision to expand our business in both building and selling and building and operating project assets, beginning in 2015, we report our financial performance based on the following three segments:

*Module Segment.* The module segment primarily involves the design, development, manufacture and sales of solar power products and solar system kits;

*Energy Development Segment.* The energy development segment primarily involves solar power project development, EPC services, and O&M services; and

*Electricity Generation Segment.* The electronic generation segment primarily holds solar power projects for the purpose of generating income from the sale of electricity.

***Overview of Financial Results***

We evaluate our business using a variety of key financial measures.

*Net Revenues*

*Module Segment*

Revenues generated from our module segment accounted for 80.4%, 59.0% and 71.8% of our net revenues in 2013, 2014 and 2015, respectively. The main factors affecting our net revenues from our module segment include average selling prices per watt and unit volumes shipped, both of which depend on product supply and demand.

*Energy Development Segment*

Revenues generated from our energy development segment accounted for 19.5%, 40.9% and 27.3% of our net revenues in 2013, 2014 and 2015, respectively. Our revenues in the energy development segment are affected by the timing of the completion of solar power projects. See "Item 4. Information on the Company B. Business Overview Sales, Marketing and Customers Solar Project Development" for a description of the status of our solar power projects.

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Revenue recognition for our energy development segment, especially our solar power projects, are, in many cases, not linear in nature due to the timing of when all relevant revenue recognition criteria have been met. During 2015, we recognized \$557.1 million of revenue from the sale of solar power projects using the full accrual method and \$0.9 million of revenue from the percentage-of-completion method. Our revenue recognition policies for the solar power project development are described in " Critical Accounting Policies Revenue Recognition."

Our revenues from sales to customers are recorded net of estimated returns.

Electricity Generation Segment

Revenues contributed by our electricity generation segment represented 0.1%, 0.1% and 0.9% of our net revenues in 2013, 2014 and 2015, respectively. Our revenues in the electricity generation segment are primarily affected by the operation capacity of our solar power system and average electricity selling price. Our revenue recognition policies for the electricity generation segment are described in " Critical Accounting Policies Revenue Recognition."

*Cost of Revenues*

Module Segment

The cost of revenues of our module segment consists primarily of the costs of:

solar cells;

silicon wafers;

high purity and solar grade silicon materials;

materials used in solar cell production, such as metallic pastes;

other materials for the production of solar modules such as glass, aluminum frames, EVA (ethylene vinyl acetate, an encapsulant used to seal the module), junction boxes and polymer back sheets;

production labor, including salaries and benefits for manufacturing personnel;

warranty costs;

overhead, including utilities, production equipment maintenance, share-based compensation expenses for options granted to employees in our manufacturing department and other support expenses associated with the manufacture of our solar power products;

depreciation and amortization of manufacturing equipment and facilities, which are increasing as we expand our manufacturing capabilities;

inventory write-downs; and

depreciation charges relating to under-utilized assets.

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Our cost of revenues increased in 2013, 2014 and 2015, in each instance in line with the change in net revenues for the year.

Before June 2009, we typically sold our standard solar modules with a two-year guarantee for defects in materials and workmanship and a 10-year and 25-year warranty against declines of more than 10% and 20%, respectively, from the initial minimum power generation capacity at the time of delivery. In June 2009, we increased our warranty against defects in materials and workmanship to six years. Effective August 1, 2011, we increased our warranty against defects in materials and workmanship to



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ten years and we guarantee that, for a period of 25 years, our standard solar modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97% of the labeled power output;

from year 2 to year 24, the actual annual power output decline of the module will be no more than 0.7%; and

by the end of year 25, the actual power output of the module will be no less than 80% of the labeled power output.

Effective June 1, 2015, we guarantee that, for a period of 25 years, our polycrystalline modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output;

from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and

by the end of year 25, the actual power output of the module will be no less than 80.7% of the labeled power output.

Effective June 1, 2015, we guarantee that, for a period of 25 years, our monocrystalline modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97% of the labeled power output;

from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and

by the end of year 25, the actual power output of the module will be no less than 80.2% of the labeled power output.

Effective January 1, 2016, we lengthened the warranty against decline in our Dymond modules to 30 years. We guarantee that, for a period of 30 years, our Dymond modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output;

from year 2 to year 29, the actual annual power output decline will be no more than 0.5%; and

by the end of year 30, the actual power output of the module will be no less than 83% of the labeled power output.

In resolving claims under the workmanship warranty, we have the option of remedying through repair, refurbishment or replacement of equipment. In resolving claims under the performance warranty, we have the right to repair or replace solar modules at our option.

We maintain warranty reserves to cover potential liabilities that could arise under these guarantees and warranties. We currently take a 1% warranty provision against our revenue for sales of solar power products.

In April 2010, we began entering into agreements with a group of insurance companies with high credit ratings to back up our warranties. Under the terms of the insurance policies, which are designed to match the terms of our solar module product warranty policy, the insurance companies are obliged to reimburse us, subject to certain maximum claim limits and certain deductibles, for the actual product warranty costs

that we incur under the terms of our solar module product warranty policy. We record the insurance premiums initially as prepaid expenses and amortize them over the respective policy

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period of one year. Each prepaid policy provides insurance against warranty costs for panels sold within that policy year. The warranty insurance is renewable annually. See "Critical Accounting Policies Warranty Costs."

Total write-downs of inventory included in our cost of revenue were \$0.7 million, \$17.0 million and \$23.0 million in 2013, 2014 and 2015, respectively.

On occasion, we enter into firm purchase commitments to acquire materials from our suppliers. A firm purchase commitment represents an agreement that specifies all significant terms, including the price and timing of the transactions, and includes a disincentive for non-performance that is sufficiently large to make performance probable. This disincentive is generally in the form of a take-or-pay provision, which requires us to pay for committed volumes regardless of whether we actually acquire the materials. We evaluate these agreements and record a loss, if any, on firm purchase commitments using the same lower of cost or market approach as that used to value inventory. We record the expected loss only as it relates to the succeeding year, as we are unable to reasonably estimate future market prices beyond one year, in cost of revenues in the consolidated statements of operations. As a result, changes in the cost of materials or sales price of modules will directly affect the computation of the estimated loss on firm purchase commitments and our consolidated financial statements in the following years. We did not record a loss on firm purchase commitments for the years ended December 31, 2013, 2014 and 2015.

In addition, see "Item 3. Key Information D. Risk Factors Risks Related to Our Company and Our Industry Long-term supply agreements may make it difficult for us to adjust our raw material costs should prices decrease. Also, if we terminate any of these agreements, we may not be able to recover all or any part of the advance payments we have made to these suppliers and we may be subject to litigation."

Energy Development Segment

The cost of revenues of our energy development segment consists primarily of the costs of:

acquisition of solar power projects;

development of solar power projects, including interconnection fees and permitting costs;

project management and engineering;

EPC (consisting of costs of the components of solar power system other than solar modules, such as inverters, electrical and mounting hardware, trackers, grid interconnection equipment, wiring and other devices);

interest capitalized for solar power projects during construction period; and

site-specific costs.

For utility-scale solar power projects built by us, we provide a limited workmanship or balance of system warranty against defects in engineering design, installation and construction under normal use, operation and service conditions for a period of up to five years following the energizing of the solar power plant. In resolving claims under the workmanship or balance of system warranty, we have the option of remedying through repair, refurbishment or replacement of equipment. We have entered into similar workmanship warranties with our suppliers to back up our warranties. We maintain warranty reserves to cover potential liabilities that could arise under these guarantees and warranties.

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*Electricity Generation Segment*

The cost of revenues of our electricity generation segment consists primarily of the costs of:

depreciation and amortization of solar projects equipment and facilities;

labor, including salaries and benefits for operational and maintenance personnel; and

other operational and maintenance costs of solar power projects.

*Gross Profit/Gross Margin*

Our gross profit is affected by a number of factors, including the success of and contribution from all three of our operating segments, the average selling price of our solar power products, our product mix, loss on firm purchase commitments under long-term supply agreements, and our ability to cost-effectively manage our supply chain.

*Operating Expenses*

Our operating expenses include selling expenses, general and administrative expenses, and research development expenses. Our operating expenses decreased in 2013, increased in 2014 and 2015. We expect our operating expenses to increase as our net revenues grow in the future. On a percentage basis, however, we expect our operating expenses to remain constant with the growth of our operations.

*Selling Expenses*

Selling expenses consist primarily of salaries and benefits, transportation and customs expenses for delivery of our products, sales commissions for our sales personnel and sales agents, advertising, promotional and trade show expenses, and other sales and marketing expenses. Our selling expenses decreased in 2013, increased in 2014 and increased in 2015. We expect as we increase our sales volumes in the future, our selling expenses will increase as we hire additional sales personnel, target more markets and initiate additional marketing programs to reach our goal of continuing to be a leading global brand.

*General and Administrative Expenses*

General and administrative expenses consist primarily of salaries and benefits for our administrative and finance personnel, consulting and professional service fees, government and administration fees and insurance fees. Our general and administrative expenses decreased in 2013, increased in 2014 and increased in 2015. We expect our general and administrative expenses to increase to support the anticipated growth of our business.

*Research and Development Expenses*

Research and development expenses consist primarily of costs of raw materials used in our research and development activities, salaries and benefits for research and development personnel and prototype and equipment costs related to the design, development, testing and enhancement of our products and our silicon reclamation program. In 2013, 2014 and 2015, our research and development expenses accounted for 0.7%, 0.4% and 0.5% of our total net revenues. We expect that our research and development expenses will increase as we devote more efforts to research and development in the future.

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Under our share incentive plan, as of December 31, 2015, we had outstanding:

675,709 stock options;

349,500 restricted shares; and

1,311,410 restricted share unit.

For a description of the stock options, restricted share units and restricted shares granted, including the exercise prices and vesting periods, see "Item 6. Directors, Senior Management and Employees B. Compensation of Directors and Executive Officers Share-based Compensation Share Incentive Plan." We recognize share-based compensation to employees as expenses in our statement of operations based on the fair value of the equity awarded on the date of the grant. The compensation expense is recognized over the period in which the recipient is required to provide services in exchange for the equity award.

We have made an estimate of expected forfeitures and are recognizing compensation costs only for those equity awards that we expect to vest. We estimate our forfeitures based on past employee retention rates and our expectations of future retention rates. We will prospectively revise our forfeiture rates based on actual history. Our share-based compensation expenses may change based on changes to our actual forfeitures.

For the year ended December 31, 2015, we recorded share-based compensation expenses of approximately \$6.0 million, compared to approximately \$5.1 million for the year ended December 31, 2014. We have categorized these share-based compensation expenses in our:

cost of revenues;

selling expenses;

general and administrative expenses; and

research and development expenses,

depending on the job functions of the individuals to whom we granted the options, restricted shares and restricted share units. The following table sets forth, for the periods indicated, the allocation of our share-based compensation expenses both in absolute amounts and as a percentage of total share-based compensation expenses.

|  | Years Ended December 31,                     |        |       |        |       |        |
|--|--|--------|-------|--------|-------|--------|
|  | 2013   |        | 2014  |        | 2015  |        |
|  | (In thousands of \$, except for percentages) |        |       |        |       |        |
| Share-based compensation expenses included in: |  |        |       |        |       |        |
| Cost of revenues                               | 740  | 16.4%  | 807   | 15.9%  | 697   | 11.7%  |
| Selling expenses                               | 760  | 16.9   | 974   | 19.1   | 1,088 | 18.2   |
| General and administrative expenses            | 2,661  | 59.0   | 3,008 | 59.1   | 3,889 | 65.2   |
| Research and development expenses              | 347  | 7.7    | 298   | 5.9    | 292   | 4.9    |
| Total share-based compensation expenses        | 4,508  | 100.0% | 5,087 | 100.0% | 5,966 | 100.0% |

We expect to incur additional share-based compensation expenses as we expand our operations.

*Interest Expense*

Interest expense consists primarily of interest incurred with respect to our short and long-term borrowings from Chinese commercial banks, borrowings from international banks and \$150 million convertible senior notes issued in February 2014.

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*Gain (Loss) on Change in Fair Value of Derivatives*

We have entered into foreign currency derivatives to hedge part of the risks of our expected cash flows, mainly in Japanese yen, Euros, Canadian dollars and Renminbi. We had a gain on the change in fair value of derivatives in our 2013 and 2014 associated with our hedging activities. In 2015, we had a loss on the change in fair value of derivatives of \$12.2 million, which included a \$3.7 million loss on change in fair value of foreign currency derivatives, a \$8.9 million loss on change in fair value of warrants and a \$0.4 million gain in change in fair value of interest rate swap/swaption contracts. The warrants were issued in conjunction with the \$180 million in financing arranged by Credit Suisse AG, Singapore Branch, or Credit Suisse, in the fourth quarter of 2015. These warrants can be settled in cash at the discretion of the holder and as a result they are derivative liabilities that were recorded at fair value at issuance and subsequently marked to market at the end of each reporting period.

*Income Tax Expense*

We recognize deferred tax assets and liabilities for temporary differences between the financial statement and income tax bases of assets and liabilities. Valuation allowances are provided against deferred tax assets when management cannot conclude that it is more likely than not that some portion or all deferred tax assets will be realized.

We are governed by the CBCA, a federal statute of Canada and are registered to carry on business in Ontario. This subjects us to both Canadian federal and Ontario provincial corporate income taxes. Our combined tax rates were all 26.5% for the years ended 2013, 2014 and 2015.

PRC enterprise income tax is calculated based on taxable income determined under PRC accounting principles with a uniform enterprise income tax rate of 25%. Our major operating subsidiaries, CSI Solartronics, CSI New Energy Holding, CSI Cells, CSI Luoyang Manufacturing, CSI Technologies and CSI Changshu Manufacturing, are subject to taxation in China. Certain of these subsidiaries once enjoyed preferential tax benefits, such as a reduced enterprise income tax rate of 12.5%. However, these benefits have now expired. In 2015, only our partially owned subsidiary, Suzhou Sanysolar, which was recognized as an HNTE and satisfied applicable statutory requirements, enjoyed a reduced enterprise income tax rate of 15%. As most of the preferential tax benefits enjoyed by our PRC subsidiaries expired, their effective tax rates increased significantly.

The EIT Law provides that enterprises established outside China whose "de facto management body" is located in China are considered PRC tax residents and will generally be subject to the uniform 25% enterprise income tax rate on their global income. Under the implementation regulations, the term "de facto management body" is defined as substantial and overall management and control over such aspects as the production and business, personnel, accounts and properties of an enterprise. Circular 82 further provides certain specific criteria for determining whether the "de facto management body" of a PRC-controlled offshore incorporated enterprise is located in the PRC. The criteria include whether (a) the premises where the senior management and the senior management bodies responsible for the routine production and business management of the enterprise perform their functions are mainly located within the PRC, (b) decisions relating to the enterprise's financial and human resource matters are made or subject to approval by organizations or personnel in the PRC, (c) the enterprise's primary assets, accounting books and records, company seals, and board and shareholders' meeting minutes are located or maintained in the PRC and (d) 50% or more of voting board members or senior executives of the enterprise habitually reside in the PRC. Although Circular 82 only applies to offshore enterprises controlled by enterprises or enterprise groups located within the PRC, the determining criteria set forth in the Circular 82 may reflect the tax authorities' general position on how the "de facto management body" test may be applied in determining the tax resident status of offshore enterprises. As the tax resident status of an enterprise is subject to the determination by the PRC tax authorities, uncertainties remain with respect to the interpretation of the term "de facto management

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body" as applicable to our offshore entities. As a substantial number of the members of our management team are located in China, we may be considered as a PRC tax resident under the EIT Law and, therefore, subject to the uniform 25% enterprise income tax rate on our global income.

Under the EIT Law and implementing regulations issued by the State Council, the PRC withholding tax rate of 10% is generally applicable to interest and dividends payable to investors that are not "resident enterprises" in the PRC, to the extent such interest or dividends have their sources within the PRC. We consider the undistributed earnings of our PRC subsidiaries (approximately \$197.6 million as of December 31, 2015) to be indefinitely reinvested in China, and, consequently, we have made no provision for withholding taxes for those amounts.

*Critical Accounting Policies*

We prepare financial statements in accordance with U.S. GAAP, which requires us to make judgments, estimates and assumptions that affect (a) the reported amounts of our assets and liabilities, (b) the disclosure of our contingent assets and liabilities at the end of each fiscal period and (c) the reported amounts of revenues and expenses during each fiscal period. We regularly evaluate these estimates based on our own historical experience, knowledge and assessment of current business and other conditions, our expectations regarding the future based on available information and reasonable assumptions, which together form our basis for making judgments about matters that are not readily apparent from other sources. Since the use of estimates is an integral component of the financial reporting process, our actual results could differ from those estimates. Some of our accounting policies require a higher degree of judgment than others in their application.

When reviewing our financial statements, the following should be considered: (a) our selection of critical accounting policies, (b) the judgment and other uncertainties affecting the application of such policies and (c) the sensitivity of reported results to changes in conditions and assumptions. We believe the following accounting policies involve the most significant judgments and estimates used in the preparation of our financial statements.

*Revenue Recognition*

*Module Segment*

We recognize revenues for solar product sales when persuasive evidence of an arrangement exists, delivery of the product has occurred and title and risk of loss has passed to the customers, the sales price is fixed or determinable and the collectability of the resulting receivable is reasonably assured. If collectability is not reasonably assured, we recognize revenue only upon collection of cash. Revenues also include reimbursements received from customers for shipping and handling costs. Sales agreements typically contain the customary product warranties but do not contain any post-shipment obligations nor any return or credit provisions.

A majority of our contracts provide that products are shipped under the terms of free on board, or FOB, ex-works, or cost, insurance and freight, or CIF, and delivered duty paid, or DDP. Under FOB, we fulfill our obligation to deliver when the goods have passed over the ship's rail at the named port of shipment. The customer has to bear all costs and risks of loss or damage to the goods from that point. Under ex-works, we fulfill our obligation to deliver when we have made the goods available at our premises to the customer. The customer bears all costs and risks involved in taking the goods from our premises to the desired destination. Under CIF, we must pay the costs, marine insurance and freight necessary to bring the goods to the named port of destination but the risk of loss of or damage to the goods as well as any additional costs due to events occurring after the time the goods have been delivered on board the vessel, is transferred to the customer when the goods pass the ship's rail in the port of shipment. Under DDP, we are responsible for making a safe delivery of goods to a named



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destination, paying all transportation expenses and the duty. We bear the risks and costs associated with supplying the goods to the delivery location.

As of December 31, 2013, 2014 and 2015, we had inventories of \$8.2 million, \$7.5 million and \$7.3 million, respectively, relating to sales to customers where revenues were not recognized because the collection of payment was not reasonably assured. The delivered products remain as inventories on our consolidated balance sheets, regardless of whether title has been transferred. In such cases, we recognize revenues, adjust inventories and recognize cost of revenues when payment is collected from customers.

Our revenues from sales to customers are recorded net of estimated returns. We periodically accrue an estimate for sales returns at the time of sale using our judgment based on historical results and anticipated returns as a result of current period sales. As of December 31, 2013, 2014 and 2015, we had a sales return reserve of \$0.2 million, \$0.1 million and nil, respectively. To the extent actual returns differ from these estimates, revisions may be required.

We enter into toll manufacturing arrangements in which we receive cells and returns finished modules. In such cases, the title of the cells received and risk of loss remains with the seller. As a result, we do not recognize inventory on the consolidated balance sheets. We recognize a service fee as revenue when the processed modules are delivered. During the years ended December 31, 2013, 2014 and 2015, we recognized revenue of \$14.0 million, \$16.6 million and \$6.8 million, respectively, under the toll manufacturing arrangements.

Energy Development Segment

We use the percentage-of-completion method to recognize revenues for which we provide EPC services and development services, unless we cannot make reasonably dependable estimates of the costs to complete the contract, in which case we would use the completed contract method. The percentage-of-completion method is considered appropriate in circumstances in which reasonably dependable estimates can be made and in which all the following conditions exist: (a) contracts executed by the parties normally include provisions that clearly specify the enforceable rights regarding goods or services to be provided and received by the parties, the consideration to be exchanged, and the manner and terms of settlement; (b) the buyer can be expected to satisfy all obligations under the contract; and (c) the contractor can be expected to perform all contractual obligations. We use the cost-to-cost method to measure the percentage of completion and recognize revenue based on the estimated progress to completion. We periodically revise our profit estimates based on changes in facts, and immediately recognize any losses that are identified on contracts. Incurred costs include all direct material, labor, subcontractor cost, and other associated costs. We recognize job material costs as incurred costs when the job materials have been permanently attached or fitted to the solar power projects as required by the engineering design. The construction periods normally extend beyond six months and less than one year.

The percentage-of-completion method of revenue recognition requires us to make estimates of net contract revenues and costs to complete contracts. In making such estimates, management judgments are required to evaluate significant assumptions including the amount of net contract revenues, the cost of materials and labor, expected labor productivity, the impact of potential variances in schedule completion, and the impact of any penalties, claims, change orders, or performance incentives.

If estimated total costs on any contract are greater than the net contract revenues, we recognize the entire estimated loss in the period the loss becomes known. The cumulative effect of the revisions to estimates related to net contract revenues and costs to complete contracts, including penalties, claims, change orders, performance incentives, anticipated losses, and others are recorded in the period in which revisions to the estimates are identified and the amounts can be reasonably estimated. The effect of the changes on future periods are recognized as if the revised estimates had been used since

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revenue was initially recognized under the contract. Such revisions could occur in any reporting period, and the effects may be material depending on the size of the contracts or the changes in estimates.

We recognize revenue from the sale of project assets in accordance with Accounting Standards Codification, or ASC, 360-20, Real Estate Sales. For these transactions, we have determined that the project assets, which represent the costs of constructing solar power projects, represent "integral" equipment and as such, the entire transaction is in substance the sale of real estate and subject to the revenue recognition guidance under ASC 360-20 Real Estate Sales. We record the sale as revenue using one of the following revenue recognition methods, based upon evaluation of the substance and form of the terms and conditions of such real estate sales arrangements: (i) Full accrual method. We record revenue for certain sales arrangements after construction of discrete portions of a project or after the entire project is substantially complete. We recognize revenue and profit using the full accrual method when all of the following requirements are met: (a) the sales are consummated; (b) the buyer's initial and continuing investments are adequate to demonstrate its commitment to pay; (c) the receivable is not subject to any future subordination; and (d) we have transferred the usual risk and rewards of ownership to the buyer. Specifically, we consider the following factors in determining whether the sales have been consummated: (a) the parties are bound by the terms of a contract; (b) all consideration has been exchanged; (c) permanent financing for which the seller is responsible has been arranged; and (d) all conditions precedent to closing have been performed, and we do not have any substantial continuing involvement with the project. (ii) Percentage-of-completion method. We apply the percentage-of-completion method, as further described below, to certain real estate sales arrangements where we convey control of land or land rights, (a) when a sale has been consummated; (b) we have transferred the usual risks and rewards of ownership to the buyer; (c) the initial and continuing investment criteria have been met; (d) we have the ability to estimate its costs and progress toward completion, and (e) all other revenue recognition criteria have been met. The initial and continuing investment requirements, which demonstrate a buyer's commitment to honor their obligations for the sales arrangement, can typically be met through the receipt of cash or an irrevocable letter of credit from a highly creditworthy lending institution. When evaluating whether the usual risks and rewards of ownership have transferred to the buyer, we consider whether we have or may be contingently required to have any prohibited forms of continuing involvement with the project. Prohibited forms of continuing involvement in a real estate sales arrangement may include us retaining risks or rewards associated with the project that are not customary with the range of risks or rewards that an EPC contractor may assume. (iii) Installment method. Depending on whether the initial and continuing investment requirements have been met, and whether collectability from the buyer is reasonably assured, we may align our revenue recognition and release of project assets or deferred project costs to cost of sales with the receipt of payment from the buyer if the sale has been consummated and we have transferred the usual risks and rewards of ownership to the buyer. (iv) Financing method. On occasionally we sell an interest in the project assets to a third party with an option to repurchase those assets in the future. We consider that there are continuing involvements in the projects, and thus no profit or sales is recognized. All the project assets remain on our consolidated balance sheets. The total proceeds from the buyers are reflected as other non-current liabilities on the consolidated balance sheets. The buyer's shares of earnings in the projects, during each period are reflected as interest expenses with a corresponding increase to the respective financing liabilities. Further distributions from the partnership are reflected as a decrease to the other non-current liabilities. As of December 31, 2015, we recorded \$3.2 million included in other non-current liabilities on the consolidated balance sheet. There were no distributions during the year ended December 31, 2015.

During 2015, we recognized \$557.1 million and \$0.9 million of revenue from the sale of solar power projects using the full accrual method and percentage-of-completion method, respectively.

We allocate revenue for transactions involving multiple-element arrangements to each unit of accounting on a relative fair value basis. We estimate fair value on each unit of accounting on the

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following basis (a) vendor-specific objective evidence of selling price, if it exists, otherwise, (b) third-party evidence of selling price. If neither (a) nor (b) exists, management's best estimate of the selling price for that unit of accounting is used. We recognize revenue for each unit of accounting when the revenue recognition criteria have been met.

Electricity Generation Segment

Electricity revenue is generated primarily from various non-affiliated parties under long-term PPAs and performance based energy incentives. We recognize electricity revenue when persuasive evidence of an arrangement exists, electricity has been generated and transmitted to the grid, the price of electricity is fixed or determinable and the collectability of the resulting receivable is reasonably assured.

Performance-based energy incentives are awarded under certain state programs for the delivery of renewable electricity. We recognize performance-based energy incentives of electricity revenue generated from solar power systems when the condition attached to it has been met and there is reasonable assurance that the grant will be received. During the year ended December 31, 2015, we recognized government subsidy of \$16.1 million related to electricity generated from solar power systems in revenue.

Certain PPAs are accounted for as operating leases in accordance with ASC 840-20, Operating Leases. Minimum lease payments are recognized over the term of the lease and contingent rents are recorded when the achievement of the contingency becomes probable in accordance with the U.S. GAAP. None of our operating leases have minimum lease payments, so revenue from these contracts is recognized as energy and any related renewable energy attributes are delivered. During the year ended December 31, 2015, the total lease income recognized was \$6.1 million related to PPAs.

Warranty Costs

Before June 2009, we typically sold our standard solar modules with a two-year guarantee for defects in materials and workmanship and a 10-year and 25-year warranty against declines of more than 10% and 20%, respectively, from the initial minimum power generation capacity at the time of delivery. In June 2009, we have increased our warranty against defects in materials and workmanship to six years. Effective June 1, 2015, we guarantee that, for a period of 25 years, our polycrystalline modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output;

from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and

by the end of year 25, the actual power output of the module will be no less than 80.7% of the labeled power output.

Effective June 1, 2015, we guarantee that, for a period of 25 years, our monocrystalline modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97% of the labeled power output;

from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and

by the end of year 25, the actual power output of the module will be no less than 80.2% of the labeled power output.

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In addition, effective January 1, 2015, we lengthened the warranty against decline in our Dymond modules to 30 years. We guarantee that, for a period of 30 years, our Dymond modules will maintain the following performance levels:

during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output;

from year 2 to year 29, the actual annual power output decline will be no more than 0.5%; and

by the end of year 30, the actual power output of the module will be no less than 83% of the labeled power output.

In resolving claims under the workmanship warranty, we have the option of remedying through repair, refurbishment or replacement of equipment. In resolving claims under the performance warranty, we have the right to repair or replace solar modules, at our option.

For utility-scale solar power projects built by us, we provide a limited workmanship or balance of system warranty against defects in engineering design, installation and construction under normal use, operation and service conditions for a period of up to five years following the energizing of the solar power plant. In resolving claims under the workmanship or balance of system warranty, we have the option of remedying through repair, refurbishment or replacement of equipment. We have entered into similar workmanship warranties with our suppliers to back up our warranties.

We maintain warranty reserves to cover potential liabilities that could arise under these guarantees and warranties. Due to limited warranty claims to date, we accrue the estimated costs of warranties based on an assessment of our competitors' and our own actual claim history, industry-standard accelerated testing, estimates of failure rates from our quality review, and other assumptions that we believe to be reasonable under the circumstances. Actual warranty costs are accumulated and charged against the accrued warranty liability. To the extent that accrual for warranty costs differs from the estimates, we will prospectively revise our accrual rate. We currently record a 1% warranty provision against our revenue for sales of solar power products.

In April 2010, we began entering into agreements with a group of insurance companies with high credit ratings to back up our warranties. Under the terms of the insurance policies, which are designed to match the terms of our solar module product warranty policy, the insurance companies are obliged to reimburse us, subject to certain maximum claim limits and certain deductibles, for the actual product warranty costs that we incur under the terms of our solar module product warranty policy. We record the insurance premiums initially as prepaid expenses and amortize them over the respective policy period of one year. Each prepaid policy provides insurance against warranty costs for panels sold within that policy year.

The warranty obligations we record relate to defects that existed when the product was sold to the customer. The event which we are insured against through our insurance policies is the sale of products with these defects. Accordingly, we view the insured losses attributable to the shipment of defective products covered under its warranty as analogous to potential claims, or claims that have been incurred as of the product ship date, but not yet reported. We expect to recover all or a portion of its obligation through insurance claims. Therefore, our accounting policy is to record an asset for the amount determined to be probable of recovery from the insurance claims (not to exceed the amount of the total losses incurred), consistent with the guidance set forth at ASC 410-30.

We consider the following factors in determining whether an insurance receivable that is probable and recoverability can be reasonably estimated:

reputation and credit rating of the insurance company;

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comparison of the solar module product warranty policy against the terms of the insurance policies, to ensure valid warranty claims submitted by customers will be covered by the policy and therefore reimbursed by the insurance companies; and

with respect to specific claims submitted, written communications from the insurance company are monitored to ensure the claim has been promptly submitted to and accepted by the insurance company, and reimbursements have been subsequently collected. The successfully processed claims provide further evidence that the insurance policies are functioning as anticipated.

To the extent uncertainties regarding the solvency of insurance carriers or the legal sufficiency of insurance claims (including if they became subject to litigation) were to arise, we will establish a provision for uncollectible amounts based on the specific facts and circumstances. To date, no provision had been determined to be necessary. In addition, to the extent that accrual for warranty costs differs from the estimates and we prospectively revise our accrual rate, this change may result in a change to the amount expected to be recovered from insurance.

As the warranty obligation and related recovery asset do not meet the criteria for offsetting, the gross amounts are reported in our consolidated balance sheets. The asset is expected to be realized over the life of the warranty obligation, which is 25 years and is treated as a non-current asset consistent with the underlying warranty obligation. When a specific claim is submitted, and the corresponding insurance proceeds will be collected within twelve months of the balance sheet date, we will reclassify that portion of the receivable as being current. The insurance receivable amounts were \$43.4 million and \$56.6 million at the end of 2014 and 2015, respectively, and were included as a component of other non-current assets.

We made downward adjustments to our accrued warranty costs of \$9.1 million and other non-current assets of \$5.0 million, for the year ended December 31, 2015, to reflect the general declining trend of the average selling price of solar modules, which is a primary input into the estimated warranty costs. Accrued warranty costs (net effect of adjustments) of \$(16.5) million, \$18.6 million and \$15.9 million are included in cost of revenues for the years ended December 31, 2013, 2014 and 2015, respectively.

*Impairment of Long-lived Assets*

We assess the recoverability of the carrying value of long-lived assets when an indicator of impairment has been identified. We review the long-lived assets each reporting period to assess whether impairment indicators are present. For purposes of recognition and measurement of an impairment loss, a long-lived asset or assets is grouped with other assets and liabilities at the lowest level for which identifiable cash flows are largely independent of the cash flows of other assets and liabilities. For long-lived assets, when impairment indicators are present, we compare undiscounted future cash flows, including the eventual disposition of the asset group at market value, to the asset group's carrying value to determine if the asset group is recoverable. Assessments also consider changes in asset group utilization, including the temporary idling of capacity and the expected timing of placing this capacity back into production. If the sum of the expected undiscounted cash flows is less than the carrying amount of the assets, we will recognize an impairment loss based on the fair value of the assets. We recorded impairment charges of \$3.7 million, \$1.6 million and \$7.0 million related to the write-down of mono-crystalline ingot furnaces in 2013, wafer sorting machine and other fixed assets in China in 2014 and certain idle assets in China and Canada in 2015, respectively.

*Allowance for Doubtful Accounts*

We conduct credit evaluations of our customers and generally do not require collateral or other security from them. We establish allowances for doubtful accounts primarily based upon the age of our

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receivables and factors surrounding the credit risk of specific customers. As of December 31, 2013, 2014 and 2015, an allowance for doubtful accounts receivable of \$38.5 million, \$31.8 million and \$28.2 million, respectively, was established for certain customers for whom management sees a credit risk on the collection of accounts receivable balances. The allowance for doubtful accounts receivable as of December 31, 2013, 2014 and 2015 included \$19.2 million, \$14.8 million and \$14.0 million, respectively, relating to one customer in China with severe liquidity issues. We began purchasing insurance from Sinosure since 2009 for certain of its accounts receivable trade in order to reduce its exposure to bad debt loss. We establish allowances for all doubtful accounts according to our allowance policy regardless of whether such accounts are covered by Sinosure insurance. For the amounts recoverable from Sinosure, we recorded \$0.5 million, \$0.6 million and \$0.4 million in prepaid expenses and other current assets as of December 31, 2013, 2014 and 2015, respectively.

With respect to advances to suppliers, primarily suppliers of solar cells, solar wafers and silicon raw materials, we perform ongoing credit evaluations of their financial condition. We generally do not require collateral or security against advances to suppliers, as they tend to be recurring supply partners. However, we maintained a reserve for potential credit losses for advances to suppliers as of December 31, 2013, 2014 and 2015 of \$40.0 million, \$37.7 million and \$28.6 million, respectively. The reserves as of December 31, 2015 include allowances on advances to a UMG-Si supplier of \$9.1 million and allowances on advances to Deutsche Solar of \$14.6 million.

*Inventories*

Inventories are stated at the lower of cost or market. Cost is determined by the weighted-average method. Cost of inventories consists of direct materials and, where applicable, direct labor costs, tolling costs and those overhead costs that have been incurred in bringing the inventories to their present location and condition.

Adjustments are recorded to write down the cost of obsolete and excess inventories to the estimated market value based on historical and forecast demand. The write-down of inventories for the years ended December 31, 2013, 2014 and 2015 were \$0.7 million, \$17.0 million and \$23.0 million, respectively.

We outsource portions of our manufacturing process. These outsourcing arrangements may or may not include transfer of title of the raw materials inventory to third-party manufacturers. Such raw materials are recorded as raw materials inventory when purchased from suppliers. For those outsourcing arrangements in which the title is not transferred, we maintain such inventory on our consolidated balance sheets as raw materials inventory while it is in physical possession of the third-party manufacturer. Upon receipt, processed inventory is reclassified to work-in-process inventory and a processing fee is paid to the third-party manufacturer.

For those outsourcing arrangements, characterized as sales, in which title (including risk of loss) is transferred to the third-party manufacturer, we are constructively obligated, through raw materials sales agreements and processed inventory purchase agreements, which have been entered into with the third-party manufacturer simultaneously, to repurchase the inventory once processed. In this case, the raw materials remain classified as raw material inventory while in physical possession of the third-party manufacturer and cash is received, which is classified as "advances from customers" on the consolidated balance sheets and not as revenue or deferred revenue. Cash payments for outsourcing arrangements, which require prepayments for repurchase of the processed inventory, are classified as "advances to suppliers" on the consolidated balance sheets. There is no right of offset for these arrangements and accordingly, "advances from customers" and "advances to suppliers" remain on the consolidated balance sheets until the processed inventory is repurchased.

On occasion, we enter into firm purchase commitments to acquire materials from its suppliers. A firm purchase commitment represents an agreement that specifies all significant terms, including the

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price and timing of the transactions, and includes a disincentive for non-performance that is sufficiently large to make performance probable. This disincentive is generally in the form of a take-or-pay provision, which requires us to pay for committed volumes regardless of whether we actually acquire the materials. We evaluate these agreements and record a loss, if any, on firm purchase commitments using the same lower of cost or market approach as that used to value inventory. We record the expected loss only as it relates to the succeeding year, as we are unable to reasonably estimate future market prices beyond one year, in cost of revenues in the consolidated statements of operations. As a result, changes in the cost of materials or sales price of modules will directly affect the computation of the estimated loss on firm purchase commitments and our consolidated financial statements in the following years.

*Project Assets*

Project assets consist primarily of capitalized costs relating to solar power projects in various stages of development prior to the intended sale of the solar power projects to a third party. These costs include certain acquisition costs, land costs and costs for developing and constructing a solar power system. Development costs can include legal, consulting, permitting, and other similar costs. Construction costs can include execution of field construction, installation of solar equipment, solar modules and related equipment. Interest costs incurred on debt during the construction phase and all deferred financing costs amortized during the construction phase are also capitalized within project assets.

Solar power projects were preliminarily classified as solar power systems unless we have intention to sell them to third parties. In that case, they will be classified as project assets on the balance sheets. During the development phase, these solar power projects are accounted for in accordance with the recognition, initial measurement and subsequent measurement subtopics of ASC 970-360, as they are considered in substance real estates. While the solar power projects are in the development phase, they are generally classified as non-current assets, unless it is anticipated that construction will be completed and the sale will occur within one year.

Once the development of the solar power projects is substantially complete and the projects reach Commercial Operation Date, or COD, appropriateness of the classification of project assets is assessed based on the circumstances at that time. Solar power projects that we intend to sell to third parties are transferred from solar power systems to project assets during the period. Solar power projects that we intend to hold and operate to generate electricity income are still classified as solar power systems.

Project assets are classified as current assets on the consolidated balance sheets when the criteria in ASC 360-10-45-9 are met.

We review project assets for impairment whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. We consider a project commercially viable or recoverable if it is anticipated to be sold for a profit once it is either fully developed or fully constructed. We consider a partially developed or partially constructed project commercially viable or recoverable if the anticipated selling price is higher than the carrying value of the related project assets. We examine a number of factors to determine if the project will be recoverable, the most notable of which include whether there are any changes in environmental, ecological, permitting, market pricing or regulatory conditions that impact the project. Such changes could cause the costs of the project to increase or the selling price of the project to decrease. If a project is not considered recoverable, we impair the respective project assets and adjust the carrying value to the estimated recoverable amount, with the resulting impairment recorded within operations. We recorded impairment charges for project assets of \$1.6 million, \$2.3 million and nil for the years ended December 31, 2013, 2014 and 2015, respectively.

The cash flows associated with the acquisition, construction, and sale of projects assets are classified as operating activities in the consolidated statements of cash flows. Project assets are often

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held in separate legal entities which are formed for the special purpose of constructing the project assets, which we refer to as "project companies". We consolidate project companies as described in Note 2 "Summary of Principal Accounting Policies (b) Basis of consolidation" to our consolidated financial statements for the year ended December 31, 2015 included in this annual report on Form 20-F. The cash paid to the non-controlling interest in connection with disposal of such project companies was recorded as a financing activity in the consolidated statement of cash flows.

We do not depreciate the project assets, when they are considered held for sale. Any revenue generated from a solar power system connected to the grid would be considered incidental revenue and accounted for as a reduction of the capitalized project costs for development. If circumstances change, and we will begin to operate the project assets for the purpose of generating income from the sale of electricity, the project assets will be reclassified to property, plant and equipment. In 2015, we determined to expand our business model to both building and selling and building and operating certain projects. As a result, project assets amounted \$347.2 million were reclassified to solar power systems.

*Income Taxes*

Deferred income taxes are recognized for temporary differences between the tax basis of assets and liabilities and their reported amounts in the financial statements, net tax loss carry-forwards and credits using the enacted tax rates expected to apply to taxable income in the periods in which the deferred tax liability or asset is expected to be settled or realized. Deferred tax assets are reduced by a valuation allowance when it is more likely than not that some portion or all of the deferred tax assets will not be realized. The ultimate realization of deferred tax assets is dependent upon the generation of future taxable income during the periods in which those temporary differences become deductible for tax purposes. We have recognized a valuation allowance of \$53.0 million and \$56.0 million as of December 31, 2014 and 2015, respectively.

Current income taxes are provided for in accordance with the laws of the relevant taxing jurisdictions. The components of the deferred tax assets and liabilities are individually classified as current and non-current based on the characteristics of the underlying assets and liabilities, or the expected timing of their use when they do not relate to a specific asset or liability.

Income tax expense includes (a) deferred tax expense, which generally represents the net change in the deferred tax asset or liability balance during the year plus any change in valuation allowances; (b) current tax expense, which represents the amount of tax currently payable to or receivable from a taxing authority; and (c) non-current tax expense, which represents the increases and decreases in amounts related to uncertain tax positions from prior periods and not settled with cash or other tax attributes. We only recognize tax benefits related to uncertain tax positions when such positions are more likely than not of being sustained upon examination. For such positions, the amount of tax benefit that we recognize is the largest amount of tax benefit that is more than fifty percent likely of being sustained upon the ultimate settlement of such uncertain tax position. We record penalties and interests associated with the uncertain tax positions as a component of income tax expense.

*Recently Issued Accounting Pronouncements*

In May 2014, the Financial Accounting Standards Board, or FASB, issued Accounting Standards Updates, or ASU, 2014-09, Revenue from Contracts with Customers (Topic 606), to clarify the principles of recognizing revenue and create common revenue recognition guidance between U.S. GAAP and International Financial Reporting Standards. An entity has the option to apply the provisions of ASU 2014-09 either retrospectively to each prior reporting period presented or retrospectively with the cumulative effect of initially applying this standard recognized at the date of initial application. ASU 2014-09 is effective for fiscal years and interim periods within those years



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beginning after December 15, 2016, and early adoption is not permitted. In August, 2015, the FASB updated this standard to ASU 2015-14, the amendments in this Update defer the effective date of Update 2014-09, that the Update should be applied to annual reporting periods beginning after December 15, 2017 and earlier application is permitted only as of annual reporting periods beginning after December 15, 2016, including interim reporting periods within that reporting period. We are still in the process of assessing the potential financial impact the adoption will have to us.

In February 2015, the FASB issued ASU 2015-02, Consolidation (Topic 810) Amendments to the Consolidation Analysis. ASU 2015-02 modifies existing consolidation guidance related to (i) limited partnerships and similar legal entities, (ii) the evaluation of variable interests for fees paid to decision makers or service providers, (iii) the effect of fee arrangements and related parties on the primary beneficiary determination, and (iv) certain investment funds. These changes are expected to limit the number of consolidation models and place more emphasis on risk of loss when determining a controlling financial interest. ASU 2015-02 is effective for fiscal years and interim periods within those years beginning after December 15, 2015. Early adoption is permitted. We are still in the process of assessing the potential financial impact to us.

In April 2015, the FASB issued ASU 2015-03 as part of its simplification initiative. Under the ASU, an entity presents such costs in the balance sheet as a direct deduction from the related debt liability rather than as an asset. Amortization of the costs is reported as interest expense. The requirement to present debt issuance costs as a direct reduction of the related debt liability (rather than as an asset) is consistent with the presentation of debt discounts under U.S. GAAP. In August 2015, the FASB issued ASU 2015-15 related with the presentation and subsequent measurement of debt issuance costs associated with line-of-credit arrangements, under which the SEC staff stated it would not object to an entity deferring and presenting debt issuance costs as an asset and subsequently amortizing the deferred debt issuance costs ratably over the term of the line-of-credit arrangement, regardless of whether there are any outstanding borrowings on the line-of-credit arrangement. We plan to adopt the new standard for the year beginning January 1, 2016 retrospectively, and do not expect the adoption to have a significant net impact on the financial statements.

In July, 2015, the FASB issued ASU 2015-11 as part of its simplification initiative. The ASU changes the way of measurement on inventory, which currently requires an entity to measure inventory at the lower of cost or market. The amendments in this Update require an entity to measure inventory within the scope of this Update at the lower of cost and net realizable value. We plan to adopt the new standard for the year beginning January 1, 2016, and are still in the process of assessing the potential financial impact to us.

In September 2015, the FASB issued ASU 2015-16 related to the accounting for measurement period adjustments recognized in a business combination. Under the previous standard, when adjustments were made to amounts previously reported as part of a business combination during the measurement period, entities were required to revise comparative information for prior periods. Under the new standard, entities must recognize these adjustments in the reporting period in which the amounts are determined rather than retrospectively. We have early adopted the new standard during the fourth quarter of 2015, which did not have a significant impact on the financial statements.

In November 2015, the FASB issued ASU 2015-17 as part of its simplification initiative. To simplify the presentation of deferred income taxes, the amendments in this Update require that deferred tax liabilities and assets be classified as noncurrent in a classified statement of financial position. We plan to adopt the new standard for the year beginning January 1, 2016 retrospectively, and do not expect the adoption to have a significant net impact on the financial statements.

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In January 2016, the FASB issued ASU 2016-01, Financial Instruments - Overall (Subtopic 825-10) Recognition and Measurement of Financial Assets and Financial Liabilities. ASU 2016-01 changes how entities measure certain equity investments and present changes in the fair value of financial liabilities measured under the fair value option that are attributable to their own credit. The guidance also changes certain disclosure requirements and other aspects of current U.S. GAAP. ASU 2016-01 is effective for fiscal years and interim periods within those years beginning after December 15, 2017, and certain provisions of the guidance may be early adopted. We are still evaluating the impact ASU 2016-01 will have on the consolidated financial statements and associated disclosures.

In February 2016, the FASB issued ASU 2016-02, "Leases (Topic 842)". This update requires an entity to recognize lease assets and lease liabilities on the balance sheet and to disclose key information about the entity's leasing arrangements. ASU 2016-02 is effective for annual reporting periods, and interim periods therein, beginning after December 15, 2018, with early application permitted. A modified retrospective approach is required. We are currently evaluating the impact of the adoption this standard on the financial statements.

In March 2016, the FASB issued ASU 2016-09, "Compensation - Stock Compensation (Topic 718) Improvements to Employee Share-Based Payment Accounting". This guidance is intended to simplify the employee share-based payment accounting regarding several aspects, including the income tax consequences, classification of awards as either equity or liabilities, and classification on the statement of cash flows. For public business entities, the amendments in this ASU are effective for annual periods beginning after December 15, 2016, and interim periods within those annual periods. Early adoption is permitted for any entity in any interim or annual period. If an entity early adopts the amendments in an interim period, any adjustments should be reflected as of the beginning of the fiscal year that includes that interim period. An entity that elects early adoption must adopt all of the amendments in the same period. We are in the process of evaluating the impact of the standard on the financial statements.

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### Results of Operations

The following table sets forth a summary, for the periods indicated, of our consolidated results of operations and each item expressed as a percentage of our total net revenues. Our historical results presented below are not necessarily indicative of the results that may be expected for any future period.

|  | For the years ended December 31,         |        |              |        |              |        |
|--|--|--------|--------------|--------|--------------|--------|
|  | 2013                                     |        | 2014         |        | 2015         |        |
|  | (in thousands of \$, except percentages) |        |              |        |              |        |
| Net revenues   | \$ 1,654,356                             | 100.0% | \$ 2,960,627 | 100.0% | \$ 3,467,626 | 100.0% |
| Module segment   | 1,483,751                                | 89.7%  | 2,034,626    | 68.7%  | 2,672,689    | 77.1%  |
| Energy development segment   | 322,927                                  | 19.5%  | 1,210,036    | 40.9%  | 947,188      | 27.3%  |
| Electricity generation segment   | 1,327                                    | 0.1%   | 2,863        | 0.1%   | 32,059       | 0.9%   |
| Elimination  | (153,649)                                | (9.3)% | (286,898)    | (9.7)% | (184,310)    | (5.3)% |
| Cost of revenues   | 1,378,661                                | 83.3%  | 2,379,633    | 80.4%  | 2,890,856    | 83.4%  |
| Module segment   | 1,298,949                                | 78.5%  | 1,721,474    | 58.1%  | 2,277,904    | 65.7%  |
| Energy development segment   | 233,159                                  | 14.1%  | 929,741      | 31.4%  | 760,283      | 21.9%  |
| Electricity generation segment   | 564                                      | 0.0%   | 2,020        | 0.1%   | 18,668       | 0.5%   |
| Elimination  | (154,011)                                | (9.3)% | (273,602)    | (9.2)% | (165,999)    | (4.7)% |
| Gross profit   | 275,695                                  | 16.7%  | 580,994      | 19.6%  | 576,770      | 16.6%  |
| Module segment   | 184,802                                  | 11.2%  | 313,152      | 10.6%  | 394,785      | 11.4%  |
| Energy development segment   | 89,768                                   | 5.4%   | 280,295      | 9.5%   | 186,905      | 5.4%   |
| Electricity generation segment   | 763                                      | 0.0%   | 843          | 0.0%   | 13,391       | 0.4%   |
| Elimination  | 362                                      | 0.1%   | (13,296)     | (0.5)% | (18,311)     | (0.6)% |
| Operating expenses:  |  |        |              |        |              |        |
| Selling expenses   | 88,426                                   | 5.3%   | 125,797      | 4.2%   | 149,710      | 4.3%   |
| General and administrative expenses  | 44,768                                   | 2.7%   | 76,826       | 2.6%   | 162,633      | 4.7%   |
| Research and development expenses  | 11,685                                   | 0.7%   | 12,057       | 0.4%   | 17,056       | 0.5%   |
| Total operating expenses   | 144,879                                  | 8.8%   | 214,680      | 7.3%   | 329,399      | 9.5%   |
| Income from operations   | 130,816                                  | 7.9%   | 366,314      | 12.4%  | 247,371      | 7.1%   |
| Other income (expenses)  |  |        |              |        |              |        |
| Interest expense   | (46,244)                                 | (2.8)% | (48,906)     | (1.7)% | (54,148)     | (1.6)% |
| Interest income  | 11,973                                   | 0.7%   | 14,363       | 0.5%   | 16,831       | 0.5%   |
| Gain (loss) on change in fair value of derivatives                                   | 10,764                                   | 0.7%   | 19,656       | 0.7%   | (12,196)     | (0.4)% |
| Investment income  |  | %      |              | %      | 2,342        | 0.1%   |
| Foreign exchange gain (loss)   | (51,469)                                 | (3.1)% | (32,219)     | (1.1)% | 22,882       | 0.7%   |
| Others   | 428                                      | 0.03%  | 1,623        | 0.1%   | 389          | 0.0%   |
| Income before income taxes and equity in earnings (loss) of unconsolidated investees | 56,268                                   | 3.4%   | 320,831      | 10.9%  | 223,471      | 6.4%   |
| Income tax expense   | (7,639)                                  | (0.5)% | (77,431)     | (2.6)% | (49,512)     | (1.4)% |
| Equity in earnings (loss) of unconsolidated investees                                | (3,064)                                  | (0.2)% | 487          | 0.0%   | (643)        | 0.0%   |
| Net income   | 45,565                                   | 2.8%   | 243,887      | 8.2%   | 173,316      | 5.0%   |
| Less: Net income attributable to non-controlling interests                           | 13,906                                   | 0.8%   | 4,385        | 0.1%   | 1,455        | 0.0%   |
| Net income attributable to Canadian Solar Inc.                                       | 31,659                                   | 1.9%   | 239,502      | 8.1%   | 171,861      | 5.0%   |

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***Year Ended December 31, 2015 Compared to Year Ended December 31, 2014***

***Net Revenues.*** Our total net revenues increased by \$507.0 million, or 17.1%, from \$2,960.6 million for the year ended December 31, 2014 to \$3,467.6 million for the year ended December 31, 2015. The increase was primarily due to higher shipments from our module segment from 2,436 MW for the year ended December 31, 2014 to 4,085 MW for the year ended December 31, 2015, partially offset by a decrease in the average selling price of our solar modules and a decrease in revenue contribution from sales of solar power projects. In the year ended December 31, 2015, Europe and others accounted for 9.6% of our net revenues, while the Americas contributed 50.5% and Asia contributed 39.9%. Our top five customers by revenues collectively accounted for 26.8% of our net revenues in the year ended December 31, 2015.

***Solar Modules.*** Revenues generated from our module segment increased by \$638.1 million, or 31.4%, from \$2,034.6 million for the year ended December 31, 2014 to \$2,672.7 million for year ended December 31, 2015. The increase was primarily due to an increase of \$1,111.4 million attributable to the 72.5% increase in shipments of our solar modules, partially offset by a decrease of \$341.9 million attributable to the 12.9% decline in average selling price of our solar modules.

Our total solar module shipments were 4,384 MW for the year ended December 31, 2015, an increase of 55.9% from 2,813 MW for the year ended December 31, 2014. Shipments to non-European markets increased by 1,391.0 MW from 2,453.9 MW for the year ended December 31, 2014 to 3,844.9 MW for the year ended December 31, 2015, primarily to customers in India and China. Shipments to European markets increased by 180.2 MW from 358.7 MW for the year ended December 31, 2014 to 538.9 MW for the year ended December 31, 2015.

The average selling price of our solar modules declined from \$0.67 for the year ended December 31, 2014 to \$0.58 for the year ended December 31, 2015. The decline was primarily due to the supply of solar products exceeding demand, change in the geographic mix of revenues and the depreciation of the Canadian dollar, Euro, Japanese yen and Renminbi against the US dollar.

***Energy Development.*** Revenues generated from our solar project segment decreased by \$262.8 million, or 21.7%, from \$1,210.0 million for the year ended December 31, 2014 to \$947.2 million for the year ended December 31, 2015. This decrease was primarily due to a decrease in sales of solar power projects of \$333.9 million, though partially offset by a \$69.7 million increase in revenue from project development services.

***Electricity Generation.*** Revenues generated from our electricity generation segment increased by \$29.2 million, or 1,019.8%, from \$2.9 million for the year ended December 31, 2014 to \$32.1 million for the year ended December 31, 2015. This increase was primarily due to an increase in the number of solar power plants which we own and operate.

***Cost of Revenues.*** Our total cost of revenues increased by \$511.2 million, or 21.5%, from \$2,379.6 million for the year ended December 31, 2014 to \$2,890.9 million for the year ended December 31, 2015. The increase was primarily due to increased shipments from our module segment, growth of our electricity generation segment, partially offset by lower manufacturing costs of solar modules and a decrease in sales of solar power projects. Total cost of revenues as a percentage of total net revenues slightly increased from 80.4% for the year ended December 31, 2014 to 83.4% for the year ended December 31, 2015.

***Solar Modules.*** Cost of revenues incurred by our module segment increased by \$556.4 million, or 32.3%, from \$1,721.5 million for the year ended December 31, 2014 to \$2,277.9 million for the year ended December 31, 2015. This increase was primarily due to increased shipments from our

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module segment, partially offset by lower solar module manufacturing costs. Our total manufacturing costs in China, including purchased polysilicon, wafers and cells was \$0.40 per watt in December 2015.

In addition, in the year ended December 31, 2015, approximately \$111.9 million of cash deposits we made relating to countervailing and anti-dumping rulings in the U.S. were charged to our cost of revenues.

Energy Development. Cost of revenues incurred by our solar project segment decreased by \$169.5 million, or 18.2%, from \$929.7 million for the year ended December 31, 2014 to \$760.3 million for the year ended December 31, 2015. This decrease was primarily due to fewer projects sold, though partially offset by an increase in revenue from project development services.

Electricity Generation. Cost of revenues incurred by our electricity generation segment increased by \$16.6 million, or 824.2%, from \$2.0 million for the year ended December 31, 2014 to \$18.7 million for the year ended December 31, 2015. This increase was in line with the increase in revenue generated from our electricity generation segment.

Gross Profit. As a result of the foregoing, our total gross profit decreased by \$4.2 million, or 0.7%, from \$581.0 million for the year ended December 31, 2014 to \$576.8 million for the year ended December 31, 2015. Our total gross margin decreased from 19.6% for the year ended December 31, 2014 to 16.6% for the year ended December 31, 2015.

Solar Modules. Gross profit for our module segment increased by \$81.6 million, or 26.1%, from \$313.2 million for the year ended December 31, 2014 to \$394.8 million for the year ended December 31, 2015, primarily due to increased solar module shipments and continued decrease in our solar module manufacturing costs, partially offset by the decrease in the average selling price of our solar modules as well as charges relating to the countervailing and anti-dumping rulings. Gross margin decreased from 15.4% for the year ended December 31, 2014 to 14.8% for the year ended December 31, 2015, primarily due to a decrease in the average selling price of our solar modules, though partially offset by a decrease in our solar module manufacturing costs.

Energy Development. Gross profit for our solar project segment decreased by \$93.4 million, or 33.3%, from \$280.3 million for the year ended December 31, 2014 to \$186.9 million for the year ended December 31, 2015, primarily due to the decrease in sales of solar power projects. Gross margin decreased from 23.2% for the year ended December 31, 2014 to 19.7% for the year ended December 31, 2015, primarily attributable to lower margins from the sales of solar power projects.

Electricity Generation. Gross profit for our energy generation segment increased by \$12.5 million, or 1,488.5%, from \$0.8 million for the year ended December 31, 2014 to \$13.4 million for the year ended December 31, 2015, primarily due to the increased number of solar power plants which we own and operate. Gross margin increased from 29.4% for the year ended December 31, 2014 to 41.8% for the year ended December 31, 2015, primarily due to higher margins generated from our solar power projects in North America and Europe.

Operating Expenses. Our operating expenses increased by \$114.7 million, or 53.4%, from \$214.7 million for the year ended December 31, 2014 to \$329.4 million for the year ended December 31, 2015. Operating expenses as a percentage of our total net revenues increased from 7.3% for the year ended December 31, 2014 to 9.5% for the year ended December 31, 2015.

Selling Expenses. Our selling expenses increased by \$23.9 million, or 19.0%, from \$125.8 million for the year ended December 31, 2014 to \$149.7 million for the year ended December 31, 2015. The increase was primarily due to a \$17.3 million increase in shipping and handling expenses and a

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\$8.7 million increase in external sales commissions. Selling expenses as a percentage of our net total revenues slightly increased from 4.2% for the year ended December 31, 2014 to 4.3% for the year ended December 31, 2015.

*General and Administrative Expenses.* Our general and administrative expenses increased by \$85.8 million, or 111.7%, from \$76.8 million for the year ended December 31, 2014 to \$162.6 million for the year ended December 31, 2015. The increase was primarily due to (a) the consolidation of Recurrent's general and administrative expenses of \$29.5 million, (b) a \$20.8 million charge related to the LDK arbitration case, (c) a 5.4 million increase in impairment for property, plant and equipment and (d) a \$12.2 million increase in bad debt expenses. General and administrative expenses as a percentage of our total net revenues increased from 2.6% for the year ended December 31, 2014 to 4.7% for the year ended December 31, 2015.

*Research and Development Expenses.* Our research and development expenses increased by \$5.0 million, or 41.5%, from \$12.1 million for the year ended December 31, 2014 to \$17.1 million for the year ended December 31, 2015. Research and development expenses as a percentage of our total net revenues were 0.4% for the year ended December 31, 2014 and 0.5% for the year ended December 31, 2015.

*Interest Expense, Net.* Our interest expense, net, increased by \$2.8 million, or 8.0%, from \$34.5 million for the year ended December 31, 2014 to \$37.3 million for the year ended December 31, 2015. Interest expense increased by \$5.2 million, or 10.7%, from \$48.9 million for the year ended December 31, 2014 to \$54.1 million for the year ended December 31, 2015. Interest income increased by \$2.5 million, or 17.2%, from \$14.4 million for the year ended December 31, 2014 to \$16.8 million for the year ended December 31, 2015.

*Gain/(Loss) On Change in Fair value of Derivatives.* We recorded a loss of \$12.2 million on change in fair value of derivatives for the year ended December 31, 2015, compared to a gain of \$19.7 million for the year ended December 31, 2014. The loss on change in fair value of derivatives for the year ended December 31, 2015 were primarily due to a \$8.9 million loss on change in fair value of warrants and a \$3.7 million loss on change in fair value of foreign currency derivatives. The warrants were issued in conjunction with the \$180 million financing arranged by Credit Suisse in the fourth quarter of 2015. These warrants can be settled in cash at the discretion of the holder and as a result they are liability derivatives that were recorded at fair value at issuance and subsequently marked to market at the end of each reporting period. The loss on change in fair value of foreign currency derivatives for the year ended December 31, 2015 was attributable to loss on foreign currency forward contracts that we purchased to hedge part of the impact of changes in exchange rates of foreign currencies, mainly the Canadian dollar, Renminbi and Japanese yen.

*Foreign Exchange Gain/(Loss).* We recorded a foreign exchange gain of \$22.9 million for the year ended December 31, 2015, compared to a loss of \$32.2 million for the year ended December 31, 2014. The gain for the year ended December 31, 2015 was primarily due to the depreciation of the Renminbi and Canadian dollar against the U.S. dollar.

*Income Tax Expense.* We recorded an income tax expense of \$49.5 million for the year ended December 31, 2015, compared to \$77.4 million for the year ended December 31, 2014. The decrease in income tax provision in 2015 was primarily due to our lower profit before income tax.

*Equity in Earnings/(Loss) of Unconsolidated Investees.* Our share of the earnings of unconsolidated investees was net loss of \$0.6 million for the year ended December 31, 2015, compared to net earnings of \$0.5 million for the year ended December 31, 2014.

*Net Income Attributable to Non-Controlling Interest.* The net income attributable to non-controlling interest is the share of net income attributable to the interests of non-controlling shareholders in

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certain of our subsidiaries in Canada, China, Germany, Japan and the U.S. In many cases, we acquire or establish project companies in which third parties hold minority equity interests, which are reported as non-controlling interests in our consolidated financial statements. When the projects are sold to third parties, we allocate the percentage attributable to non-controlling interests accordingly. No net income was generated in connection with the sale of project assets which was attributable to non-controlling interests for the year ended December 31, 2015.

*Net Income Attributable to Canadian Solar Inc.* As a result of the foregoing, we recorded net income of \$171.9 million for the year ended December 31, 2015, which was a decrease of \$67.6 million, or 28.2%, compared to our net income of \$239.5 million for the year ended December 31, 2014.

### *Year Ended December 31, 2014 Compared to Year Ended December 31, 2013*

*Net Revenues.* Our total net revenues increased by \$1,306.3 million, or 79.0%, from \$1,654.4 million for the year ended December 31, 2013 to \$2,960.6 million for the year ended December 31, 2014. The increase was primarily due to an increase in revenue contribution from our energy development and electricity generation segment, combined with higher shipments from our module segment from 1,809 MW in 2013 to 2,436 MW in 2014.

*Solar Modules.* Revenues generated from our module segment increased by \$550.9 million, or 37.1%, from \$1,483.8 million in 2013 to \$2,034.6 million in 2014. The increase was primarily due to an increase of \$404.5 million attributed to the 35.9% increase of shipments of our solar modules.

Our total solar module shipments were 2,813 MW in 2014, an increase of 48.5% from 1,894 MW in 2013. Shipments to non-European markets increased by 848.7 MW from 1,605.2 MW in 2013 to 2,453.9 MW in 2014, primarily to customers in the U.S. and Japan. Shipments to European markets increased by 69.7 MW from 289.0 MW in 2013 to 358.7 MW in 2014.

The average selling price of our solar modules in 2014 was \$0.67, the same as in 2013.

*Energy Development.* Revenues generated from our energy development segment increased by \$887.1 million, or 274.7%, from \$322.9 million in 2013 to \$1,210.0 million in 2014. The increase was primarily due to increases in revenue from both sales of solar power projects and EPC services.

*Electricity Generation.* Revenues generated from our electricity generation segment increased by \$ 1.5 million, or 115.7%, from \$1.3 million for the year ended December 31, 2013 to \$2.9 million for the year ended December 31, 2014. This increase was primarily due to an increase in the number of projects in operation.

*Cost of Revenues.* Our cost of revenues increased by \$1,001.0 million, or 72.6%, from \$1,378.7 million in 2013 to \$2,379.6 million in 2014. The increase was primarily due to further growth of our energy development and electricity generation segments and increased shipments from our module segment. Cost of revenues as a percentage of total net revenues decreased from 83.3% in 2013 to 80.4%.

*Solar Modules.* Cost of revenues incurred by our module segment increased by \$422.5 million, or 32.5%, from \$1,298.9 million for the year ended December 31, 2013 to \$1,721.5 million for the year ended December 31, 2014. This increase was primarily due to increased shipments from our module segment, partially offset by lower solar module manufacturing costs. Our total manufacturing costs in China, including purchased polysilicon, wafers and cells was \$0.48 per watt for the year ended December 31, 2014.

*Energy Development.* Cost of revenues incurred by our solar project segment increased by \$696.6 million, or 298.8%, from \$233.2 million for the year ended December 31, 2013 to

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\$929.7 million for the year ended December 31, 2014. The increase was in line with the increase in revenue generated from our energy development segment.

Electricity Generation. Cost of revenues incurred by our electricity generation segment increased by \$1.5 million, or 258.2%, from \$0.6 million for the year ended December 31, 2013 to \$2.0 million for the year ended December 31, 2014. This increase was in line with increase in revenue generated from our electricity generation segment.

Gross Profit. As a result of the foregoing, our gross profit increased by \$305.3 million, or 110.7%, from \$275.7 million in 2013 to \$581.0 million in 2014. Our gross profit margin increased from 16.7% in 2013 to 19.6% in 2014, primarily due to the increased contribution of our higher margin energy development and electricity generation segments, increased shipments from our module segment and continued decrease in our solar module manufacturing costs, partially offset by cash deposits of approximately \$36.0 million related to countervailing and anti-dumping rulings in the U.S that were charged to our cost of revenues. See "Item 8. Financial Information A. Consolidated Statements and Other Financial Information Legal and Administrative Proceedings."

Solar Modules. Gross profit for our module segment increased by \$128.4 million, or 69.5%, from \$184.8 million for the year ended December 31, 2013 to \$313.2 million for the year ended December 31, 2014, primarily due to increased shipments from our module segment and continued decrease in our solar module manufacturing costs, partially offset by the charges relating to the countervailing and anti-dumping rulings. Gross margin increased from 12.5% for the year ended December 31, 2013 to 15.4% for the year ended December 31, 2014, primarily due to continued decreases in our solar module manufacturing costs.

Energy Development. Gross profit for our solar project segment increased by \$190.5 million, or 212.2%, from \$89.8 million for the year ended December 31, 2013 to \$280.3 million for the year ended December 31, 2014, primarily due to increased sales of solar power projects and provision of EPC services. Gross margin decreased from 27.8% for the year ended December 31, 2013 to 23.2% for the year ended December 31, 2014, primarily due to lower margins from the sales of solar power projects.

Electricity Generation. Gross profit for our energy generation segment increased by \$0.1 million, or 10.5%, from \$0.8 million for the year ended December 31, 2013 to \$0.8 million for the year ended December 31, 2014, primarily due to the increased number of solar power projects we own and operate. Gross margin decreased from 57.5% for the year ended December 31, 2013 to 29.4% for the year ended December 31, 2014, primarily due to lower margins generated from our operating solar power projects in China.

Operating Expenses. Our operating expenses increased by \$69.8 million, or 48.2%, from \$144.9 million in 2013 to \$214.7 million in 2014. Operating expenses as a percentage of our total net revenues decreased from 8.8% in 2013 to 7.3% in 2014.

Selling Expenses. Our selling expenses increased by \$37.4 million, or 42.3%, from \$88.4 million in 2013 to \$125.8 million in 2014. The increase was primarily due to \$21.7 million increase in shipping and handling costs, \$10.3 million increase in salary and bonus and \$3.4 million increase in storage charges. Selling expenses as a percentage of our net total revenues decreased from 5.3% in 2013 to 4.2% in 2014.

General and Administrative Expenses. Our general and administrative expenses increased by \$32.1 million, or 71.6%, from \$44.8 million in 2013 to \$76.8 million in 2014. The increase was primarily due to \$31.5 million reversal in 2013 of provision for the unfavorable arbitration award related to LDK, \$8.3 million increase in salary and bonus and \$4.4 million increase in professional service fee, partially



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offset by \$8.5 million reversal of bad debt allowance. General and administrative expenses as a percentage of our total net revenues decreased from 2.7% in 2013 to 2.6% in 2014.

*Research and Development Expenses.* Our research and development expenses increased by \$0.4 million, or 3.2%, from \$11.7 million in 2013 to \$12.1 million in 2014. Research and development expenses as a percentage of our total net revenues were 0.7% in 2013 and 0.4% in 2014.

*Interest Expense, Net.* Our interest expense, net, increased by \$0.3 million, or 0.8%, from \$34.3 million in 2013 to \$34.5 million in 2014. Interest expense increased by \$2.7 million, or 5.8%, from \$46.2 million in 2013 to \$48.9 million in 2014. The increase was primarily due to interest expenses related to the convertible senior notes of \$150 million issued in February 2014. Interest income increased by \$2.4 million, or 20.0%, from \$12.0 million in 2013 to \$14.4 million.

*Gain/(Loss) On Change in Fair Value of Derivatives.* We recorded a gain of \$19.7 million on change in fair value of derivatives in 2014, compared to a gain of \$10.8 million in 2013. The gain in 2014 was attributable to gains on foreign currency forward contracts that we purchased to mitigate the impact of changes in exchange rates of foreign currencies, mainly Japanese yen, Euro, Canadian dollar and Renminbi.

*Foreign Exchange Loss.* We recorded a foreign exchange loss of \$32.2 million in 2014, compared to a loss of \$51.5 million in 2013. The loss in 2014 was primarily attributable to the depreciation of Renminbi, Japanese yen and Canadian dollar against the U.S. dollar.

*Income Tax Expense.* Our income tax expense was \$77.4 million in 2014, compared to an expense of \$7.6 million in 2013. The increase in income tax provision in 2014 was primarily due to our higher profit before income tax.

*Equity in Earnings (Loss) of Unconsolidated Investees.* Our share of the earnings of unconsolidated investees was net earnings of \$0.5 million in 2014, compared to a net loss of \$3.1 million in 2013.

*Net Income Attributable to Non-Controlling Interest.* The net income attributable to non-controlling interest is the share of net income attributable to the interests of non-controlling shareholders in certain of our subsidiaries in Canada, China, Germany, Japan and the U.S. In many cases, we acquire or establish project companies in which third parties hold minority equity interests, which are reported as non-controlling interests in our consolidated financial statements. When the projects are sold to third parties, we allocate the percentage attributable to non-controlling interests accordingly. The amounts of net income generated in connection with the sale of project assets which was attributable to non-controlling interests was \$4.4 million in 2014 and \$13.9 million in 2013.

*Net Income (Loss) Attributable to Canadian Solar Inc.* As a result of the foregoing, we recorded net income of \$239.5 million in 2014, which was a \$207.8 million, or 656.5%, increase over our net income of \$31.7 million in 2013.

**B. Liquidity and Capital Resources**

***Cash Flows and Working Capital***

We are generally required to make prepayments to suppliers of silicon raw materials. Even though we require some customers to make partial prepayments, there is typically a lag between the time we make our prepayments for silicon raw materials and the time our customers make their prepayments.

Our energy development and electricity generation segments required increased funding and use of working capital in 2015 and are expected to continue to require significant funding and use of working capital in the future. The time cycles of our solar power project development and operation can vary substantially and take many years. As a result, we may need to make significant up-front investments of

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resources before the collection of any cash from the sale or operation of these projects. These investments include payment of interconnection and other deposits, posting of letters of credit, and incurring engineering, permitting, legal and other expenses. In addition, we may have to use our existing bank facilities to finance the construction of these solar power projects. Depending on the size and number of solar power projects that we are developing and self-financing, our liquidity requirements could be significant. Delays in constructing or completing the sale of any of our solar power projects which we are self-financing could also impact our liquidity.

In 2015, we financed our operations primarily through cash flows from operations, short-term and long-term borrowings and proceeds from offerings of common shares. As of December 31, 2015, we had \$553.1 million in cash and cash equivalents. Our cash and cash equivalents consist primarily of cash on hand, bank balances and demand deposits, which are unrestricted as to withdrawal and use, and have original maturities of three months or less.

As of March 31, 2016, we had contractual credit lines with an aggregate limit of approximately \$2,905.9 million, of which \$1,035.6 million had been drawn down with due dates beyond December 31, 2016 and \$1,012.7 million had been drawn down with due dates before December 31, 2016. In addition, we had non-binding credit lines of approximately \$527.1 million, of which \$347.9 million had been drawn down with due dates before December 31, 2016, \$60.0 million had been drawn down with due dates beyond December 31, 2016 and \$119.2 million was subject to the lenders' discretion upon request for additional draw downs. Non-binding credit lines represent non-legally binding facility limits granted by lenders, which can be changed unilaterally by the lenders.

As of March 31, 2016, we had approximately \$818.2 million of long-term borrowings (non-current portion), of which \$769.1 million was secured by equity, current assets, project assets and property, plant and equipment, and \$128.7 million of long-term borrowings (current portion), of which \$117.1 million was secured by equity, property, plant and equipment and project assets. As of March 31, 2016, we had approximately \$1,138.1 million of short-term borrowings, of which \$846.8 million was secured by restricted cash, inventory, land use rights, equity, project assets and property, plant and equipment. The long-term borrowings (non-current portion) will mature during the period from the second quarter of 2017 to the first quarter of 2036 and bear interests ranging from nil to 9.11% per annum. The long-term borrowings (current portion) and the short-term borrowings will mature during 2016 through the first quarter of 2017 and bear interests ranging from nil to 13.0% per annum. Our bank lines contain no specific extension terms but, historically, we have been able to obtain new short-term borrowings with similar terms shortly before they mature.

On May 20, 2013, we entered into a RMB270 million loan agreement with China Development Bank. The loan facility has a fifteen-year maturity, including a grace period of one year and was used to finance the construction of a 30 MW solar power project and its ancillary facility in the western part of China, which was completed in December 2013.

On December 4, 2013, we entered into a \$40 million loan agreement with Harvest North Star Capital, which was amended and restated in November 2014 and in September 2015. The loan facility is used to finance the development of several ground-mounted solar power projects totaling approximately 153.2 MW DC in Japan.

In February 2014, we completed an offering of our common shares and convertible senior notes. Pursuant to the offering, we sold 3,194,700 common shares at a price of \$36.00 per share and \$150 million aggregate principal amount of 4.25% convertible senior notes. We received aggregate net proceeds of approximately \$255.7 million from these offerings, after deducting discounts and commissions, but before offering expenses. The proceeds were used for general corporate purposes, including expanding manufacturing capacity, the development of solar power projects and working capital. In January 2016, we bought back \$15 million convertible senior notes at weighted average price of \$85.13 per \$100 par value.

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In May 2015, we signed a \$210.0 million three-year term loan agreement and a \$40.0 million one-year letter of credit facility agreement with China Minsheng Bank. This loan facility was primarily used to finance the acquisition of Recurrent and the construction of the utility-scale solar projects in the United States.

In May 2015, we closed a £35.0 million (\$51.7 million) project financing facility with Investec Bank plc for a portfolio of four operating solar power plants with installed capacities totaling 40.2 MW in the United Kingdom.

In June 2015, we signed a credit agreement pursuant to which Deutsche Bank AG, Canada Branch agreed to provide C\$71.6 million (\$51.8 million) of non-recourse, short-term construction financing for the construction of two solar power plants with a capacity of 10 MW AC each in Ontario, Canada. The two power plants commenced commercial operation in the second half of 2015.

In September 2015, we closed on a debt facility with Santander Bank, N.A., or Santander Bank, and a tax equity investment commitment with U.S. Bancorp Community Development Corporation, or USBCDC, securing financing for the 100 MW Mustang solar power project in California, United States. Under the agreement, Santander Bank provided \$165.0 million in construction lending, a tax equity bridge loan and a term loan option for the Mustang project, which commenced construction in 2015 and is expected to be completed in the third quarter of 2016.

In September 2015, we closed on a combined construction and term debt facility, with a syndicate of six banks, including Rabobank, Santander Bank, KeyBanc, CIT Bank and CIBC, which provided project-level construction debt, letter of credit facilities and a bank-leveraged term facility, totaling \$337.0 million, for the 200 MW Tranquility solar power project in California, United States. The Tranquility project commenced construction in 2015 and is expected to be completed in the third quarter of 2016.

In October 2015, we signed a loan agreement for a \$100.0 million two-year senior secured term loan arranged by Credit Suisse. In December 2015, we raised the second and final tranche of \$80 million for this term loan, bringing the total loan amount to \$180.0 million. The term loan was used for general corporate purposes. In connection with this term loan, we issued Credit Suisse warrants to purchase up to approximately 2.3 million of our common shares at an exercise price ranging from \$24.48 to \$28.08 per share with a term of two years.

In November 2015, we secured a construction loan of \$115.0 million with a consortium of banks and a tax equity investment commitment with U.S. Bancorp Community Development Corporation, to finance the 60 MW AC Barren Ridge project under construction in California, United States and expect to be completed in 2016.

In November 2015, we closed on a tax equity investment commitment with GE Energy Financial Services, for the 100 MW Astoria 1 solar power project in California, United States. Santander Bank was the coordinating lead arranger of a five-member bank club, including NORB/LB, Rabobank, Key Bank and CIT Bank, which provided project-level construction debt, a letter of credit facility and a back-leveraged term loan facility, totaling approximately \$260.0 million. The Astoria 1 project commenced construction in 2015 and is expected to be completed in 2016.

In November 2015, we closed on a combined construction and term debt facility, with a syndicate of five banks, including Key Bank, Rabobank, Santander Bank, NORB/LB and CIT Bank, totaling approximately \$275.0 million, for the 157.5 MW AC Roserock solar power project in Texas, United States, which commenced construction in 2015 and is expected to be completed in the fourth quarter of 2016.

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In December 2015, we closed on a combined construction and term debt facility, with a syndicate of five banks, including NORD/LB, CIT Bank, Key Bank, Rabobank and Santander Bank, which provided project-level construction debt, letter of credit facilities and a bank-leveraged term facility, totaling approximately \$480.0 million, for the 200 MW AC Garland solar power project in California, United States. The Garland project commenced construction in 2015 and is expected to be completed in 2016.

In December 2015, we signed a financing agreement pursuant to which Deutsche Bank AG, Tokyo Branch, agreed to provide a JPY12.0 billion (\$99.8 million) senior non-recourse project finance credit facility for the construction of our 48MWp Kumamoto Mashiki solar power plant in Japan.

In January 2016, we closed on a tax equity investment commitment with GE Energy Financial Services, for the 75 MW Astoria 2 solar power project in California, United States. Santander Bank was the coordinating lead arranger of a five-member bank club, including NORD/LB, Rabobank, Key Bank and CIT Bank, which provided project-level construction debt, a letter of credit facility and a back-leveraged term loan facility, totaling approximately \$180.0 million. The Astoria 2 project commenced construction in 2015 and is expected to be completed in 2016.

In January 2016, we signed a \$60.0 million loan facility agreement with International Finance Corporation, a member of World Bank Group, or IFC, to fund the construction of our solar cell and module production facilities in Vietnam and other countries approved by IFC. The loan facility will expire in June 2020. On the same day, we signed a subscription agreement with IFC pursuant to which IFC agreed to subscribe for 529,661 of our common shares at \$18.88 per share. The subscription was completed in February 2016 and the proceeds of approximately \$10.0 million will be used for the construction, operation and general corporate purpose of our solar cell and module production facilities in countries approved by IFC.

In February 2016, we secured a credit facility with Ping An Bank, pursuant to which Ping An Bank agreed to provide up to \$300 million to Recurrent for its solar power project development, construction and operation activities. The credit facility has a three-year maturity.

In February 2016, we entered into a financing agreement, pursuant to which Goldman Sachs Japan Co., Ltd. agreed to arrange a JPY3.0 billion (\$24.9 million) project finance bond with a maturity of 20 years and a fixed coupon rate of 1.4% for the construction of the 10.2 MWp Aomori-Misawa solar power project in Japan, which is expected to be completed in December 2016. The Aomori-Misawa project is our first solar power plant to receive an investment grade rating of "A" from Japan Credit Rating Agency, Ltd.

Although no assurance can be given, we believe that we will be able to fully execute our business plans and to renew substantially all our existing bank borrowings as they become due, if needed. We believe that adequate sources of liquidity will exist to fund our working capital and capital expenditures requirements and to meet our short-term debt obligations and other liabilities and commitments as they become due. As of the date of this annual report, we were in compliance with all material terms of our borrowing agreements.

We expect that our accounts receivable, inventories and project assets, three of the principal components of our current assets, will increase in line with increases in our net revenues. Due to market competition, in many cases, we offer credit terms to our customers ranging from 30 days up to 120 days with small advance payments ranging from 5% to 20% of the sale prices. The prepayments are recorded as current liabilities under advances from customers, and amounted to \$112.0 million as of December 31, 2014 and \$76.2 million as of December 31, 2015. As the market demand for our products has changed and as we have diversified our geographical markets, we have increased and may continue to increase credit term sales to certain creditworthy customers after careful review of their

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credit standings and acceptance of export credit insurance by Sinosure, or other risk mitigation channels such as local credit insurance or factoring.

The following table sets forth a summary of our cash flows for the periods indicated:

|  | As of December 31,   |           |           |
|--|----------------------|-----------|-----------|
|  | 2013                 | 2014      | 2015      |
|  | (in thousands of \$) |           |           |
| Net cash provided by (used in) operating activities    | 229,549              | 265,106   | 413,658   |
| Net cash used in investing activities                  | (37,509)             | (116,049) | (999,104) |
| Net cash provided by (used in) financing activities    | (104,900)            | 191,947   | 619,483   |
| Net increase in cash and cash equivalents              | 86,282               | 321,293   | 3,536     |
| Cash and cash equivalents at the beginning of the year | 141,968              | 228,250   | 549,543   |
| Cash and cash equivalents at the end of the year       | 228,250              | 549,543   | 553,079   |

***Operating Activities***

Net cash provided by operating activities was \$413.7 million in 2015, compared to \$265.1 million in 2014. The change was primarily due to improved working capital management, partially offset by a decrease in net income from \$243.9 million to \$173.3 million.

Net cash provided by operating activities was \$265.1 million in 2014, compared to a net cash provided by operating activities of \$229.5 million in 2013. The change was primarily due to a significant increase in net income from \$45.6 million in 2013 to \$243.9 million in 2014, partially offset by increase in working capital investments.

***Investing Activities***

Net cash used in investing activities was \$999.1 million in 2015, compared to \$116.0 million in 2014. The change was primarily due to an increase in payments of \$551.9 million for construction of our solar power systems, the net payments of \$196.8 million to acquire subsidiaries, as well as an increase in restricted cash mainly used as collateral to secure our bank acceptances and borrowings.

Net cash used in investing activities was \$116.0 million in 2014, compared to \$37.5 million in 2013. The change was primarily due to an increase in payments to acquire property, plant and equipment, an increase in restricted cash used as collateral to secure our bank acceptances and borrowings as well as an increase in loans receivable.

***Financing Activities***

Net cash provided by financing activities was \$619.5 million in 2015, compared to \$191.9 million in 2014. The change was primarily due to a net increase in bank borrowings during 2015.

Net cash provided by financing activities was \$191.9 million in 2014, compared to \$104.9 million used in financing activities in 2013. The change was primarily due to receipt of net proceeds of \$108.9 million and \$144.9 million from our offerings of common shares and convertible notes, respectively, during 2014.

As of December 31, 2015, we had total outstanding credit facilities of \$3,287.8 million, of which \$1,290.1 million was undrawn and available. We believe that our current cash and cash equivalents, anticipated cash flow from operations and existing banking facilities will be sufficient to meet our anticipated cash needs, including our cash needs for working capital and capital expenditures, for the 12 months ending December 31, 2016. We may, however, require additional cash due to changing business conditions or other future developments, including any investments or acquisitions we may decide to pursue.

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As of December 31, 2015, we had outstanding short-term borrowings of \$828.0 million with Chinese banks. Between January 1, 2016 and March 31, 2016, we obtained new borrowings of \$362.0 million from Chinese banks, including \$161.9 million with due dates beyond December 31, 2016. Also, between January 1, 2016 and March 31, 2016, we renewed existing bank facilities of \$146.4 million from Chinese banks with due dates beyond December 31, 2016. The availability of commercial loans from Chinese commercial banks may be affected by administrative policies of the PRC government, which in turn may affect our plans for business expansion. If our existing cash or the availability of commercial bank borrowings is insufficient to meet our requirements, we may seek to sell additional equity securities or debt securities or borrow from other sources. We cannot assure that financing will be available in the amounts we need or on terms acceptable to us, if at all. The issuance of additional equity securities, including convertible debt securities, would dilute the holdings of our shareholders. The incurrence of debt would divert cash for working capital and capital expenditures to service debt obligations and could result in operating and financial covenants that restrict our operations and our ability to pay dividends to our shareholders. If we are unable to obtain additional equity or debt financing as required, our business operations and prospects may suffer.

***Capital Expenditures***

We made capital expenditures of \$23.1 million, \$65.1 million and \$642.8 million in 2013, 2014 and 2015, respectively. Our capital expenditures were primarily to maintain and increase our ingot, wafer, cell and module manufacturing capacity and to develop solar power systems to generate electricity revenue. As of December 31, 2015, our commitments for the purchase of property, plant and equipment and solar power systems were \$61.9 million and \$473.1 million, respectively.

***Restricted Net Assets***

Our PRC subsidiaries are required under PRC laws and regulations to make appropriations from net income as determined under accounting principles generally accepted in the PRC, or PRC GAAP, to non-distributable reserves, which include a general reserve, staff welfare and bonus reserve. The general reserve is required to be made at not less than 10% of the profit after tax as determined under PRC GAAP. The board of directors of our PRC subsidiaries determines the staff welfare and bonus reserve. The general reserve is used to offset future extraordinary losses. Our PRC subsidiaries may, upon a resolution of their board of directors, convert the general reserve into capital. The staff welfare and bonus reserve is used for the collective welfare of the employees of the PRC subsidiaries. These reserves represent appropriations of the retained earnings determined under PRC law. In addition to the general reserve, our PRC subsidiaries are required to obtain approval from the local government authorities prior to decreasing and distributing any registered share capital to their shareholders. Accordingly, both the appropriations to general reserve and the registered share capital of our PRC subsidiaries are considered as restricted net assets. These restricted net assets amounted to \$365.0 million, \$393.5 million and \$396.3 million as of December 31, 2013, 2014 and 2015, respectively.

Our operations in China are subject to certain restrictions on the transfer and use of cash within our company. Transfers of cash between our PRC subsidiaries and the Canadian parent company are restricted to normal trade business payments and any further capital contribution from the Canadian parent company may only be made under China's existing foreign currency regulations. Foreign exchange transactions by our PRC subsidiaries under most capital accounts continue to be subject to significant foreign exchange controls and require the approval of or registration with PRC governmental authorities. In particular, if we finance our PRC subsidiaries by means of additional capital contributions, certain government authorities, including the Ministry of Commerce or its local counterparts, must approve these capital contributions. These limitations could affect the ability of our Chinese subsidiaries to obtain foreign exchange through equity financing.

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As of December 31, 2015, \$197.6 million of undistributed earnings in our PRC subsidiaries are considered to be indefinitely reinvested so that no provision of withholding taxes has been provided in our consolidated financial statements. Our PRC subsidiaries are required to make appropriations of at least 10% of net income, as determined under accounting principles generally accepted in the PRC, to a non-distributable general reserve. After making this appropriation, the balance of the \$197.6 million of undistributed earnings is distributable. Should our PRC subsidiaries subsequently distribute the distributable earnings, they are subject to applicable withholding taxes to the PRC State Administration of Tax.

**C. Research and Development**

We have two research and development centers with state-of-the-art equipment – the Center for Solar Cell Research and the Center for Photovoltaic Testing and Reliability Analysis. The Center for Solar Cell Research is focused on developing new high efficiency solar cells and advanced solar cell processing technologies. The Center for Photovoltaic Testing and Reliability Analysis has been accredited and running according to ISO/IEC17025 standard since 2009 and is focused on solar module and module components reliability testing and qualification, and solar module performance analysis. The Center for Photovoltaic Testing and Reliability Analysis actively participates in and contributes to IEC standard development on solar modules, such as IEC 62804 test method on PID and has been qualified by VDE, CSA, Intertek and TUV Rheinland in their Test Data Acceptance Programs.

As of December 31, 2015, we had approximately 202 employees in research, product development and engineering.

Our research and development activities are generally focused on the following areas:

continuously improving solar cell conversion efficiency and developing new structures and technologies for higher efficiencies;

developing modules with improved design and assembly methods to have higher power output;

improving manufacturing yield and reliability of solar modules and reducing manufacturing costs;

developing smart modules integrated with optimizer or micro-inverters;

testing, data tracing and analysis for module performance and reliability;

designing and developing customized solar modules and products to meet customer requirements; and

developing new methods and equipment for analysis and quality control of incoming materials (such as polysilicon, wafers, cells and other module components).

Going forward, we will focus on the following research and development initiatives which we believe will enhance our competitiveness:

*High efficiency cells.* We have begun commercializing our in-house developed black silicon technology, Onyx technology, on multi wafers. This self-developed wet chemical texturing is a unique, IP-protected and cost effective technology and will significantly increase solar cell efficiency due to advanced light absorption and surface passivation. We also have developed PERC (passivated emitter and rear cell) technology in order to further increase cell efficiency. Mass production of PERC commenced in our Yancheng facility in March 2016. We also have very focused research and development initiatives on N-type bifacial cell, heterojunction cell, IBC cell and other high efficiency cell designs. With these advanced technologies, we can significantly lower the LCOE (levelized cost of energy) on the system level and improve our products' market competitiveness.





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*Solar module manufacturing technologies.* Since the opening of our Center for Photovoltaic Testing and Reliability Analysis, we have focused on developing state-of-the-art testing and diagnostic techniques that improve solar module production yield, efficiency and reliability. We are among the first to begin mass production of four bus-bars cells and modules. We will extend our product competitiveness by introducing to volume production of our 5 bus-bar cell and modules (Quintech Modules) with higher module wattage in the second quarter of 2016. We have developed new technology for PID-resistant modules, which have received certification by the TUV SUD and the VDE testing and certification institutes. Our black silicon and Quintech module technology has improved the output power. We also started mass production of double-glass modules that are market-leading in yield, cell-to-module power loss and cost.

*Power system integration and solar application products.* We began to explore power system integration products and expanded our research and development efforts in solar application products and commercial sales of such products started in 2015.

*Solar power system development, energy storage system, off-grid power system, micro grid system and smart grid system.* As we continue to move into the downstream energy development and electricity generation segments, we hired additional engineering staff and increased investment in these areas in 2015.

**D. Trend Information**

Other than as disclosed elsewhere in this annual report on Form 20-F, we are not aware of any trends, uncertainties, demands, commitments or events that are reasonably likely to have a material adverse effect on our net revenues, income, profitability, liquidity or capital resources, or that caused the disclosed financial information to be not necessarily indicative of future operating results or financial conditions.

**E. Off Balance Sheet Arrangements**

We have not entered into any derivative contracts that are indexed to our shares and classified as shareholder's equity, or that are not reflected in our consolidated financial statements. Furthermore, we do not have any retained or contingent interest in assets transferred to an unconsolidated entity that serves as credit, liquidity or market risk support to such entity. We do not have any variable interest in any unconsolidated entity that provides financing, liquidity, market risk or credit support to us or that engages in leasing, hedging or research and development services with us.

Table of Contents**F. Tabular Disclosure of Contractual Obligations*****Contractual Obligations and Commercial Commitments***

The following table sets forth our contractual obligations and commercial commitments as of December 31, 2015:

|  | Total     | Payment Due by Period |           |           |                      |
|--|-----------|-----------------------|-----------|-----------|----------------------|
|  |           | Less Than<br>1 Year   | 1-3 Years | 3-5 Years | More Than<br>5 Years |
|  |           | (In thousands of \$)  |           |           |                      |
| Short-term debt obligations                                    | 1,156,576 | 1,156,576             |           |           |                      |
| Interest related to short-term debt obligations <sup>(1)</sup> | 49,964    | 49,964                |           |           |                      |
| Operating lease obligations                                    | 145,666   | 10,163                | 13,018    | 10,412    | 112,073              |
| Capital lease obligations                                      | 29,222    | 10,126                | 19,096    |           |                      |
| Purchase obligations <sup>(2)</sup>                            | 2,015,142 | 941,423               | 1,063,863 | 9,856     |                      |
| Long-term debt obligations                                     | 606,577   |                       | 499,638   | 6,930     | 100,009              |
| Interest related to long-term debt obligations <sup>(3)</sup>  | 28,812    |                       | 23,733    | 329       | 4,750                |
| Total  | 4,031,959 | 2,168,252             | 1,619,348 | 27,527    | 216,832              |

(1) Interest rates range from 1.15% to 6.73% per annum for short-term debt obligations.

(2) Includes commitments to purchase \$61.9 million of production equipment, \$473.1 million solar power systems and \$1,480.1 million of raw materials.

(3) Interest rates range from 0% to 13% per annum for long-term debt obligations.

The above table excludes uncertain tax liabilities of \$14.5 million, as we are unable to reasonably estimate the timing of future payments due to uncertainties in the timing of the effective settlement of these tax positions. For additional information, see the notes to our consolidated financial statements, included herein.

Other than the contractual obligations and commercial commitments set forth above, we did not have any long-term debt obligations, operating lease obligations, purchase obligations or other long-term liabilities as of December 31, 2015.

**G. Safe Harbor**

This annual report on Form 20-F contains forward-looking statements that relate to future events, including our future operating results, our prospects and our future financial performance and condition, results of operations, business strategy and financial needs, all of which are largely based on our current expectations and projections. These statements are made under the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. You can identify these forward-looking statements by terminology such as "may," "will," "expect," "anticipate," "future," "intend," "plan," "believe," "estimate," "is/are likely to" or similar expressions. Forward-looking statements involve inherent risks and uncertainties. These forward-looking statements include, among other things, statements relating to:

our expectations regarding the worldwide supply and demand for solar power products and the market demand for our products;

our beliefs regarding the importance of environmentally friendly power generation;

our expectations regarding governmental support for solar power;

our beliefs regarding the fluctuation in availability of silicon, solar wafers and solar cells;

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our beliefs regarding our ability to resolve our disputes with suppliers with respect to our long-term supply agreements;

our beliefs regarding the continued growth of the solar power industry;

our beliefs regarding the competitiveness of our solar module products;

our expectations with respect to increased revenue growth and improved profitability;

our expectations regarding the benefits to be derived from our supply chain management and vertical integration manufacturing strategy;

our beliefs and expectations regarding the use of UMG-Si and solar power products made of this material;

our ability to continue developing our in-house solar components production capabilities and our expectations regarding the timing and production capacity of our internal manufacturing programs;

our ability to secure adequate silicon and solar cells to support our solar module production;

our beliefs regarding the effects of environmental regulation;

our beliefs regarding the changing competitive landscape in the solar power industry;

our future business development, results of operations and financial condition;

competition from other manufacturers of solar power products and conventional energy suppliers;

our ability to expand our products and services and to successfully grow our energy development and electricity generation segments;

our ability to develop, build and sell solar power projects in Canada, the U.S., Japan, China, Brazil, the United Kingdom and elsewhere; and

our beliefs with respect to the outcome of the investigations and litigation to which we are a party.

Known and unknown risks, uncertainties and other factors may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by forward-looking statements. See "Item 3. Key Information D. Risk Factors" for a discussion of some risk factors that may affect our business and results of operations. These risks are not exhaustive. Other sections of this annual report may include additional factors that could adversely influence our business and financial performance. Moreover, because we operate in an emerging and evolving industry, new risk factors may emerge from time to time. We cannot predict all risk factors, nor can we assess the impact of these factors on our business or the extent to which any factor, or combination of factors, may cause actual result to differ materially from those expressed or implied in any forward-looking statement. We do not undertake any obligation to update or revise the forward-looking statements except as required under applicable law.



Table of Contents**ITEM 6. DIRECTORS, SENIOR MANAGEMENT AND EMPLOYEES****A. Directors and Senior Management**

The following table sets forth information regarding our directors and executive officers as of the date of this annual report on Form 20-F.

| <b>Name</b>               | <b>Age</b> | <b>Position/Title</b>   |
|---------------------------|------------|---|
| Shawn (Xiaohua) Qu        | 52         | Chairman of the Board, President and Chief Executive Officer                |
| Robert McDermott          | 74         | Lead Independent Director   |
| Lars-Eric Johansson       | 69         | Independent Director  |
| Harry E. Ruda             | 57         | Independent Director  |
| Andrew (Luen Cheung) Wong | 58         | Independent Director  |
| Michael G. Potter         | 49         | Senior Vice President and Chief Financial Officer                           |
| Guangchun Zhang           | 58         | Chief Operations Officer  |
| Yan Zhuang                | 52         | Senior Vice President and Chief Commercial Officer                          |
| Arthur (Jian) Chien       | 55         | Senior Vice President and Chief Strategy Officer, President of Energy Group |
| Huifeng Chang             | 50         | Senior Vice President, Corporate Strategy, Business Development and Finance |
| Jianyi Zhang              | 58         | Senior Vice President and General Counsel                                   |

***Directors***

*Dr. Shawn (Xiaohua) Qu* has served as our chairman, president and chief executive officer since founding our company in October 2001. Through his leadership, we became a public listed company on the Nasdaq in 2006 and have since firmly established ourselves among the top ranked manufacturers of solar PV products globally. Prior to founding Canadian Solar, Dr. Shawn Qu held various positions in product engineering, business development and strategic planning at ATS Automation Tooling Systems, Inc., or ATS, and its solar subsidiary Photowatt International S.A. Prior to ATS, Dr. Shawn Qu was a research scientist at Ontario Power Generation where he worked as a process leader in its solar product commercialization team. In 2011, Dr. Shawn Qu became a visiting professor at Tsinghua University, one of the most prestigious universities in China. Dr. Shawn Qu has published research articles in academic journals including IEEE Quantum Electronics, Applied Physics Letter and Physical Review. He received a Ph.D. in material sciences in 1995 from the University of Toronto, focusing on semiconductor super lattice and optical effects. He also holds a Master of Science in physics from University of Manitoba and a Bachelor of Science in applied physics from Tsinghua University in Beijing.

*Mr. Robert McDermott* has served as lead independent director of our company since August 2006. Mr. McDermott is a corporate director and consultant. Before July 2011, he was a partner with McMillan LLP, a business law firm based in Canada, where he practiced business law, with an emphasis on mergers and acquisitions, securities and corporate finance, and advised boards and special committees of public companies on corporate governance matters. He is now a counsel to the firm. Mr. McDermott was admitted to the Ontario Bar in Canada in 1968. He has a Juris Doctor degree from the University of Toronto in 1966 and a Bachelor of Arts degree from the University of Western Ontario in 1963.

*Mr. Lars-Eric Johansson* has served as an independent director of our company since August 2006. Mr. Johansson has worked in finance and controls positions for more than thirty years in Sweden and Canada. He has been the president and chief executive officer of Ivanhoe Mines Ltd. (formerly Ivanplats Inc. and Ivanhoe Nickel & Platinum Ltd.), a Canadian public mining company since May 1, 2007. From 2004 to 2007, Mr. Johansson was a director and chairperson of the audit committee of

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Harry Winston Diamond Corporation, a specialist diamond company with assets in the mining and retail segments of the diamond industry. From May 2004 to April 2006, he was an executive vice president and the chief financial officer of Kinross Gold Corporation, a gold mining company dually listed on the Toronto Stock Exchange and the New York Stock Exchange. Between June 2002 and November 2003, Mr. Johansson was an executive vice president and chief financial officer of Noranda Inc., a Canadian mining company dually listed on the Toronto Stock Exchange and the New York Stock Exchange. Until May 2004, Mr. Johansson served as a special advisor at Noranda Inc. From 1989 to May 2002, he was the chief financial officer and senior vice president of Falconbridge Limited, a mining and metals company in Canada listed on the Toronto Stock Exchange. He has chaired the audit committee of Golden Star Resources Ltd., a gold mining company dually listed on the Toronto Stock Exchange and American Stock Exchange, from 2006 to 2010. From 2002 to 2003, he was also a director of Novicor Inc., a company formerly listed on the Toronto Stock Exchange. Mr. Johansson holds an MBA, with a major in finance and accounting, from Gothenburg School of Economics in Sweden.

*Dr. Harry E. Ruda* has served as an independent director of our company since July 2011. He is the Director of the Centre for Advanced Nanotechnology, the Stanley Meek Chair in Nanotechnology and Professor of Applied Science and Engineering at the University of Toronto, Canada. From 1982 to 1984, he developed one of the first theories for electron transport in selectively doped two dimensional electron gas heterostructures, while working as an IBM post-doctoral fellow. From 1984 to 1989, he was a senior scientist at 3M Corporation, developing some of the first models for electronic transport and optical properties of wide bandgap II-VI semiconductors. Dr. Ruda joined the faculty of the University of Toronto in 1989 in the Materials Science and Engineering and Electrical and Computer Engineering Departments. His research interests focus on the fabrication and modeling of semiconductor nanostructures with applications in the fields of optoelectronics, energy and sensing. Dr. Ruda was one of the founders of a Canadian National Centre of Excellence in Photonics. He has served on the National Science and Engineering Council of Canada and on other government panels, including those of the Department of Energy, Environmental Protection Agency, National Science Foundation in the U.S. and the Royal Academy of Engineering and Engineering Physical Sciences Research Council in the United Kingdom. Dr. Ruda is a Fellow of the Royal Society of Canada, a Fellow of the Institute of Physics and a Fellow of the Institute of Nanotechnology. He obtained his Ph.D. in semiconductor physics from the Massachusetts Institute of Technology in 1982.

*Mr. Andrew (Luen Cheung) Wong* has served as an independent director of our company since August 2014. Mr. Wong currently serves as the senior advisor to the vice chairman of the board of directors of Henderson Land Development Company Limited. Mr. Wong has served as a director and a member of the audit committee, nomination and remuneration committee of China CITIC Bank Corporation Limited, a company listed on The Stock Exchange of Hong Kong, since 2013. He has also served as a director of Ace Life Insurance Company Ltd. since 2008, and a director and a member of the audit committee and remuneration committee of Shenzhen Yantian Port (Group) Co. Ltd. since 2008. He is also a member of the board of directors of The Tsinghua University Education Foundation (HKSAR) Ltd. Previously, Mr. Wong was the director of Intime Retail (Group) Co. Ltd., a company listed on The Stock Exchange of Hong Kong, between 2013 and 2014, and was the director and a member of audit committee, risk management committee, nomination and remuneration committee of China Minseng Bank, a company listed on The Stock Exchange of Hong Kong, from 2006 to 2012. From 1982 to 2006, Mr. Wong held senior positions at the Royal Bank of Canada, the Union Bank of Switzerland, Citicorp International Limited, a merchant banking arm of Citibank, Hang Seng Bank Limited and DBS Bank Limited, Hong Kong. Mr. Wong was awarded the National Excellent Independent Director by the Shanghai Stock Exchange in 2010 and received the Medal of Honour (Hong Kong SAR) from the Hong Kong SAR Government in 2011. Mr. Wong obtained his Bachelor of Social Sciences (Honours) degree from the University of Hong Kong in 1980 and a Master of Philosophy degree from Hong Kong Buddhist College in 1982.

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***Executive Officers***

*Mr. Michael G. Potter* served as an independent director of our company from September 2007 until he was appointed our senior vice president and chief financial officer in July 2011. He continued as a director until his resignation on November 11, 2013. Mr. Potter has worked in finance, controlling and audit positions with a variety of multinational companies for over 20 years. From February 2009 to April 2011, he served as the corporate vice president and chief financial officer of Lattice Semiconductor Corporation, a Nasdaq-listed semiconductor device company. Prior to that, he was senior vice president and chief financial officer of NYSE-listed NeoPhotonics Corporation, a leading provider of photonic integrated circuit-based modules, components and subsystems for use in optical communications networks with extensive operations in Shenzhen, China. Before joining NeoPhotonics Corporation in May 2007, he was the senior vice president and chief financial officer of STATS ChipPAC, a semiconductor assembly and test services company based in Singapore and listed on the Nasdaq and Singapore Stock Exchange. Before that, he held a variety of executive positions at NYSE-listed Honeywell Inc. Mr. Potter is a Chartered Professional Accountant (CPA, CA) and holds a Bachelor of Commerce degree from Concordia University, Canada and a Diploma of Public Accountancy from McGill University, Canada.

*Mr. Guangchun Zhang* has served as our chief operations officer since December 2012 and has over 18 years of experience in the PV industry. Prior to joining us, Mr. Zhang worked for Suntech Power Holdings Co., Ltd, as senior vice president for research and development and industrialization of manufacturing technology since December 2005. Prior to joining Suntech, Mr. Zhang previously worked at the Centre for Photovoltaic Engineering at the University of New South Wales in Australia and Pacific Solar Pty. Limited from June 1994 to November 2005. Mr. Zhang was an associate professor in Shandong Technology University in China from February 1982 to May 1994. Mr. Zhang received his bachelor degree in 1982 from the School of Electronic Engineering at Shandong Industrial Institute.

*Mr. Yan Zhuang* has served as our chief commercial officer since May 2012. He also served as our senior vice president of global sales and marketing since July 2011, and prior to that as our vice president of global sales and marketing since June 2009. He was an independent director of our company from September 2007 to June 2009. Mr. Zhuang has worked in corporate branding, sales and marketing positions with, or provided consulting services to, a variety of multinational companies for over 15 years. In 2008, he founded and became a director of INS Research and Consulting. Mr. Zhuang was the head of Asia for Hands-on Mobile, Inc., a global media and entertainment company with operations in China, South Korea and India, from 2006 to 2007. He previously served as our senior vice president of business operations and marketing in Asia. Before joining Hands-on Mobile, Inc., he held various marketing and business operation positions with Motorola Inc., including as its Asia Pacific regional director of marketing planning and consumer insight. Prior to that, he was a marketing consultant in Canada and China. Mr. Zhuang holds a bachelor's degree in electrical engineering from Northern Jiaotong University, China, a Master of Science degree in applied statistics from the University of Alberta, Canada and a Master of Science degree in marketing management from the University of Guelph, Canada.

*Mr. Arthur (Jian) Chien* brings more than two decades of experience across investment, capital markets, large scale manufacturing management, and renewable energy project development. In the summer of 2015, Arthur joined our company as chief strategy officer, senior vice president, and president of our energy group. From 2007 to 2010, he served as Canadian Solar's Chief Financial Officer and held other positions throughout the Company. Between these two periods of service with Canadian Solar, Arthur was the CEO and Managing Director of Talesun Solar, a Chinese based solar project developer and EPC contractor. Earlier in his career, Arthur held various management positions across companies in Canada, Europe and China, including CFO of the Greater China regional office of the Bekeart Group of Belgium, CFO of China Grand Enterprise Ltd., and Managing Director of Beijing Encon Investment. He has also served as a board director with two Chinese listed companies.



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Arthur graduated with a Science degree from the University of Science and Technology of China in 1982. He received a Master's degree in Economics and was a Ph.D. candidate from the University of Western Ontario, Canada.

*Dr. Hui Feng Chang* joined our company in the beginning of 2016 as senior vice president of corporate strategy, business development and finance. He has 17 years of experiences in capital markets, financial investment and risk management. He was the Co-Head of Sales & Trading at the U.S. subsidiary of CICC (China International Capital Corp) from 2010 to 2015. Prior to that, he was the CEO of CSOP Asset Management based in Hong Kong from early 2008 to 2010, investing funds from China in the international markets. From 2000 to 2008, Dr. Chang was Vice President and an equity proprietary trader at Citigroup Equity Proprietary Investments in New York. Before going to New York, Dr. Chang was a risk consultant at Kamakura Corp in Hawaii, advising banks, insurers, pensions in Asia. He received a Ph.D. in soil physics and MBA from University of Hawaii in the early 1990s, M.S. degree from Academia Sinica in 1987 and B.S. degree from Nanjing Agricultural University in 1984.

*Mr. Jianyi Zhang* joined our company at the end of February 2016 as senior vice president and chief legal officer. After graduation from Washington University School of Law, Mr. Zhang worked at Troutman Sanders LLP as an associate from June 1993 to September 1994. Thereafter, he formed a law firm Su & Zhang in Los Angeles, California. He rejoined Troutman Sanders LLP as an associate in April 1995, became a partner in September of 1999 and worked in that position until December 2001. From January 2002 to June 2005, Mr. Zhang worked at Walmart Stores, Inc. first as a senior corporate counsel II and then as senior assistant general counsel. From July 2005 to February 2016, he served, consecutively, as senior advisor to Chinese law firms of Jingtian & Gongcheng Law Firm, Runbo Law Firm, East Associates Law Firm and East & Concord Partners in Beijing. Mr. Jianyi Zhang received his B.A. degree and M.A. degree from the University of Helsinki, Finland in 1982 and 1983 respectively. After graduation from the University of Helsinki in 1983, Mr. Zhang worked at the Chinese Foreign Ministry until September 1989. Thereafter, he went to study at Washington University School of Law in St. Louis, Missouri and received his J.D. degree in 1992.

***Duties of Directors***

Under our governing statute, our directors have a duty of loyalty to act honestly and in good faith with a view to our best interests. They also have a duty to exercise the care, diligence and skill that a reasonably prudent person would exercise in comparable circumstances. A shareholder has the right to seek damages if a duty owed by our directors is breached.

The functions and powers of our board of directors include:

convening shareholder meetings and reporting to shareholders at such meetings;

declaring dividends and authorizing other distributions to shareholders;

appointing officers and determining the term of office of officers;

exercising the borrowing powers of our company and mortgaging the property of our company; and

approving the issuance of shares.

**B. Compensation of Directors and Executive Officers**

***Cash Compensation***

We paid our directors and executive officers aggregate cash remuneration, including salaries, bonuses and benefits in kind, of approximately \$3.7 million for 2015. Of this amount, we paid

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approximately \$0.3 million to our three independent directors and approximately \$3.4 million to our executive officers. The total amount set aside or accrued by us and our subsidiaries to provide pension, retirement or similar benefits for our directors and executive officers was approximately \$0.01 million in 2015.

***Share-based Compensation***

*Share Incentive Plan*

In March 2006, we adopted a share incentive plan, or the Plan.

The purpose of the Plan is to promote the success and enhance the value of our company by linking the personal interests of the directors, employees and consultants to those of the shareholders and providing the directors, employees and consultants with an incentive for outstanding performance to generate superior returns to the shareholders. The Plan is also intended to motivate, attract and retain the services of the directors, employees and consultants upon whose judgment, interest and effort the successful conduct of our operations is largely dependent.

In September 2010, the shareholders approved an amendment to the Plan to increase the maximum number of common shares which may be issued pursuant to all awards of restricted shares, options and restricted share units under the Plan to the sum of (i) 2,330,000 plus (ii) the sum of (a) 1% of the number of our outstanding common shares on the first day of each of 2007, 2008 and 2009 plus (b) 2.5% of our outstanding common shares on the first day of each calendar year after 2009. As at March 31, 2016, the maximum number of common shares which may be issued pursuant to all awards of restricted shares, options and restricted share units under the Plan was 11,583,000 common shares, of which 566,190 restricted shares, 3,379,093 options, and 3,266,368 restricted share units (in each case net of forfeitures) have been awarded, leaving 4,371,349 common shares available to be issued.

The following describes the principal terms of the Plan.

*Types of Awards.* We may make the following types of awards under the Plan:

restricted shares, which are common shares that are subject to certain restrictions and may be subject to risk of forfeiture or repurchase;

options, which entitle the holder to purchase our common shares; and

restricted share units, which entitle the holder to receive our common shares

*Plan Administration.* The Compensation Committee of our board of directors administers the Plan, except with respect to awards made to our non-employee directors, where the entire board of directors administers the Plan. The Compensation Committee or the full board of directors, as appropriate, determines the provisions, terms, and conditions of each award.

*Award Agreement.* Awards are evidenced by an award agreement that sets forth the terms, conditions and limitations for each award.

*Eligibility.* We may grant awards to employees, directors and consultants of our company or any of our related entities, which include our subsidiaries and any entities in which we hold a substantial ownership interest. We may, however, grant options that are intended to qualify as incentive share options only to our employees.

*Acceleration of Awards upon Corporate Transactions.* Outstanding awards will accelerate upon a change-of-control where the successor entity does not assume our outstanding awards. In such event, each outstanding award will become fully vested and immediately exercisable, the transfer restrictions

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on the awards will be released and the repurchase or forfeiture rights will terminate immediately before the date of the change-of-control transaction.

*Exercise Price and Term of Options.* In general, the Compensation Committee determines the exercise price of an option and sets out the price in the award agreement. The exercise price may be a fixed or variable price related to the fair market value of our common shares. If we grant an incentive share option to an employee who, at the time of that grant, owns shares representing more than 10% of the voting power of all classes of our share capital, the exercise price cannot be less than 110% of the fair market value of our common shares on the date of that grant and the share option is exercisable for no more than five years from the date of that grant.

The term of an award may not exceed ten years from the date of the grant.

*Vesting Schedule.* In general, the Compensation Committee determines the vesting schedule.

**Restricted Shares**

The following table summarizes, as of March 31, 2016, the restricted shares granted under the Plan to our executive officers and to other individuals, individually and each as a group. We have not granted any restricted shares to our directors. The restricted shares granted in May 2006 vested over a two-year period beginning in March 2006. The vesting periods for all other restricted shares are indicated in the notes below.

| Name                                | Restricted Shares Granted | Restricted Shares Vested | Restricted Shares Forfeited | Date of Grant | Expiration    |
|-------------------------------------|---------------------------|--------------------------|-----------------------------|---------------|---------------|
| <b>Employees</b>                    |                           |                          |                             |               |               |
| Twelve individuals as a group       | 330,860                   | 330,860                  |                             | May 30, 2006  | May 29, 2016  |
| Hanbing Zhang <sup>(3)</sup>        | 116,500 <sup>(4)</sup>    | 116,500                  |                             | July 28, 2006 | July 27, 2016 |
| <b>Employees as a group</b>         | <b>447,360</b>            | <b>447,360</b>           |                             |               |               |
| <b>Other Individuals</b>            |                           |                          |                             |               |               |
| One individual                      | 2,330 <sup>(1)</sup>      | 2,330                    |                             | May 30, 2006  | May 29, 2016  |
| One individual                      | 116,500 <sup>(2)</sup>    | 116,500                  |                             | June 30, 2006 | June 29, 2016 |
| <b>Other Individuals as a group</b> | <b>118,830</b>            | <b>118,830</b>           |                             |               |               |
| <b>Total Restricted Shares</b>      | <b>566,190</b>            | <b>566,190</b>           |                             |               |               |

(1) Vest on accelerated termination.

(2) Vest over a two-year period from the date of grant.

(3) The wife of Dr. Shawn Qu, our founder, Chairman, President and Chief Executive Officer.

(4) Vest over a four-year period from the date of grant.

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**Options**

The following table summarizes, as of March 31, 2016, the options granted under the Plan to our directors and executive officers and to other individuals, individually and as a group. The options granted in May 2006 vest over a four-year period beginning in March 2006. The options granted to our independent directors vest immediately. Unless otherwise noted, all other options granted vest over a four-year period (one-quarter on each anniversary date) from the date of grant, and exercise prices are equal to the average of the trading prices of the common shares for the five trading days preceding the date of grant.

| Name                                 | Common Shares Underlying Options Granted | Common Shares Underlying Options Exercised | Common Shares Underlying Options Forfeited | Common Shares Underlying Options Outstanding | Exercise Price (\$ per Share) | Date of Grant      | Date of Expiration |
|--------------------------------------|--|--|--|--|-------------------------------|--------------------|--------------------|
| <b>Directors:</b>                    |  |  |  |  |                               |                    |                    |
| Shawn (Xiaohua) Qu                   | 20,000                                   |  |  | 20,000                                       | 3.18                          | March 12, 2009     | March 11, 2019     |
|                                      | 25,000                                   |  |  | 25,000                                       | 11.33                         | August 27, 2010    | August 26, 2020    |
|                                      | 18,779                                   |  |  | 18,779                                       | 9.33                          | May 20, 2011       | May 19, 2021       |
| Robert McDermott                     | 46,600 <sup>(1)</sup>                    | 46,600                                     |  |  | 15.00 <sup>(3)</sup>          | August 8, 2006     | August 7, 2016     |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 9.88                          | July 1, 2007       | June 30, 2017      |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 41.75 <sup>(4)</sup>          | June 26, 2008      | June 25, 2018      |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 13.75 <sup>(4)</sup>          | June 29, 2009      | June 28, 2019      |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 12.09 <sup>(4)</sup>          | September 20, 2010 | September 19, 2020 |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 9.81 <sup>(4)</sup>           | June 27, 2011      | June 26, 2021      |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 3.03 <sup>(4)</sup>           | June 11, 2012      | June 10, 2022      |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 8.29 <sup>(4)</sup>           | June 7, 2013       | June 6, 2023       |
| Lars-Eric Johansson                  | 46,600 <sup>(2)</sup>                    | 46,600                                     |  |  | 15.00 <sup>(3)</sup>          | August 8, 2006     | August 7, 2016     |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 9.88 <sup>(4)</sup>           | July 1, 2007       | June 30, 2017      |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 41.75 <sup>(4)</sup>          | June 26, 2008      | June 25, 2018      |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 13.75 <sup>(4)</sup>          | June 29, 2009      | June 28, 2019      |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 12.09 <sup>(4)</sup>          | September 20, 2010 | September 19, 2020 |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 9.81 <sup>(4)</sup>           | June 27, 2011      | June 26, 2021      |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 3.03 <sup>(4)</sup>           | June 11, 2012      | June 10, 2022      |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 8.29 <sup>(4)</sup>           | June 7, 2013       | June 6, 2023       |
| Harry E. Ruda                        | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 8.31 <sup>(4)</sup>           | August 14, 2011    | August 13, 2021    |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 3.03 <sup>(4)</sup>           | June 11, 2012      | June 10, 2022      |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 8.29 <sup>(4)</sup>           | June 7, 2013       | June 6, 2023       |
| <b>Directors as a Group</b>          | <b>553,079</b>                           | <b>349,500</b>                             |  | <b>203,579</b>                               |                               |                    |                    |
| <b>Executive Officers:</b>           |  |  |  |  |                               |                    |                    |
| Michael G. Potter                    | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 7.36 <sup>(4)</sup>           | September 24, 2007 | September 23, 2017 |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 41.75 <sup>(4)</sup>          | June 26, 2008      | June 25, 2018      |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 13.75 <sup>(4)</sup>          | June 29, 2009      | June 28, 2019      |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 12.09 <sup>(4)</sup>          | September 20, 2010 | September 19, 2020 |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 9.81 <sup>(4)</sup>           | June 27, 2011      | June 26, 2021      |
|                                      | 60,688                                   | 45,516                                     |  | 15,172                                       | 9.52                          | July 20, 2011      | July 19, 2021      |
|                                      |  |  |  |  |                               | September 24, 2007 | September 23, 2017 |
| Yan Zhuang                           | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 7.36                          | September 24, 2007 | September 23, 2017 |
|                                      | 23,300 <sup>(2)</sup>                    |  |  | 23,300                                       | 41.75                         | June 26, 2008      | June 25, 2018      |
|                                      | 80,000                                   | 80,000                                     |  |  | 9.37                          | May 23, 2009       | May 22, 2019       |
|                                      | 15,000                                   | 15,000                                     |  |  | 11.33                         | August 27, 2010    | August 26, 2020    |
|                                      | 11,268                                   | 11,268                                     |  |  | 9.33                          | May 20, 2011       | May 19, 2021       |
| Arthur (Jian) Chien                  | 46,600 <sup>(1)</sup>                    | 46,600                                     |  |  | 4.29                          | August 8, 2006     | August 7, 2016     |
|                                      | 23,300 <sup>(2)</sup>                    | 23,300                                     |  |  | 9.88                          | July 1, 2007       | June 30, 2017      |
|                                      |  |  |  |  |                               | September 24, 2007 | September 23, 2017 |
|                                      | 46,600                                   | 34,950                                     | 11,650                                     |  | 7.36 <sup>(4)</sup>           | September 24, 2007 | September 23, 2017 |
|                                      | 20,000                                   | 5,000                                      | 15,000                                     |  | 3.18                          | March 12, 2009     | March 11, 2019     |
|                                      | 15,000                                   |  | 15,000                                     |  | 11.33                         | August 27, 2010    | August 26, 2020    |
| <b>Executive Officers as a Group</b> | <b>481,556</b>                           | <b>354,834</b>                             | <b>41,650</b>                              | <b>85,072</b>                                |                               |                    |                    |

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| Name   | Common Shares Underlying Options Granted | Common Shares Underlying Options Exercised | Common Shares Underlying Options Forfeited | Common Shares Underlying Options Outstanding | Exercise Price (\$ per Share) | Date of Grant      | Date of Expiration |
|--|--|--|--|--|-------------------------------|--------------------|--------------------|
| <b>Employees:</b>                                |  |  |  |  |                               |                    |                    |
| Ten employees as a group                         | 791,035                                  | 553,375                                    | 121,160                                    | 116,500                                      | 2.12                          | May 30, 2006       | May 29, 2016       |
| Twenty-eight employees as a group                | 126,170                                  | 92,968                                     | 33,202                                     |  | 4.29                          | May 30, 2006       | May 29, 2016       |
| One employee                                     | 2,330 <sup>(6)</sup>                     | 2,330                                      |  |  | 4.29                          | May 30, 2006       | May 29, 2016       |
| Two employees as a group                         | 51,260                                   | 51,260                                     |  |  | 4.29                          | June 30, 2006      | June 29, 2016      |
| One employee                                     | 64,075                                   | 64,075                                     |  |  | 4.29                          | July 17, 2006      | July 16, 2016      |
| Hanbing Zhang <sup>(7)</sup>                     | 46,600                                   |  |  | 46,600                                       | 4.29                          | July 28, 2006      | July 27, 2016      |
| One employee                                     | 58,250                                   | 14,563                                     |  | 43,687                                       | 12.00 <sup>(8)</sup>          | August 8, 2006     | August 7, 2016     |
| Three employees as a group                       | 11,650                                   | 9,903                                      | 1,747                                      |  | 12.00 <sup>(8)</sup>          | August 31, 2006    | August 30, 2016    |
| Three employees as a group                       | 79,900                                   | 58,250                                     | 21,650                                     |  | 12.10                         | March 1, 2007      | February 28, 2017  |
| One employee                                     | 6,990                                    | 1,748                                      | 5,242                                      |  | 12.10                         | March 1, 2007      | February 28, 2017  |
| Five employees as a group                        | 52,280                                   | 5,413                                      | 46,867                                     |  | 8.21                          | August 17, 2007    | August 16, 2017    |
| Eight employees as a group                       | 39,208                                   | 34,376                                     | 4,832                                      |  | 7.36                          | September 24, 2007 | September 23, 2017 |
| Twelve employees as a group                      | 170,145                                  | 116,813                                    | 53,332                                     |  | 7.36                          | September 24, 2007 | September 23, 2017 |
| Six employees as a group                         | 36,136                                   | 25,000                                     | 11,136                                     |  | 19.55                         | February 28, 2008  | February 27, 2018  |
| One employee                                     | 10,000                                   |  | 10,000                                     |  | 19.40                         | March 3, 2008      | March 2, 2018      |
| Two employees as a group                         | 18,000                                   |  | 18,000                                     |  | 20.67                         | March 31, 2008     | March 30, 2018     |
| One employee                                     | 30,000                                   |  | 30,000                                     |  | 46.28                         | June 26, 2008      | June 25, 2018      |
| Four employees as a group                        | 30,000                                   | 5,000                                      | 25,000                                     |  | 27.88                         | August 7, 2008     | August 6, 2018     |
| Seventy-eight employees as a group               | 400,200                                  | 232,890                                    | 132,110                                    | 35,200                                       | 3.18                          | March 12, 2009     | March 11, 2019     |
| Hanbing Zhang <sup>(7)</sup>                     | 6,000                                    |  |  | 6,000  | 3.18                          | March 12, 2009     | March 11, 2019     |
| One employee                                     | 20,000                                   | 20,000                                     |  |  | 5.26                          | March 30, 2009     | March 29, 2019     |
| Eighteen employees as a group                    | 59,400                                   | 37,600                                     | 18,800                                     | 3,000  | 9.37                          | May 23, 2009       | May 22, 2019       |
| One employee                                     | 10,000                                   |  | 10,000                                     |  | 11.58                         | May 31, 2009       | May 30, 2019       |
| Seven employees as a group                       | 30,800                                   | 13,200                                     | 17,600                                     |  | 15.18                         | August 6, 2009     | August 5, 2019     |
| Fourteen employees as a group                    | 82,600                                   | 60,600                                     | 22,000                                     |  | 16.10                         | November 8, 2009   | November 7, 2019   |
| One hundred and thirty-one employees as a group  | 483,600                                  | 224,550                                    | 239,675                                    | 19,375                                       | 11.33                         | August 27, 2010    | August 26, 2020    |
| Hanbing Zhang <sup>(7)</sup>                     | 12,000                                   |  |  | 12,000                                       | 11.33                         | August 27, 2010    | August 26, 2020    |
| One employee                                     | 100,000                                  |  | 100,000                                    |  | 15                            | October 8, 2010    | October 7, 2020    |
| One hundred and fifty-three employees as a group | 236,000                                  | 119,650                                    | 94,500                                     | 21,850                                       | 15.24                         | November 14, 2010  | November 13, 2020  |
| Five employees as a group                        | 32,900                                   | 24,650                                     | 4,200                                      | 4,050  | 13.99                         | March 5, 2011      | March 4, 2021      |
| Seventy-three employees as a group               | 353,064                                  | 161,386                                    | 137,094                                    | 54,584                                       | 9.33                          | May 20, 2011       | May 19, 2021       |
| Hanbing Zhang <sup>(7)</sup>                     | 7,512                                    |  |  | 7,512  | 9.33                          | May 20, 2011       | May 19, 2021       |
| Five employees as a group                        | 150,000                                  | 33,750                                     | 105,000                                    | 11,250                                       | 8.94                          | June 1, 2011       | May 31, 2021       |
| Twenty employees as a group                      | 74,000                                   | 25,250                                     | 44,500                                     | 4,250  | 3.03                          | November 14, 2011  | November 13, 2021  |
| <b>Employees as a group</b>                      | <b>3,682,105</b>                         | <b>1,988,600</b>                           | <b>1,307,647</b>                           | <b>385,858</b>                               |                               |                    |                    |
| Two individuals as a group                       | 11,650                                   | 11,650                                     |  |  | 15.00 <sup>(3)</sup>          | April 13, 2007     | April 12, 2017     |
| <b>Individuals as a group</b>                    | <b>11,650</b>                            | <b>11,650</b>                              |  |  |                               |                    |                    |
| <b>Total Options</b>                             | <b>4,728,390</b>                         | <b>2,704,584</b>                           | <b>1,349,297</b>                           | <b>674,509</b>                               |                               |                    |                    |

- (1) Vest in two equal installments, the first upon the date of grant and the second upon the first year anniversary of the date of grant as long as the director remains in service.
- (2) Vest immediately upon the date of grant.
- (3)

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The initial public offering price of the common shares.

- (4) Exercise price equal to the average of the trading prices of the common shares for the 20 trading days preceding the date of grant.
- (5) Vest one year after the date of grant.
- (6) Vesting accelerated on termination.
- (7) The wife of Dr. Shawn Qu, our founder, Chairman, President and Chief Executive Officer.
- (8) 80% of the initial public offering price of the common shares.

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Before 2014, we agreed to grant each of our independent directors, Robert McDermott, Lars-Eric Johansson and Harry E. Ruda, options to purchase 23,300 of our common shares immediately after each annual shareholder meeting at an exercise price equal to the average of the trading price of our common shares for the 20 trading days ending on such date. These options vested immediately.

### ***Restricted Share Units***

The following table summarizes, as of March 31, 2016, the restricted share units granted under the Plan to our directors and executive officers and to other individuals, individually and as a group. The restricted share units granted on May 8, 2011 vested on the anniversary of the date of grant. The restricted share units granted to our independent directors vest on the earlier of the date that the director ceases to be a member of our board of directors for any reason and three years after the date of the grant. The other restricted share units granted vest over a four-year period (one-quarter on each anniversary date) from the date of grant.

| Name                 | Restricted<br>Share Units<br>Granted | Restricted<br>Share Units<br>Vested | Restricted<br>Share<br>Units<br>Forfeited | Date of Grant   | Expiration            |                       |
|----------------------|--------------------------------------|-------------------------------------|---|-----------------|-----------------------|-----------------------|
| <b>Directors:</b>    |                                      |                                     |   |                 |                       |                       |
| Shawn (Xiaohua) Qu   | 6,154 <sup>(1)</sup>                 | 6,154                               |   | May 8, 2011     | May 7, 2021           |                       |
|                      | 13,706 <sup>(2)</sup>                | 13,706                              |   | May 20, 2011    | May 19, 2021          |                       |
|                      | 75,075 <sup>(2)</sup>                | 75,075                              |   | March 16, 2012  | March 15, 2022        |                       |
|                      | 67,024 <sup>(2)</sup>                | 50,268                              |   | March 9, 2013   | March 8, 2023         |                       |
|                      | 11,983 <sup>(2)</sup>                | 2,996                               |   | May 4, 2014     | May 3, 2024           |                       |
| Robert McDermott     | 8,274 <sup>(2)</sup>                 |                                     |   | May 3, 2015     | May 2, 2025           |                       |
|                      | 1,020 <sup>(5)</sup>                 |                                     |   | July 1, 2014    | June 20, 2024         |                       |
|                      | 800 <sup>(5)</sup>                   |                                     |   | October 1, 2014 | September 30,<br>2024 |                       |
|                      | 1,274 <sup>(5)</sup>                 |                                     |   | January 1, 2015 | December 31,<br>2024  |                       |
|                      | 880 <sup>(5)</sup>                   |                                     |   | April 1, 2015   | March 31, 2025        |                       |
|                      | 993 <sup>(5)</sup>                   |                                     |   | July 1, 2015    | June 30, 2025         |                       |
|                      | 1,820 <sup>(5)</sup>                 |                                     |   | October 1, 2015 | September 30,<br>2025 |                       |
|                      | 1,033 <sup>(5)</sup>                 |                                     |   | January 1, 2016 | December 31,<br>2025  |                       |
|                      | 1,020 <sup>(5)</sup>                 |                                     |   | July 1, 2014    | June 20, 2024         |                       |
|                      | Lars-Eric Johansson                  | 800 <sup>(5)</sup>                  |   |                 | October 1, 2014       | September 30,<br>2024 |
| 1,274 <sup>(5)</sup> |                                      |                                     |   | January 1, 2015 | December 31,<br>2024  |                       |
| 880 <sup>(5)</sup>   |                                      |                                     |   | April 1, 2015   | March 31, 2025        |                       |
| 993 <sup>(5)</sup>   |                                      |                                     |   | July 1, 2015    | June 30, 2025         |                       |
| 1,820 <sup>(5)</sup> |                                      |                                     |   | October 1, 2015 | September 30,<br>2025 |                       |
| 1,033 <sup>(5)</sup> |                                      |                                     |   | January 1, 2016 | December 31,<br>2025  |                       |
| 1,020 <sup>(5)</sup> |                                      |                                     |   | July 1, 2014    | June 20, 2024         |                       |
| Harry E. Ruda        |                                      | 800 <sup>(5)</sup>                  |   |                 | October 1, 2014       | September 30,<br>2024 |
|                      |                                      | 1,274 <sup>(5)</sup>                |   |                 | January 1, 2015       | December 31,<br>2024  |
|                      |                                      | 880 <sup>(5)</sup>                  |   |                 | April 1, 2015         | March 31, 2025        |
|                      | 993 <sup>(5)</sup>                   |                                     |   | July 1, 2015    | June 30, 2025         |                       |
|                      | 1,820 <sup>(5)</sup>                 |                                     |   | October 1, 2015 | September 30,<br>2025 |                       |
|                      | 1,033 <sup>(5)</sup>                 |                                     |   | January 1, 2016 | December 31,<br>2025  |                       |
|                      | 1,020 <sup>(5)</sup>                 |                                     |   | July 1, 2014    | June 20, 2024         |                       |
|                      | Andrew (Luen Cheung) Wong            | 800 <sup>(5)</sup>                  |   |                 | October 1, 2014       | September 30,<br>2024 |
|                      |                                      | 1,274 <sup>(5)</sup>                |   |                 | January 1, 2015       | December 31,<br>2024  |
|                      |                                      | 880 <sup>(5)</sup>                  |   |                 | April 1, 2015         | March 31, 2025        |
| 993 <sup>(5)</sup>   |                                      |                                     |   | July 1, 2015    | June 30, 2025         |                       |
| 1,820 <sup>(5)</sup> |                                      |                                     |   | October 1, 2015 | September 30,<br>2025 |                       |
| 1,033 <sup>(5)</sup> |                                      |                                     |   | January 1, 2016 | December 31,<br>2025  |                       |
| 610 <sup>(1)</sup>   |                                      | 610                                 |   | August 7, 2014  | August 6, 2024        |                       |
| 800 <sup>(1)</sup>   |                                      | 800                                 |   | October 1, 2014 | September 20,<br>2024 |                       |
| 1,274 <sup>(1)</sup> |                                      | 1,274                               |   | January 1, 2015 | December 31,<br>2024  |                       |
| 880 <sup>(1)</sup>   |                                      |                                     |   | April 1, 2015   | March 31, 2025        |                       |
| 993 <sup>(1)</sup>   |                                      |                                     | July 1, 2015                              | June 30, 2025   |                       |                       |
| 1,820 <sup>(1)</sup> |                                      |                                     | October 1, 2015                           | June 30, 2025   |                       |                       |

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|                             |                      |                | September 30,<br>2025 |
|-----------------------------|----------------------|----------------|-----------------------|
|                             |                      |                | December 31,<br>2025  |
|                             | 1,033 <sup>(5)</sup> |                | January 1, 2016       |
| <b>Directors as a group</b> | <b>213,086</b>       | <b>150,883</b> |                       |

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| Name   | Restricted Share Units Granted | Restricted Share Units Vested | Restricted Share Units Forfeited | Date of Grant      | Expiration         |
|--|--------------------------------|-------------------------------|----------------------------------|--------------------|--------------------|
| <b>Executive Officers</b>                          |                                |                               |                                  |                    |                    |
| Michael G. Potter                                  | 42,868 <sup>(2)</sup>          | 42,868                        |                                  | July 20, 2011      | July 19, 2021      |
|  | 45,045 <sup>(2)</sup>          | 45,045                        |                                  | March 16, 2012     | March 15, 2022     |
|  | 40,214 <sup>(2)</sup>          | 30,160                        |                                  | March 9, 2013      | March 8, 2023      |
|  | 7,262 <sup>(2)</sup>           | 1,815                         |                                  | May 4, 2014        | May 3, 2024        |
|  | 5,516 <sup>(2)</sup>           |                               |                                  | May 3, 2015        | May 2, 2025        |
| Guangchun Zhang                                    | 80,000 <sup>(2)</sup>          | 60,000                        |                                  | March 9, 2013      | March 8, 2023      |
|  | 7,262 <sup>(2)</sup>           | 1,815                         |                                  | May 4, 2014        | May 3, 2024        |
|  | 5,516 <sup>(2)</sup>           |                               |                                  | May 3, 2015        | May 2, 2025        |
| Yan Zhuang   | 2,564 <sup>(1)</sup>           | 2,564                         |                                  | May 8, 2011        | May 7, 2021        |
|  | 8,224 <sup>(2)</sup>           | 8,224                         |                                  | May 20, 2011       | May 19, 2021       |
|  | 45,045 <sup>(2)</sup>          | 45,045                        |                                  | March 16, 2012     | March 15, 2022     |
|  | 40,214 <sup>(2)</sup>          | 30,160                        |                                  | March 9, 2013      | March 8, 2023      |
|  | 7,988 <sup>(2)</sup>           | 1,997                         |                                  | May 4, 2014        | May 3, 2024        |
|  | 5,516 <sup>(2)</sup>           |                               |                                  | May 3, 2015        | May 2, 2025        |
| Arthur (Jian) Chien                                | 13,445 <sup>(2)</sup>          |                               |                                  | June 26, 2015      | June 25, 2025      |
| <b>Executive Officers as a group</b>               | <b>356,679</b>                 | <b>269,693</b>                |                                  |                    |                    |
| <b>Employees</b>                                   |                                |                               |                                  |                    |                    |
| Nine employees as a group                          | 13,844 <sup>(1)</sup>          | 10,768                        | 3,076                            | May 8, 2011        | May 7, 2021        |
| One hundred and seventy-four employees as a group  | 423,801 <sup>(2)</sup>         | 291,519                       | 132,282                          | May 20, 2011       | May 19, 2021       |
| One hundred and forty-seven employees as a group   | 1,125,044 <sup>(2)</sup>       | 769,719                       | 355,325                          | March 16, 2012     | March 15, 2022     |
| Four employees as a group                          | 43,000 <sup>(2)</sup>          | 8,500                         | 32,500                           | May 6, 2012        | May 5, 2022        |
| Three employees as a group                         | 30,000 <sup>(2)</sup>          | 22,500                        |                                  | August 16, 2012    | August 15, 2022    |
| Two employees as a group                           | 16,006 <sup>(2)</sup>          | 12,004                        |                                  | August 17, 2012    | August 16, 2022    |
| One hundred and thirty-eight employees as a group  | 916,223 <sup>(2)</sup>         | 535,002                       | 229,120                          | March 9, 2013      | March 8, 2023      |
| One employee                                       | 20,000 <sup>(2)</sup>          | 10,000                        |                                  | June 16, 2013      | June 15, 2023      |
| One employee                                       | 2,861 <sup>(2)</sup>           | 1,430                         |                                  | July 16, 2013      | July 15, 2023      |
| One employee                                       | 1,952 <sup>(2)</sup>           | 488                           | 1,464                            | July 18, 2013      | July 17, 2023      |
| Thirteen employees as a group                      | 19,655 <sup>(2)</sup>          | 9,071                         | 1,890                            | August 10, 2013    | August 9, 2023     |
| Seven hundred and forty-eight employees as a group | 126,036 <sup>(4)</sup>         | 126,036                       |                                  | August 11, 2013    | August 10, 2023    |
| One employee                                       | 10,000 <sup>(2)</sup>          | 5,000                         | 5,000                            | August 17, 2013    | August 16, 2023    |
| One employee                                       | 20,000 <sup>(2)</sup>          | 5,000                         | 15,000                           | September 3, 2013  | September 2, 2023  |
| One employee                                       | 1,739 <sup>(2)</sup>           | 869                           |                                  | October 31, 2013   | October 30, 2023   |
| Four employees as a group                          | 5,933 <sup>(2)</sup>           | 2,617                         | 1,571                            | November 8, 2013   | November 7, 2023   |
| One employee                                       | 1,040 <sup>(2)</sup>           | 520                           |                                  | November 25, 2013  | November 24, 2023  |
| Hanbing Zhang <sup>(3)</sup>                       | 1,538 <sup>(1)</sup>           | 1,538                         |                                  | May 8, 2011        | May 7, 2021        |
|  | 5,482 <sup>(2)</sup>           | 5,482                         |                                  | May 20, 2011       | May 19, 2021       |
|  | 21,021 <sup>(2)</sup>          | 21,021                        |                                  | March 16, 2012     | March 15, 2022     |
|  | 18,767 <sup>(2)</sup>          | 14,075                        |                                  | March 9, 2013      | March 8, 2023      |
|  | 2,796 <sup>(2)</sup>           | 699                           |                                  | May 4, 2014        | May 3, 2024        |
|  | 2,344 <sup>(2)</sup>           |                               |                                  | May 3, 2015        | May 2, 2025        |
| One hundred and eighty-five employees as a group   | 200,661 <sup>(2)</sup>         | 51,861                        | 38,842                           | May 4, 2014        | May 3, 2024        |
| Three employees as a group                         | 8,574 <sup>(2)</sup>           | 974                           | 5,554                            | August 7, 2014     | August 6, 2024     |
| Four employees as a group                          | 17,472 <sup>(2)</sup>          | 8,148                         | 3,228                            | August 8, 2014     | August 7, 2024     |
| One employee                                       | 847 <sup>(2)</sup>             |                               | 847                              | September 1, 2014  | August 31, 2024    |
| Three employees as a group                         | 2,112 <sup>(2)</sup>           | 528                           | 594                              | September 26, 2014 | September 25, 2024 |
| Seven employees as a group                         | 39,673 <sup>(2)</sup>          | 9,917                         | 320                              | December 26, 2014  | December 25, 2024  |
| Ten employees as a group                           | 109,036 <sup>(2)</sup>         | 24,230                        | 12,115                           | January 29, 2015   | January 28, 2025   |
| Six employees as a group                           | 68,660 <sup>(2)</sup>          | 6,866                         | 41,196                           | January 30, 2015   | January 29, 2025   |
| Two hundred and seven employees as a group         | 143,143 <sup>(2)</sup>         | 1,931                         | 14,619                           | May 3, 2015        | May 2, 2025        |

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|                                  |           |       |               |               |
|----------------------------------|-----------|-------|---------------|---------------|
| Eighty-four employees as a group | 81,838(2) | 4,551 | June 15, 2015 | June 14, 2025 |
|----------------------------------|-----------|-------|---------------|---------------|

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| Name                                | Restricted Share Units Granted | Restricted Share Units Vested | Restricted Share Units Forfeited | Date of Grant      | Expiration         |
|-------------------------------------|--------------------------------|-------------------------------|----------------------------------|--------------------|--------------------|
| Three employees as a group          | 15,535 <sup>(2)</sup>          |                               |                                  | June 26, 2015      | June 25, 2025      |
| Thirteen employees as a group       | 56,124 <sup>(2)</sup>          | 198                           |                                  | September 25, 2015 | September 24, 2025 |
| Nine employees as a group           | 22,940 <sup>(2)</sup>          |                               |                                  | December 24, 2015  | December 23, 2025  |
| <b>Employees as a group</b>         | <b>3,595,697</b>               | <b>1,958,511</b>              | <b>899,094</b>                   |                    |                    |
| <b>Total Restricted Share Units</b> | <b>4,165,462</b>               | <b>2,379,087</b>              | <b>899,094</b>                   |                    |                    |

- (1) Vest over a one-year period from the date of grant.
- (2) Vest over a four-year period from the date of grant.
- (3) The wife of Dr. Shawn Qu, our founder, Chairman, President and Chief Executive Officer.
- (4) Vest immediately upon the date of grant.
- (5) Vest after three years from the date of grant

Effective June 23, 2014, we have agreed to grant each of our independent directors, Robert McDermott, Lars-Eric Johansson, Harry E. Ruda and Andrew (Luen Cheung) Wong, restricted share units quarterly in advance on the first day of July, October, January and April in each year of service. The number of restricted share units granted quarterly is determined by dividing \$30,000 by the average of the closing price of our common shares on each of the five trading days preceding the date of the grant. Each restricted share unit will entitle those directors to receive one of our common shares upon vesting. These restricted share units vest on the earlier of the date that the director ceases to be a member of our board of directors for any reason and three years after the grant date. We agree to issue common shares to those directors as soon as practicable, and in any event within 60 days, after the granted restricted share units are vested.

**C. Board Practices**

In 2015, our board of directors held seven meetings and passed 46 resolutions by unanimous written consent.

***Terms of Directors and Executive Officers***

Our officers are appointed by and serve at the discretion of our board of directors. Our current directors have not been elected to serve for a specific term and, unless re-elected, hold office until the close of our next annual meeting of shareholders or until such time as their successors are elected or appointed.

***Committees of the Board of Directors***

Our board of directors has established an audit committee, a compensation committee, a nominating and corporate governance committee and a technology committee.

***Audit Committee***

Our audit committee comprises Messrs. Lars-Eric Johansson, Robert McDermott, Harry E. Ruda and Andrew (Luen Cheung) Wong and is chaired by Mr. Johansson. Mr. Johansson qualifies as an "audit committee financial expert" as required by the SEC. Each of Messrs. Johansson, McDermott, Ruda and Wong satisfies the "independence" requirements of the Nasdaq corporate governance rules and is "financially literate" as required by the Nasdaq rules. The audit committee oversees our accounting and financial reporting processes and the audits of the financial statements of our company.



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The audit committee is responsible for, among other things:

selecting our independent auditors and pre-approving all auditing and non-auditing services permitted to be performed by our independent auditors;

reviewing with our independent auditors any audit problems or difficulties and management's responses;

reviewing and approving all proposed related-party transactions, as defined in Item 404 of Regulation S-K under the Securities Act;

discussing the annual audited financial statements with management and our independent auditors;

reviewing major issues as to the adequacy of our internal controls and any special audit steps adopted in light of material control deficiencies;

annually reviewing and reassessing the adequacy of our audit committee charter;

such other matters that are specifically delegated to our audit committee by our board of directors from time to time;

meeting separately and periodically with management and our internal and independent auditors; and

reporting regularly to the full board of directors.

In 2015, our audit committee held six meetings, and passed three resolutions by unanimous written consent.

*Compensation Committee*

Our compensation committee consists of Messrs. Lars-Eric Johansson, Robert McDermott, Harry E. Ruda and Andrew (Luen Cheung) Wong and is chaired by Mr. Wong. Each of Messrs. Johansson, McDermott, Ruda and Wong satisfies the "independence" requirements of the Nasdaq corporate governance rules. The compensation committee assists the board in reviewing and approving the compensation structure for our directors and executive officers, including all forms of compensation to be provided to our directors and executive officers. Members of the compensation committee are not prohibited from direct involvement in determining their own compensation. Our chief executive officer may not be present at any committee meeting during which his compensation is deliberated. The compensation committee is responsible for, among other things:

reviewing and approving corporate goals and objectives relevant to the compensation of our chief executive officer, evaluating the performance of our chief executive officer in light of those goals and objectives, and setting the compensation level of our chief executive officer based on this evaluation;

reviewing and approving the compensation arrangements for our other executive officers and our directors; and

overseeing and periodically reviewing the operation of our employee benefits plans, including bonus, incentive compensation, stock option, pension and welfare plans.

In 2015, our compensation committee held five meetings and passed three resolutions by unanimous written consent.

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*Nominating and Corporate Governance Committee*

Our nominating and corporate governance committee consists of Messrs. Lars-Eric Johansson, Robert McDermott, Harry E. Ruda and Andrew (Luen Cheung) Wong and is chaired by Mr. McDermott. Each of Messrs. Johansson, McDermott, Ruda and Wong satisfies the "independence" requirements of the Nasdaq corporate governance rules. The nominating and corporate governance committee assists the board of directors in identifying individuals qualified to become our directors and in determining the composition of the board and its committees. The nominating and corporate governance committee is responsible for, among other things:

identifying and recommending to the board nominees for election or re-election to the board, or for appointment to fill any vacancy;

reviewing annually with the board the current composition of the board in light of the characteristics of independence, age, skills, experience and availability of service to us;

identifying and recommending to the board the directors to serve as members of the board's committees;

advising the board periodically with respect to significant developments in the law and practice of corporate governance as well as our compliance with applicable laws and regulations, and making recommendations to the board on all matters of corporate governance and on any corrective action to be taken; and

monitoring compliance with our code of business conduct and ethics, including reviewing the adequacy and effectiveness of our procedures to ensure proper compliance.

In 2015, our nominating and corporate governance committee held four meetings and did not pass any resolutions by unanimous written consent.

*Research and Development Committee*

Our research and development committee consists of Dr. Harry E. Ruda and Dr. Shawn Qu and is chaired by Dr. Ruda. Our chief technical officer is an advisory member of the committee. The research and development committee advises and assists the board of directors and management on matters relating to technology and technological innovation and development as it relates to our solar power business. The research and development committee is responsible for, among other things:

reviewing, evaluating and advising the board of directors and management regarding the quality, scope, direction and effectiveness of our research and development programs and activities;

reviewing, evaluating and advising the board of directors and management regarding our progress in achieving our research and development goals and objectives;

reviewing, evaluating and making recommendations to the board of directors and management on our internal and external investments in science and technology;

monitoring, identifying, evaluating and advising the board of directors and management regarding competing solar power technologies and new and emerging developments in solar power science and technology;

reviewing, evaluating and advising the board of directors and our chief executive officer regarding the composition and quality of the research and development team; and

providing general oversight of matters relating to the protection of our intellectual property.

Our research and development committee was formed in November 2014. In 2015, it held three meetings and did not pass any resolutions by unanimous written consent.



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***Interested Transactions***

Under the CBCA, a director or officer of a corporation who is a party to a material contract or transaction or proposed material contract or transaction with the corporation, or is a director or officer (or an individual acting in a similar capacity) of, or has a material interest in, any person who is party to such a contract or transaction, is required to disclose to the corporation in writing or request to have entered into the minutes of meetings of directors the nature and extent of his or her interest in accordance with the requirements of the CBCA. A director may vote on any resolution in respect of such contract or transaction only if the contract or transaction is: (a) one relating primarily to remuneration as a director, officer, employee or agent of the corporation or an affiliate; (b) one for indemnity or insurance in favor of directors and officers in compliance with the CBCA; or (c) one with an affiliate.

In 2015, we did not enter into any interested transactions other than those described in this "Item 6. Directors, Senior Management and Employees" and "Item 7. Major Shareholders and Related Party Transactions B. Related Party Transactions."

***Remuneration and Borrowing***

Our directors may determine the remuneration to be paid to them. The compensation committee will assist the directors in reviewing and approving the compensation structure for our directors. Our directors may, without authorization of the shareholders (a) borrow money on our credit, (b) issue, reissue, sell, pledge or hypothecate debt obligations of ours, (c) give a guarantee on our behalf to secure performance of an obligation of any person, and (d) mortgage, hypothecate, pledge or otherwise create a security interest in all or any property of ours, owned or subsequently acquired, to secure any obligation of ours.

***Qualification***

Each of our independent directors is asked to hold common shares and/or restricted share units having a value which is at least five times the director's annual cash retainer. This requirement should be satisfied before the later of July 1, 2017 and three years after he or she becomes a director.

***Employment Agreements***

We have entered into employment agreements with each of our executive officers.

All of the employment agreements with our executive officers are for an indefinite term. Under the employment agreements, we may terminate an executive officer's employment at any time for cause without notice and for any other reason by giving written notice of termination to the executive officer. An executive officer may terminate his employment at any time by giving 30 or 60 days' notice of termination to us. If we terminate an executive officer's employment for any reason other than cause, or the executive officer terminates his employment for good reason, the executive officer is entitled to continue to receive his salary for a period of six or twelve months following the termination of his employment provided that he continues to comply with his confidentiality, inventions and non-competition obligations described below.

Each executive officer has agreed not to disclose or use, directly or indirectly, any of our confidential information, including trade secrets and information concerning our finances, employees, technology, processes, facilities, products, suppliers, customers and markets, except in the performance of his duties and responsibilities or as required pursuant to applicable law. Each executive officer has also agreed to disclose in confidence to us all inventions, designs and trade secrets which he may conceive, develop or reduce to practice during his employment and to assign all right, title and interest

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in them to us. Finally, each executive officer has agreed that he will not, directly or indirectly, during and within one year after the termination of his employment:

communicate or have any dealings with our customers or suppliers that would be likely to harm the our business relationship with them;

provide services, whether as a director, officer, employee, independent contractor or otherwise, to a competitor or acquire or hold any interest in, whether as a shareholder, partner or otherwise, in a competitor provided that the executive officer may hold up to 5% of the outstanding shares or other securities of a competitor that is listed on a securities exchange or recognized securities market; and

approach solicit, whether by offer of employment or otherwise, the services of any of our employees.

Our compensation committee is required to approve all employment agreements entered into by us with any employee whose base salary is equal to or greater than \$150,000.

***Director Agreements***

We have entered into director agreements with our independent directors, pursuant to which we make payments in the form of an annual cash retainer, payable quarterly, and quarterly grants of restricted share units to our independent directors for their services. See " B. Compensation of Directors and Executive Officers."

***Indemnification of Directors and Officers***

Under the CBCA and pursuant to our by-laws, we may indemnify any present or former director or officer or an individual who acts or has acted at our request as a director or officer, or an individual acting in a similar capacity, of another corporation or entity, against all costs, charges and expenses, including an amount paid to settle an action or satisfy a judgment, reasonably incurred by such individual in respect of any civil, criminal, administrative, investigative or other proceeding in which the individual is involved because of that association with us or other entity, provided that the director or officer acted honestly and in good faith with a view to our best interests, or, as the case may be, to the best interests of the other entity for which he or she acted as a director or officer or in a similar capacity at our request, and, in the case of a criminal or administrative action or proceeding that is enforced by a monetary penalty, had reasonable grounds for believing that his or her conduct was lawful. Such indemnification may be made in connection with a derivative action only with court approval. A director or officer is entitled to indemnification from us as a matter of right if the court or other competent authority has judged that he or she has not committed any fault or omitted to do anything that the individual ought to have done and fulfilled the conditions set forth above.

We have entered into indemnity agreements with each of our directors agreeing to indemnify them, to the fullest extent permitted by law, against all liability, loss, harm damage cost or expense, reasonably incurred by the director in respect of any threatened, pending, ongoing or completed claim or civil, criminal, administrative, investigative or other action or proceeding made or commenced against him or in which he is or was involved by reason of the fact that he is or was a director of our company.

Our directors and officers are covered by directors' and officers' insurance policies.

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As of December 31, 2013, 2014 and 2015, we had 7,736, 8,673 and 8,969 full-time employees, respectively. The following table sets forth the number of our employees categorized by our areas of operations and as a percentage of our workforce as of December 31, 2015.

|                            | <b>As of December 31, 2015</b> |                            |
|----------------------------|--------------------------------|----------------------------|
|                            | <b>Number of Employees</b>     | <b>Percentage of Total</b> |
| Manufacturing              | 7,182                          | 80.1%                      |
| General and administrative | 952                            | 10.6%                      |
| Research and development   | 202                            | 2.2%                       |
| Sales and marketing        | 633                            | 7.1%                       |
| <b>Total</b>               | <b>8,969</b>                   | <b>100%</b>                |

As of December 31, 2015, we had 2,843 employees at our facilities in Suzhou, 2,912 employees at our facilities in Changshu, 973 employees at our facilities in Luoyang, 414 employees at our facilities in Yancheng, and 1,827 employees based in our facilities and offices in Canada, Japan, Australia, Singapore, South Korea, Hong Kong, India, the Philippines, Indonesia, Vietnam, Brazil, United Arab Emirates, South Africa, the Americas and the EU (which includes Germany, Italy and France). Our employees are not covered by any collective bargaining agreement. We consider our relations with our employees to be good. From time to time, we also employ or engage part-time employees or independent contractors to support our manufacturing, research and development and sales and marketing activities. We plan to hire additional employees as we expand.

**E. Share Ownership**

The following table sets forth information with respect to the beneficial ownership of our common shares as of March 31, 2016, the latest practicable date, by:

each of our directors and executive officers; and

each person known to us to own beneficially more than 5% of our common shares.

The calculations in the table below are based on the 57,437,734 common shares outstanding, as of March 31, 2016.

Beneficial ownership is determined in accordance with the rules and regulations of the SEC. In computing the number of shares beneficially owned by a person and the percentage ownership of that person, we have included shares that the person has the right to acquire within 60 days from March 31, 2016, including through the exercise of any option, warrant or other right or the conversion of any

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other security. These shares, however, are not included in the computation of the percentage ownership of any other person.

|  | Shares Beneficially Owned <sup>(1)</sup> |       |
|--|--|-------|
|  | Number                                   | %     |
| <b>Directors and Executive Officers:<sup>(2)</sup></b> |  |       |
| Shawn (Xiaohua) Qu <sup>(3)</sup>                      | 13,611,336                               | 23.6% |
| Robert McDermott <sup>(4)</sup>                        | 74,900                                   | *     |
| Lars-Eric Johansson <sup>(5)</sup>                     | 51,600                                   | *     |
| Harry E. Ruda <sup>(6)</sup>                           | 23,300                                   | *     |
| Andrew (Luen Cheung) Wong <sup>(7)</sup>               | 880                                      | *     |
| Michael G. Potter <sup>(8)</sup>                       | 123,436                                  | *     |
| Guangchun Zhang <sup>(9)</sup>                         | 20,784                                   | *     |
| Yan Zhuang <sup>(10)</sup>                             | 47,984                                   | *     |
| Arthur (Jian) Chien <sup>(11)</sup>                    |  |       |
| Huifeng Chang <sup>(12)</sup>                          |  |       |
| Jianyi Zhang <sup>(13)</sup>                           |  |       |
| All Directors and Executive Officers as a Group        | 13,954,220                               | 24.1% |
| <b>Principal Shareholders</b>                          |  |       |
| DNB Asset Management AS <sup>(14)</sup>                | 3,270,852                                | 5.7%  |

\*

The person beneficially owns less than 1% of our outstanding shares.

- (1) Beneficial ownership is determined in accordance with Rule 13d-3 of the General Rules and Regulations under the Exchange Act, and includes voting or investment power with respect to the securities.
- (2) The business address of our directors and executive officers is 545 Speedvale Avenue West, Guelph, Ontario, Canada N1K 1E6.
- (3) Includes 13,469,096 common shares directly held by Dr. Shawn Qu and Hanbing Zhang, the wife of Dr. Shawn Qu, 135,891 common shares issuable upon the exercise of options held by Dr. Shawn Qu and Ms. Zhang within 60 days from March 31, 2016, 6,349 shares issuable upon vesting of restricted share units held by Dr. Shawn Qu and Ms. Zhang within 60 days from March 31, 2016.
- (4) Includes 5,000 common shares directly held by Mr. McDermott and 69,900 common shares issuable upon exercise of options held by Mr. McDermott within 60 days from March 31, 2016.
- (5) Includes 5,000 common shares directly held by Mr. Johansson and 46,600 common shares issuable upon exercise of options held by Mr. Johansson within 60 days from March 31, 2016.
- (6) Includes 23,300 common shares issuable upon exercise of options held by Mr. Ruda within 60 days from March 31, 2016.
- (7) Includes 880 shares issuable upon vesting of restricted share units held by Mr. Wong within 60 days from March 31, 2016.
- (8) Includes 58,469 common shares directly held by Mr. Potter, 61,772 common shares issuable upon exercise of options held by Mr. Potter within 60 days from March 31, 2016, and 3,195 shares issuable upon vesting of restricted share units held by Mr. Potter within 60 days from March 31, 2016.
- (9)

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Includes 17,589 common shares directly held by Mr. Zhang and 3,195 common shares issuable upon vesting of restricted shares units held by Mr. Zhang.

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- (10) Includes 21,308 common shares directly held by Mr. Zhuang, 23,300 common shares issuable upon exercise of options held by Mr. Zhuang within 60 days from March 31, 2016, and 3,376 common shares issuable upon vesting of restricted share units held by Mr. Zhuang within 60 days from March 31, 2016.
- (11) No common shares were held or issuable by Mr. Chien within 60 days from March 31, 2016.
- (12) No common shares were held or issuable by Mr. Chang within 60 days from March 31, 2016.
- (13) No common shares were held or issuable by Mr. Zhang within 60 days from March 31, 2016.
- (14) Represents 3,270,852 common shares of our Company held by DNB Asset Management AS, as reported on Schedule 13G filed by DNB Asset Management AS on January 19, 2016. The percentage of beneficial ownership was calculated based on the total number of our common shares as of March 31, 2016. The principal business address of DNB Asset Management AS is Dronning Aufemias Gate 30, Bygg M-12N 0191 Oslo, Norway.

None of our shareholders have different voting rights from other shareholders as of the date of this annual report on Form 20-F. We are currently not aware of any arrangement that may, at a subsequent date, result in a change of control of our company.

**ITEM 7. MAJOR SHAREHOLDERS AND RELATED PARTY TRANSACTIONS**

**A. Major Shareholders**

Please refer to "Item 6. Directors, Senior Management and Employees E. Share Ownership."

**B. Related Party Transactions**

***Guarantees and Loans***

Dr. Shawn Qu, our Chairman, President and Chief Executive Officer, fully guaranteed one-year loan facilities from Chinese commercial banks of RMB1,866 million, RMB888 million and RMB896 million in 2013, 2014 and 2015, respectively. Amounts drawn down from the facilities as at December 31, 2013, 2014 and 2015 were \$30.2 million, \$145.1 million and \$78.2 million, respectively.

Dr. Shawn Qu fully guaranteed a two-year RMB450 million (\$69.3 million) loan facility from Chinese commercial banks in 2015. Amounts drawn down from the facilities as at December 31, 2015 were \$63.1 million.

Dr. Shawn Qu fully guaranteed a three-year \$150 million loan facility from Chinese commercial banks in 2015. No amounts were drawn down from these facilities as at December 31, 2015.

In the first quarter of 2015, Dr. Shawn Qu lent our company a \$35.0 million loan at an interest rate of 4.25%. We fully repaid the loan, including interests in March of 2015. As of December 31, 2015, we had no outstanding borrowings with Dr. Shawn Qu.

In October 2014, CSI Solar Power (China) Inc., our wholly owned subsidiary, guaranteed loan facilities from Chinese banks for GCL-CSI (Suzhou) Photovoltaic Technology Co., Ltd, a company in which we own a 10% interest, which had an aggregate principal amount of RMB37.2 million and were due within three years. As of December 31, 2015, the loan facility was RMB 21.0 million (\$3.2 million) in total due within two years.

Recurrent entered into buyer payment guaranties with a third party supplier in connection with certain solar module supply agreements of Tranquillity and Garland, our 49% owned affiliates, pursuant to which Recurrent unconditionally guarantees to the third party supplier the timely payment in full when due and other payment obligations of Tranquillity and Garland required under the solar module



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supply agreements. As of December 31, 2015, the payable balances due by Tranquillity and Garland was \$98.2 million and nil, respectively.

***Sales and purchase contracts with affiliates***

In 2015, we sold solar power products to Gaochuangte in the amount of RMB39.9 million (\$6.5 million), sold solar power products to Roserock and Garland in the amount of \$28.1 million, provided development services to Tranquillity, Garland, and Roserock in the amount of \$69.7 million.

In 2015, we incurred costs of RMB175.3 million (\$28.2 million) to Gaochuangte for EPC services related to our solar power projects.

***Employment Agreements***

See "Item 6. Directors, Senior Management and Employees C. Board Practices Employment Agreements."

***Share Incentive Plan***

See "Item 6. Directors, Senior Management and Employees B. Compensation of Directors and Executive Officers Share-based Compensation Share Incentive Plan."

**C. Interests of Experts and Counsel**

Not applicable.

**ITEM 8. FINANCIAL INFORMATION**

**A. Consolidated Statements and Other Financial Information**

We have appended audited consolidated financial statements filed as part of this annual report.

***Legal and Administrative Proceedings***

*Class Action Lawsuits*

In January 2015, the plaintiff in a class action lawsuit filed against us and certain of our executive officers in the Ontario Superior Court of Justice obtained an order for class certification in respect of certain claims for which he had obtained leave in September 2014 to assert the statutory cause of action for misrepresentation under the Ontario Securities Act, for certain negligent misrepresentation claims and for oppression remedy claims advanced under the CBCA. The Court dismissed our application for leave to appeal and the class action has moved to the merits stage. We believe the Ontario action is without merit and we are defending it vigorously.

*LDK*

In July 2010, CSI Cells, one of our wholly-owned subsidiaries, filed a request for arbitration against LDK with Shanghai International Economy and Trade Arbitration Commission (formerly known as CIETAC Shanghai Branch) in relation to wafer supply contracts we entered into with LDK in October 2007 (the "2007 Supply Contract") and in June 2008 (the "2008 Supply Contracts"). In December 2012, CIETAC Shanghai Branch awarded RMB248.9 million (\$38.4 million) in compensation plus RMB2.32 million (\$0.4 million) in arbitration expenses to LDK for the damages LDK claimed to have suffered from the alleged breaches by us of the 2007 Supply Contract and 2008 Supply Contracts between July 2009 and September 2010 (the "2012 Arbitral Award").



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In February 2013, LDK filed for enforcement of the 2012 Arbitral Award with Jiangsu Suzhou Intermediate People's Court, or the Suzhou Intermediate Court. In 2013, LDK initiated two separate proceedings against us in Jiangxi Xinyu Intermediate People's Court, or the Xinyu Intermediate Court, claiming that we had forfeited our rights to the initial deposits under the 2007 Supply Contract and 2008 Supply Contracts because of the alleged breaches under these contracts. On October 18, 2013, the Xinyu Intermediate Court stayed these proceedings pending the decision by the Suzhou Intermediate Court as to the 2012 Arbitral Award. On September 9, 2015, the Suzhou Intermediate Court ruled in favor of LDK. On October 19, 2015, we reached a settlement agreement with LDK, or the 2015 Settlement Agreement. Under the 2015 Settlement Agreement, we agreed to pay RMB132.7 million (\$20.8 million) to LDK and to purchase 64.3 million pieces of silicon wafers from LDK at market price over a three year period starting in or around December 2015, in exchange for which LDK (a) would release us from the 2012 Arbitration Award and waive its rights and claims thereunder and (b) would withdraw its complaints from the Xinyu Intermediate Court and terminate such proceedings. The Suzhou Intermediate Court reviewed and approved the 2015 Settlement Agreement and terminated the enforcement proceeding relating to the 2012 Arbitral Award. We have already paid the required amounts and fulfilled our obligations under the 2015 Settlement Agreement.

In March 2014, LDK filed an application for arbitration with CIETAC, seeking compensation and enforcement expenses for damages LDK claimed to have suffered from the alleged breaches under the 2008 Supply Contracts between October 2010 and December 2013. We filed counterclaims against LDK in July 2014. On December 22, 2015, CIETAC ruled to reject both LDK's claims and our counterclaims.

*U.S. Anti-dumping and Countervailing Duty Proceedings*

On October 9, 2012, the U.S. Department of Commerce, or USDOC, issued final affirmative determinations in the anti-dumping and countervailing duty investigations on crystalline silicon photovoltaic, or CSPV, cells, whether or not incorporated into modules, from China. On November 7, 2012, the U.S. International Trade Commission, or USITC, ruled that imports of CSPV cells had caused material injury to the U.S. CSPV industry. As a result of these rulings, we were required to pay cash deposits on Chinese-origin CSPV cells imported into the U.S., whether alone or incorporated into modules. The announced cash deposit rates applicable to us were 13.94% (anti-dumping duty) and 15.24% (countervailing duty). We paid all the cash deposits due under these determinations. A number of parties challenged the determinations of the USDOC and the USITC in appeals to the U.S. Court of International Trade. On August 7, 2015, the U.S. Court of International Trade sustained the USITC's final determination and on December 11, 2015, the U.S. Court of International Trade sustained the USDOC's final determination.

These cash deposit rates were modified on July 14, 2015, when the USDOC published its final results of the 2012-2013 administrative reviews of the anti-dumping and countervailing duty orders on CSPV cells. As a result of these rulings, the cash deposit rates applicable to us were revised to 9.67% (anti-dumping duty) and 20.94% (countervailing duty). The rates at which duties will be assessed and payable for the 2012-2013 period are subject to ongoing litigation at U.S. Court of International Trade. Decisions on these appeals are not expected until late 2016 or 2017.

The rates at which duties will be assessed and payable for the 2013-2014 period and 2014-2015 period are subject to ongoing administrative reviews that are likely to conclude in mid-2016 and mid-2017, respectively. Those reviews may result in duty rates that differ from the announced deposit rates. These duties could materially and adversely affect our affiliated U.S. import operations and increase our cost of selling into the U.S.

On December 31, 2013, the U.S. unit of SolarWorld AG filed a new trade action with the USDOC and the USITC accusing Chinese producers of certain CSPV cells and modules of dumping their

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products into the U.S. and of receiving countervailable subsidies from the Chinese authorities. This trade action also accused Taiwanese producers of certain CSPV cells and modules of dumping their products into the U.S. Excluded from these new actions were those Chinese-origin solar products covered by the 2012 rulings detailed in the prior paragraphs. We were identified as one of a number of Chinese producers exporting subject goods to the U.S. market.

On December 15, 2014, the USDOC issued final affirmative determinations in these anti-dumping and countervailing duty investigations. On January 21, 2015, the USITC ruled that imports of these CSPV products had caused material injury to the U.S. CSPV industry. As a result of these rulings, we are required to pay cash deposits on subject CSPV imports from China. Cash deposit rates for our subject Chinese-origin products were announced as being 30.06% (anti-dumping duty) and 38.43% (countervailing duty). A number of parties have appealed these USDOC and USITC rulings to the U.S. Court of International Trade. Decisions on these appeals are not expected until 2016 or later.

The rates at which duties will be assessed and payable for the 2014-2015 period are subject to ongoing administrative reviews. Those reviews may result in duty rates that differ from the announced deposit rates. These duties could materially and adversely affect our affiliated U.S. import operations and increase our cost of selling into the U.S.

*European Anti-dumping and Anti-Subsidy Investigations*

On September 6, 2012, following a complaint lodged by EU ProSun, an ad-hoc industry association of EU CSPV module, cell and wafer manufacturers, the European Commission initiated an anti-dumping investigation concerning EU imports of CSPV modules and key components (i.e., cells and wafers) originating in China. On November 8, 2012, following a complaint lodged by the same parties, the European Commission initiated an anti-subsidy investigation on these same products. In each investigation, we were identified as one of a number of Chinese exporting producers of these products to the EU market. On December 6, 2013, the EU imposed definitive anti-dumping and countervailing measures on imports of CSPV modules and key components (i.e., cells) originating in or consigned from China. The European Commission accepted our offer for an undertaking agreement, according to which duties were not payable on our products sold into the EU, so long as we respected the terms and conditions of the undertaking, including a volume ceiling and minimum import price arrangement, and until the measures expired or the European Commission withdrew the undertaking agreement.

On February 28, 2014, we filed separate actions with the General Court of the EU for annulment of the regulation imposing the definitive anti-dumping measures and of the regulation imposing the definitive countervailing measures (case T-162/14 and joined cases T-158/14, T-161/14, and T-163/14). These actions for annulment are ongoing.

On June 20, 2014, we filed a request for leave to intervene in two separate actions brought by SolarWorld AG and others before the General Court of the EU for annulment of the undertaking agreement between the European Commission and Chinese exporting producers (cases T-141/14 and T-142/14). On November 28, 2014, we were granted leave to intervene. On February 2, 2015, we filed our observations challenging the admissibility of the actions and rebutting claims that the undertaking agreement violates EU law.

On June 4, 2015, the European Commission withdrew the acceptance of our undertaking offer. On November 23, 2015, we submitted to the General Court of the European Union requests for the withdrawal of our intervention in cases T-141/14 and T-142/14. On February 1, 2016, the General Court of the EU declared both actions brought by SolarWorld AG and others to be inadmissible and accepted our request for the withdrawal of our intervention.

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On December 5, 2015, the European Commission initiated expiry (sunset) reviews of the anti-dumping and countervailing measures on imports of CSPV modules and key components (i.e., cells) originating in or consigned from China. The outcome of the expiry reviews can be only the extension of the measures at their existing level or their termination; the measures cannot be amended. Also on December 5, 2015, the European Commission initiated an interim (changed circumstances) review limited to the question whether cells should be excluded from the scope of the measures. The anti-dumping and countervailing measures on imports of CSPV modules and key components (i.e., cells) originating in or consigned from China will, in any event, remain in force for the duration of the reviews and may subsequently be extended for up to five years. The reviews must be terminated by March 4, 2017.

On December 18, 2015, the European Commission confirmed our status as an interested party in the three review proceedings. We have not requested to be sampled in the expiry reviews and the European Commission does not intend to apply sampling in the interim review.

*Canadian Anti-dumping and Countervailing Duties Investigation*

On June 3, 2015, the Canada Border Services Agency, or CBSA, released final determinations of dumping and subsidization which found dumping calculated by way of a Ministerial Specification based on a Non Market Economy finding applicable to all cooperative exporters and ascertained a Canadian Solar-specific subsidies rate of RMB0.014 per Watt. On July 3, 2015 the Canadian International Trade Tribunal determined that a Canadian industry was not negatively affected as a result of imported modules but was threatened with negative impact. As a result of these findings, definitive duties have been imposed on imports of Chinese Solar Modules into Canada starting on July 3, 2015. We do not believe the imposition of these duties will have a material negative effect upon our results of operations because we have significant module manufacturing capacity in Ontario and do not rely on Chinese solar modules to serve our Canadian business.

*Dividend Policy*

We have never declared or paid any dividends on our common shares, nor do we have any present plan to declare or pay any dividends on our common shares in the foreseeable future. We currently intend to retain our available funds and any future earnings to operate and expand our business.

Our board of directors has complete discretion on whether to pay dividends, subject only to the requirements of the CBCA. Even if our board of directors decides to pay dividends, the form, frequency and amount will depend upon our future operations, earnings, capital requirements, surplus, general financial condition, contractual restrictions, and other factors that our board of directors may deem relevant.

**B. Significant Changes**

Between January 1, 2016 and March 31, 2016, an additional 4,132 restricted share units granted under the Plan vested.

Except as described above, we have not experienced any significant changes since the date of our audited consolidated financial statements included in this annual report.

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Our common shares have been listed on the Nasdaq under the symbol "CSIQ" since November 9, 2006. The following table sets forth the high and low trading prices for our common shares on the Nasdaq for the periods indicated.

|                                 | Trading Price |       |
|---------------------------------|---------------|-------|
|                                 | High          | Low   |
|                                 | \$            | \$    |
| <b>Annual Highs and Lows</b>    |               |       |
| 2011                            | 16.79         | 2.07  |
| 2012                            | 4.74          | 1.95  |
| 2013                            | 33.25         | 3.12  |
| 2014                            | 44.50         | 20.64 |
| 2015                            | 40.08         | 14.16 |
| <b>Quarterly Highs and Lows</b> |               |       |
| First Quarter 2014              | 44.50         | 29.52 |
| Second Quarter 2014             | 34.38         | 21.38 |
| Third Quarter 2014              | 41.12         | 23.20 |
| Fourth Quarter 2014             | 35.79         | 20.64 |
| First Quarter 2015              | 36.40         | 18.68 |
| Second Quarter 2015             | 40.08         | 27.60 |
| Third Quarter 2015              | 29.30         | 14.16 |
| Fourth Quarter 2015             | 29.83         | 16.05 |
| First Quarter 2016              | 28.80         | 15.62 |
| <b>Monthly Highs and Lows</b>   |               |       |
| <b>2015</b>                     |               |       |
| October                         | 22.75         | 16.05 |
| November                        | 24.88         | 20.09 |
| December                        | 29.83         | 22.54 |
| <b>2016</b>                     |               |       |
| January                         | 28.80         | 16.81 |
| February                        | 23.15         | 15.62 |
| March                           | 23.56         | 17.95 |
| April (through April 19)        | 19.32         | 17.02 |

**B. Plan of Distribution**

Not applicable.

**C. Markets**

Our common shares have been listed on the Nasdaq since November 9, 2006 under the symbol "CSIQ."

**D. Selling Shareholders**

Not applicable.

**E. Dilution**

Not applicable.

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**F. Expenses of the Issue**

Not applicable.

**ITEM 10. *ADDITIONAL INFORMATION***

**A. Share Capital**

Not applicable.

**B. Memorandum and Articles of Association**

We incorporate by reference into this annual report the description of our Amended Articles of Continuance, as amended, contained in our F-1 registration statement (File No. 333-138144), as amended, initially filed with the SEC on October 23, 2006.

**C. Material Contracts**

We have not entered into any material contracts other than in the ordinary course of business and other than those described in "Item 4. Information on the Company" or elsewhere in this annual report on Form 20-F.

**D. Exchange Controls**

See "Item 4. Information on the Company B. Business Overview Government Regulations Foreign Currency Exchange" and "Item 4. Information on the Company B. Business Overview Government Regulations Dividend Distribution."

**E. Taxation**

***Principal Canadian Federal Tax Considerations***

*General*

The following is a summary of the principal Canadian federal income tax implications generally applicable to a U.S. Holder (defined below), who holds or acquires our common shares, or the Common Shares, and who, at all relevant times, for purposes of the Income Tax Act (Canada), or the Canadian Tax Act, (i) is the beneficial owner of such Common Shares; (ii) has not been, is not and will not be resident (or deemed to be resident) in Canada at any time while such U.S. Holder has held or holds the Common Shares; (iii) holds the Common Shares as capital property; (iv) deals at arm's length with and is not affiliated with us; (v) does not use or hold, and is not deemed to use or hold, the Common Shares in the course of carrying on a business in Canada, (vi) is not part of a transaction or event or series of transactions or events that includes the acquisition or holding of Common Shares so as to cause the foreign affiliate dumping rules in section 212.3 of the Canadian Tax Act to apply; (vii) is not a "specified shareholder" of us as defined subsection 18(5) of the Canadian Tax Act; (viii) is not a financial institution, specified financial institution partnership or trust as defined in the Canadian Tax Act; (ix) is a resident of the United States for purposes of the Canada United States Income Tax Convention (1980), or the Convention, and is fully entitled to the benefits of the Convention, or a U.S. Holder; and (x) has not, does not and will not have a fixed base or permanent establishment in Canada within the meaning of the Convention at any time when such U.S. Holder has held or holds the Common Shares. Special rules that are not addressed in this summary may apply to a U.S. Holder that is an insurer that carries on, or is deemed to carry on, an insurance business in Canada and elsewhere or that is an authorized foreign bank as defined in the Canadian Tax Act and such U.S. Holders should consult their own tax advisers.

This summary assumes that we are a resident of Canada for the purposes of the Canadian Tax Act. Should it be determined that we are not a resident of Canada for the purposes of the Canadian Tax Act by virtue of being resident in another country (such as the PRC) by virtue of the application of an

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income tax convention between Canada and that other country, the Canadian income tax consequences to a U.S. Holder will differ from those described herein and U.S. Holders should consult their own tax advisors.

This summary is based on the current provisions of the Canadian Tax Act, and the regulations thereunder, the Convention, and our counsel's understanding of the published administrative practices and policies of the Canada Revenue Agency, all in effect as of the date of this annual report on Form 20-F. This summary takes into account all specific proposals to amend the Canadian Tax Act or the regulations thereunder publicly announced by or on behalf of the Minister of Finance (Canada) prior to the date of this annual report on Form 20-F. No assurances can be given that such proposed amendments will be enacted in the form proposed, or at all. This is not an exhaustive summary of all potential Canadian federal income tax consequences to a U.S. Holder and this summary does not take into account or anticipate any other changes in law or administrative practices, whether by judicial, governmental or legislative action or decision, nor does it take into account provincial, territorial or foreign tax legislation or considerations, which may differ from the Canadian federal income tax considerations described herein.

The Canadian federal income tax consequences of purchasing, owning and disposing of common shares will depend on each U.S. Holder's particular situation. This summary is not intended to be a complete analysis of or description of all potential Canadian federal income tax consequences, and should not be construed to be, legal, business or tax advice directed at any particular U.S. Holder or prospective purchaser of common shares. Accordingly, U.S. Holders or prospective purchasers of common shares should consult their own tax advisors for advice with respect to the Canadian federal income tax consequences of an investment in common shares based on their own particular circumstances.

*Dividends*

Amounts paid or credited, or deemed under the Canadian Tax Act to be paid or credited, on account or in lieu of payment of, or in satisfaction of, dividends to a U.S. Holder that has provided the requisite documentation regarding its entitlement to benefits under the Convention will be subject to Canadian non-resident withholding tax at the reduced rate of 15% under the Convention. This rate is further reduced to 5% in the case of a U.S. Holder that is a company for purposes of the Convention that owns at least 10% of our voting shares at the time the dividend is paid or deemed to be paid.

*Disposition of Our Common Shares*

A U.S. Holder will not be subject to income tax under the Canadian Tax Act in respect of any capital gain realized on a disposition or deemed disposition of its Common Shares unless, at the time of disposition, the Common Shares constitute "taxable Canadian property" of the U.S. Holder for the purposes of the Canadian Tax Act and the U.S. Holder is not otherwise entitled to an exemption under the Convention.

Generally, a Common Share owned by a U.S. Holder will not be taxable Canadian property of the U.S. Holder at a particular time provided that, at that time, the common shares of our company are listed on a designated stock exchange (which currently includes the Nasdaq), unless at any time in the previous 60 month period:

the U.S. Holder and persons with whom the U.S. Holder does not deal at arm's length alone or in any combination has owned 25% or more of the shares of any class or series of shares in the capital of our company, and

more than 50% of the fair market value of the Common Shares is derived directly or indirectly from one or any combination of real or immovable property situated in Canada, Canadian resource properties, timber resource properties, and options in respect of, or interest in or rights in any such properties, whether or not such property exists; or

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the Common Shares are otherwise deemed under the Canadian Tax Act to be taxable Canadian property.

U.S. Holders for whom the Common Shares are, or may be, taxable Canadian property should consult their own tax advisors.

#### *Canada United States Income Tax Convention*

The Fifth Protocol to the Convention which came into force on December 15, 2008 includes significant amendments to the limitation on benefits provision in the Convention. U.S. Holders are urged to consult their own tax advisors to determine their entitlement to benefits under the Convention.

#### *United States Federal Income Taxation*

The following discussion describes the material United States federal income tax consequences to a United States Holder (as defined below), under current law, of an investment in our common shares. This discussion is based on the federal income tax laws of the United States as of the date of this annual report on Form 20-F, including the United States Internal Revenue Code of 1986, as amended, or the Code, existing and proposed Treasury Regulations promulgated thereunder, judicial authority, published administrative positions of the United States Internal Revenue Service, or IRS, and other applicable authorities, all as of the date of this annual report on Form 20-F. All of the foregoing authorities are subject to change, which change could apply retroactively and could significantly affect the tax consequences described below. We have not sought any ruling from the IRS with respect to the statements made and the conclusions reached in the following discussion and there can be no assurance that the IRS or a court will agree with our statements and conclusions.

This discussion applies only to a United States Holder (as defined below) that holds common shares as capital assets for United States federal income tax purposes (generally, property held for investment). The discussion neither addresses the tax consequences to any particular investor nor describes all of the tax consequences applicable to persons in special tax situations such as:

banks;

certain other financial institutions;

insurance companies;

regulated investment companies;

real estate investment trusts;

brokers or dealers in stocks and securities, or currencies;

persons who use or are required to use a mark-to-market method of accounting;

certain former citizens or residents of the United States subject to Section 877 of the Code;

entities subject to the United States anti-inversion rules;

tax-exempt organizations and entities;

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persons subject to the alternative minimum tax provisions of the Code;

persons whose functional currency is other than the United States dollar;

persons holding common shares as part of a straddle, hedging, conversion or integrated transaction;

persons that actually or constructively own 10% or more of the total combined voting power of all classes of our voting stock;



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persons who acquired common shares pursuant to the exercise of an employee stock option or otherwise as compensation;

partnerships or other pass-through entities, or persons holding common shares through such entities.

If a partnership (including an entity or arrangement treated as a partnership for United States federal income tax purposes) holds the common shares, the tax treatment of a partner in the partnership generally will depend upon the status of the partner and the activities of the partnership. A partnership or partner in a partnership holding common shares should consult its own tax advisors regarding the tax consequences of investing in and holding the common shares.

In addition, the discussion below does not describe any tax consequences arising in respect of the "Foreign Account Compliance Act," or FACTA, regime.

**THE FOLLOWING DISCUSSION IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT A SUBSTITUTE FOR CAREFUL TAX PLANNING AND ADVICE. HOLDERS SHOULD CONSULT THEIR OWN TAX ADVISORS WITH RESPECT TO THE APPLICATION OF THE UNITED STATES FEDERAL INCOME TAX LAWS TO THEIR PARTICULAR SITUATIONS, AS WELL AS ANY TAX CONSEQUENCES ARISING UNDER THE FEDERAL ESTATE OR GIFT TAX LAWS OR THE LAWS OF ANY STATE, LOCAL OR NON-UNITED STATES TAXING JURISDICTION OR UNDER ANY APPLICABLE TAX TREATY.**

For purposes of the discussion below, a "United States Holder" is a beneficial owner of the common shares that is, for United States federal income tax purposes:

an individual who is a citizen or resident of the United States;

a corporation (or other entity treated as a corporation for United States federal income tax purposes) created or organized in or under the laws of the United States, any state thereof or the District of Columbia;

an estate, the income of which is subject to United States federal income taxation regardless of its source; or

a trust, if (i) a court within the United States is able to exercise primary jurisdiction over its administration and one or more United States persons have the authority to control all of its substantial decisions or (ii) in the case of a trust that was treated as a domestic trust under the law in effect before 1997, a valid election is in place under applicable Treasury Regulations to treat such trust as a domestic trust.

*Dividends and Other Distributions on the Common Shares*

Subject to the passive foreign investment company rules discussed below, the gross amount of any distribution that we make to you with respect to the common shares (including any amounts withheld to reflect Canadian or PRC withholding taxes) will be taxable as a dividend, to the extent paid out of our current or accumulated earnings and profits, as determined under United States federal income tax principles. Such income (including any withheld taxes) will be includable in your gross income on the day actually or constructively received by you. Because we do not intend to determine our earnings and profits on the basis of United States federal income tax principles, any distribution paid generally will be reported as a "dividend" for United States federal income tax purposes. Such dividends will not be eligible for the dividends-received deduction allowed to qualifying corporations under the Code.

Dividends received by a non-corporate United States Holder may qualify for the lower rates of tax applicable to "qualified dividend income," if the dividends are paid by a "qualified foreign corporation" and other conditions discussed below are met. A non-United States corporation is treated as a qualified foreign corporation (a) with respect to dividends paid by that corporation on shares that are readily tradable on an established securities market in the United States or (b) if such non-United States

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corporation is eligible for the benefits of a qualifying income tax treaty with the United States that includes an exchange of information program. Under a published IRS Notice, common shares are considered to be readily tradable on an established securities market in the United States if they are listed on the Nasdaq Global Market, as our common shares are. In addition, we may be eligible for the benefits of the income tax treaty between the United States and Canada, or, if we are treated as a PRC resident enterprise under the PRC tax law (see " People's Republic of China Taxation") then we may be eligible for the benefits of the income tax treaty between the United States and the PRC, and if we are eligible for the benefits of such tax treaty, then dividends that we pay on our common shares would, subject to applicable limitations, be eligible for the reduced rates of taxation. However, we will not be treated as a qualified foreign corporation if we are a passive foreign investment company in the taxable year in which the dividend is paid or the preceding taxable year.

Even if dividends would be treated as paid by a qualified foreign corporation, a non-corporate United States Holder will not be eligible for reduced rates of taxation if it does not hold our common shares for more than 60 days during the 121-day period beginning 60 days before the ex-dividend date or if the United States Holder elects to treat the dividend income as "investment income" pursuant to Section 163(d)(4) of the Code. In addition, the rate reduction will not apply to dividends of a qualified foreign corporation if the non-corporate United States Holder receiving the dividend is obligated to make related payments with respect to positions in substantially similar or related property.

You should consult your own tax advisors regarding the availability of the lower tax rates applicable to qualified dividend income for any dividends that we pay with respect to the common shares, as well as the effect of any change in applicable law after the date of this annual report on Form 20-F.

Any Canadian or PRC withholding taxes imposed on dividends paid to you with respect to the common shares generally will be treated as foreign taxes eligible for credit against your United States federal income tax liability, subject to the various limitations and disallowance rules that apply to foreign tax credits generally. For purposes of calculating the foreign tax credit, dividends paid to you with respect to the common shares will be treated as income from sources outside the United States and generally will constitute passive category income. The rules relating to the determination of the foreign tax credit are complex, and you should consult your tax advisors regarding the availability of a foreign tax credit in your particular circumstances.

The amount of any dividend paid in currency other than the United States dollar will be the dividend's United States dollar value calculated by reference to the exchange rate in effect on the date of receipt, regardless of whether the payment is in fact converted into United States dollars. A United States Holder may have foreign currency gain or loss, which will be ordinary gain or loss, if any dividend is converted into United States dollars after the date of receipt.

*Disposition of Common Shares*

You will recognize gain or loss on a sale or exchange of the common shares in an amount equal to the difference between the amount realized on the sale or exchange and your tax basis in the common shares. Subject to the discussion under " Passive Foreign Investment Company" below, such gain or loss generally will be capital gain or loss. Capital gains of a non-corporate United States Holder, including an individual that has held the common share for more than one year, currently are eligible for reduced tax rates. The deductibility of capital losses is subject to limitations.

Any gain or loss that you recognize on a disposition of the common shares generally will be treated as United States-source income or loss for foreign tax credit limitation purposes. However, if we are treated as a PRC resident enterprise for PRC tax purposes and PRC tax is imposed on gain from the disposition of the common shares (see " People's Republic of China Taxation") then a United States Holder that is eligible for the benefits of the income tax treaty between the United States and the PRC may elect to treat the gain as PRC-source income for foreign tax credit purposes.

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If such an election is made, the gain so treated will be treated as a separate class or "basket" of income for foreign tax credit purposes. You should consult your tax advisors regarding the proper treatment of gain or loss, as well as the availability of a foreign tax credit, in your particular circumstances.

A United States Holder that receives currency other than the United States dollar upon the sale or other disposition of common shares will realize an amount equal to the United States dollar value of the foreign currency on the date of such sale or other disposition or, if the common shares are traded on an established securities market, in the case of cash basis and electing accrual basis taxpayers, the settlement date. If a United States Holder is not able to treat the settlement date as the realization date, the United States Holder will recognize currency gain or loss if the United States dollar value of the currency received on the settlement date differs from the amount realized. A United States Holder will have a tax basis in the currency received equal to the United States dollar amount at the spot rate on the settlement date. Generally, any gain or loss realized by a United States Holder on a subsequent conversion or disposition of such currency will be United States source ordinary income or loss.

*Passive Foreign Investment Company*

Based on the current value of our assets and the composition of our income and assets, we do not believe we were a passive foreign investment company, or PFIC, for United States federal income purposes for our taxable year ended December 31, 2015. The structuring of the Yieldco IPO is not complete and our PFIC status for 2016 or any future taxable year may depend, in part, on the manner in which we operate our current and future solar power projects assets. Therefore, we currently cannot express a view as to whether we will be a PFIC for the current taxable year ending December 31, 2016 or any future taxable year, even though we will use reasonable efforts to structure the Yieldco IPO and operate our current and future solar power projects to mitigate the risk that we will be a PFIC for the current taxable year ending December 31, 2016. The determination of PFIC status is based on an annual determination that cannot be made until the close of a taxable year, involves extensive factual investigation, including ascertaining the fair market value of all of our assets on a quarterly basis and the character of each item of income that we earn, and is subject to uncertainty in several respects. In particular, the application of the PFIC rules to certain of our business lines is complex and unclear, and we cannot guarantee that the United States Internal Revenue Service, or IRS, will agree with any positions that we ultimately take. Accordingly, we cannot assure you that we will not be treated as a PFIC for any taxable year or that the IRS will not take a contrary position.

A non-United States corporation such as ourselves will be treated as a PFIC for United States federal income tax purposes for any taxable year if, applying applicable look-through rules, either:

at least 75% of its gross income for such year is passive income; or

at least 50% of the value of its assets (determined based on a quarterly average) during such year is attributable to assets that produce or are held for the production of passive income.

We will be treated as owning a proportionate share of the assets and earning a proportionate share of the income of any other corporation in which we own, directly or indirectly, more than 25% by value of the stock.

The determination of whether we will be a PFIC for any taxable year also may depend in part upon the value of our goodwill and other unbooked intangibles not reflected on our balance sheet (which may be determined based upon the market value of the common shares from time to time, which may be volatile). Among other matters, if our market capitalization is less than anticipated or subsequently declines, we may become a PFIC for the current or future taxable years if our liquid assets and cash (which are for this purpose considered assets that produce passive income) then represent a greater percentage of our overall assets. Further, while we believe our classification methodology and valuation approach (including, if relevant, any approach taken with respect to our

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market capitalization) is reasonable, it is possible that the IRS may challenge our classification or valuation of our goodwill and other unbooked intangibles.

If we are a PFIC for any taxable year (which we are currently unable to determine) during which you hold common shares, we will continue to be treated as a PFIC with respect to you for all succeeding years during which you hold common shares, unless we were to cease to be a PFIC and you make a "deemed sale" election with respect to the common shares. If such election is made, you will be deemed to have sold the common shares you hold at their fair market value and any gain from such deemed sale would be subject to the rules described in the following two paragraphs. After the deemed sale election, so long as we do not become a PFIC in a subsequent taxable year, your common shares with respect to which such election was made will not be treated as shares in a PFIC and, as a result, you will not be subject to the rules described below with respect to any "excess distribution" you receive from us or any gain from an actual sale or other disposition of the common shares. You are strongly urged to consult your tax advisors as to the possibility and consequences of making a deemed sale election if we are and then cease to be a PFIC and such an election becomes available to you.

If we are a PFIC for any taxable year (which we are currently unable to determine) during which you hold common shares, then, unless you make a "mark-to-market" election (as discussed below), you generally will be subject to special and adverse tax rules with respect to any "excess distribution" that you receive from us and any gain that you recognize from a sale or other disposition, including a pledge, of the common shares. For this purpose, distributions that you receive in a taxable year that are greater than 125% of the average annual distributions that you received during the shorter of the three preceding taxable years or your holding period for the common shares will be treated as an excess distribution. Under these rules:

the excess distribution or recognized gain will be allocated ratably over your holding period for the common shares;

the amount of the excess distribution or recognized gain allocated to the taxable year of distribution or gain, and to any taxable years in your holding period prior to the first taxable year in which we were treated as a PFIC, will be treated as ordinary income; and

the amount of the excess distribution or recognized gain allocated to each other taxable year will be subject to the highest tax rate in effect for individuals or corporations, as applicable, for each such year and the resulting tax will be subject to the interest charge generally applicable to underpayments of tax.

If we are a PFIC for any taxable year (which we are currently unable to determine) during which you hold common shares and any of our non-United States subsidiaries or other corporate entities in which we directly or indirectly own equity interests is also a PFIC, you would be treated as owning a proportionate amount (by value) of the shares of each such non-United States entity classified as a PFIC (each such entity, a lower-tier PFIC) for purposes of the application of these rules. You should consult your own tax advisor regarding the application of the PFIC rules to any of our lower tier PFICs.

If we are a PFIC for any taxable year (which we are currently unable to determine) during which you hold common shares, then in lieu of being subject to the tax and interest-charge rules discussed above, you may make an election to include gain on the common shares as ordinary income under a mark-to-market method, provided that the common shares constitute "marketable stock." Marketable stock is stock that is regularly traded on a qualified exchange or other market, as defined in applicable Treasury regulations. Our common shares are listed on the Nasdaq Global Market, which is a qualified exchange or other market for these purposes. Consequently, as long as the common shares are regularly traded, and you are a holder of common shares, we expect that the mark-to-market election would be available to you, but no assurances are given in this regard.

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Because a mark-to-market election cannot be made for any lower-tier PFICs that we may own, if we were a PFIC for any taxable year, a United States Holder that makes the mark-to-market election may continue to be subject to the tax and interest charges under the general PFIC rules with respect to such United States Holder's indirect interest in any investments held by us that are treated as an equity interest in a PFIC for United States federal income tax purposes.

In certain circumstances, a shareholder in a PFIC may avoid the adverse tax and interest-charge regime described above by making a "qualified electing fund" election to include in income its share of the corporation's income on a current basis. However, you may make a qualified electing fund election with respect to your common shares only if we agree to furnish you annually with a PFIC annual information statement as specified in the applicable Treasury regulations. We currently do not intend to prepare or provide the information that would enable you to make a qualified electing fund election.

A United States Holder that holds the common shares in any year in which we are classified as a PFIC will be required to file an annual report containing such information as the United States Treasury Department may require. You should consult your own tax advisor regarding the application of the PFIC rules to your ownership and disposition of the common shares and the availability, application and consequences of the elections discussed above.

*Information Reporting and Backup Withholding*

Information reporting to the IRS and backup withholding generally will apply to dividends in respect of our common shares, and the proceeds from the sale or exchange of our common shares, that are paid to you within the United States (and in certain cases, outside the United States), unless you furnish a correct taxpayer identification number and make any other required certification, generally on IRS Form W-9 or you otherwise establish an exemption from information reporting and backup withholding. Backup withholding is not an additional tax. Amounts withheld as backup withholding generally are allowed as a credit against your United States federal income tax liability, and you may be entitled to obtain a refund of any excess amounts withheld under the backup withholding rules if you file an appropriate claim for refund with the IRS and furnish any required information in a timely manner.

United States Holders should consult their tax advisors regarding the application of the information reporting and backup withholding rules.

*Information with Respect to Foreign Financial Assets*

United States Holders who are individuals generally will be required to report our name, address and such information relating to an interest in the common shares as is necessary to identify the class or issue of which your common shares are a part. These requirements are subject to exceptions, including an exception for common shares held in accounts maintained by certain financial institutions and an exception applicable if the aggregate value of all "specified foreign financial assets" (as defined in the Code) does not exceed \$50,000.

United States Holders should consult their tax advisors regarding the application of these information reporting rules.

*Medicare Tax*

Certain United States Holders that are individuals, estates or trusts are required to pay an additional 3.8% tax on, among other things, dividends and gains from the sale or other disposition of capital assets for taxable years beginning after December 31, 2012. United States Holders that are individuals, estates or trusts should consult their tax advisors regarding the effect, if any, of this tax provision on their ownership and disposition of common shares.

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**People's Republic of China Taxation**

Under the EIT Law, which took effect as of January 1, 2008, enterprises established under the laws of non-PRC jurisdictions but whose "de facto management body" is located in China are considered "resident enterprises" for PRC tax purposes. Under the implementation regulations issued by the State Council relating to the EIT Law, "de facto management bodies" are defined as the bodies that have material and overall management and control over the business, personnel, accounts and properties of an enterprise. The Circular on Identification of China-controlled Overseas-registered Enterprises as Resident Enterprises on the Basis of Actual Management Organization, or Circular 82, further provides certain specific criteria for determining whether the "de facto management body" of a PRC-controlled offshore incorporated enterprise is located in the PRC. The criteria include whether (a) the premises where the senior management and the senior management bodies responsible for the routine production and business management of the enterprise perform their functions are mainly located within the PRC, (b) decisions relating to the enterprise's financial and human resource matters are made or subject to approval by organizations or personnel in the PRC, (c) the enterprise's primary assets, accounting books and records, company seals, and board and shareholders' meeting minutes are located or maintained in the PRC and (d) 50% or more of voting board members or senior executives of the enterprise habitually reside in the PRC. Although the Circular 82 only applies to offshore enterprises controlled by enterprises or enterprise group located within the PRC, the determining criteria set forth in the Circular 82 may reflect the tax authorities' general position on how the "de facto management body" test may be applied in determining the tax resident status of offshore enterprises. As the tax resident status of an enterprise is subject to the determination by the PRC tax authorities, uncertainties remain with respect to the interpretation of the term "de facto management body" as applicable to us. Most of our management are currently based in China, and may remain in China in the future. If we are treated as a "resident enterprise" for PRC tax purposes, we will be subject to PRC income tax on our worldwide income at a uniform tax rate of 25%, but dividends received by us from our PRC subsidiaries may be exempt from the income tax.

Under the EIT Law and its implementation regulations, dividends paid to a non-PRC investor are generally subject to a 10% PRC withholding tax, if such dividends are derived from sources within China and the non-PRC investor is considered to be a non-resident enterprise without any establishment or place within China or if the dividends paid have no connection with the non-PRC investor's establishment or place within China, unless such tax is eliminated or reduced under an applicable tax treaty. Similarly, any gain realized on the transfer of shares or convertible notes by such investor is also subject to a 10% PRC withholding tax if such gain is regarded as income derived from sources within China, unless such tax is eliminated or reduced under an applicable tax treaty.

The implementation regulations of the EIT Law provide that (a) if the enterprise that distributes dividends is domiciled in the PRC, or (b) if gains are realized from transferring equity interests of enterprises domiciled in the PRC, then such dividends or capital gains shall be treated as China-sourced income. Currently there are no detailed rules applicable to us that govern the procedures and specific criteria for determining the meaning of being "domiciled" in the PRC. As such, it is not clear how the concept of domicile will be interpreted under the EIT Law. Domicile may be interpreted as the jurisdiction where the enterprise is incorporated or where the enterprise is a tax resident.

As a result, if we are considered a PRC "resident enterprise" for tax purpose, it is possible that the dividends we pay with respect to our common shares to non-PRC enterprises, or the gain non-PRC enterprises may realize from the transfer of our common shares or our convertible notes, would be treated as income derived from sources within China and be subject to the PRC withholding tax at a rate of 10% or a lower applicable treaty rate for enterprises.

Under the IIT Law, individual income tax is payable on PRC-source dividend income. The implementation regulations of the IIT Law provide that income from dividends derived from companies, enterprises and other economic organizations in China as well as income realized from

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transfer of properties in China is considered derived from sources inside China, regardless of whether the place of payment was inside China. Therefore, if we are treated as a company in China for tax purposes, any dividends we pay to our non-PRC individual shareholders as well as any gains realized by our non-PRC individual shareholders or our non-PRC individual note holders from the transfer of our common shares or our convertible notes may be regarded as China-sourced income and, consequently, be subject to PRC withholding tax at a rate of up to 20% or a lower applicable treaty rate for individuals.

**F. Dividends and Paying Agents**

Not applicable.

**G. Statement by Experts**

Not applicable.

**H. Documents on Display**

We previously filed with the SEC our registration statements on Form F-1 (File Number 333-138144), initially filed on October 23, 2006, registration statements on Form F-3 (File Number 333-189895), initially filed on July 11, 2013, and registration statements on Form F-3 (File Number 333-208828), initially filed on January 4, 2016.

We are subject to the periodic reporting and other informational requirements of the Exchange Act. Under the Exchange Act, we are required to file reports and other information with the SEC. Specifically, we are required to file annually a Form 20-F within four months after the end of each fiscal year for fiscal years ending on or after December 15, 2011. Copies of reports and other information, when so filed, may be inspected without charge and may be obtained at prescribed rates at the public reference facilities maintained by the Securities and Exchange Commission at 100 F Street, N.E., Room 1580, Washington, D.C. 20549. The public may obtain information regarding the Washington, D.C. Public Reference Room by calling the Commission at 1-800-SEC-0330. The SEC also maintains a web site at [www.sec.gov](http://www.sec.gov) that contains reports, proxy and information statements, and other information regarding registrants that make electronic filings with the SEC using its EDGAR system. As a foreign private issuer, we are exempt from the rules under the Exchange Act prescribing the furnishing and content of quarterly reports and proxy statements, and officers, directors and principal shareholders are exempt from the reporting and short-swing profit recovery provisions contained in Section 16 of the Exchange Act.

Our financial statements have been prepared in accordance with U.S. GAAP.

We will furnish our shareholders with annual reports, which will include a review of operations and annual audited consolidated financial statements prepared in conformity with U.S. GAAP.

**I. Subsidiary Information**

For a listing of our subsidiaries, see "Item 4. Information on the Company C. Organizational Structure."

**ITEM 11. *QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK***

***Foreign Exchange Risk***

The majority of our sales in 2015 are denominated in U.S. dollars, Canadian dollars and Japanese yen, with the remainder in other currencies such as Renminbi, Euros and Australian dollars, while a substantial portion of our costs and expenses is denominated in Renminbi and U.S. dollars. From time to time, we enter into loan arrangements with Chinese commercial banks that are denominated primarily in Renminbi or U.S. dollars. Most of our cash and cash equivalents and restricted cash are

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denominated in Renminbi. Therefore, fluctuations in currency exchange rates could have a significant impact on our financial stability. Fluctuations in exchange rates, particularly between the U.S. dollar, Euro, Renminbi, Canadian dollar and Japanese yen, may result in fluctuations in foreign exchange gains or losses. As of December 31, 2015, we held \$426.8 million in accounts receivable, of which \$63.4 million were denominated in Japanese yen. Had we converted all Japanese yen denominated accounts receivable into Japanese yen at Japanese yen 120.27 for \$1.00, the noon buying rate as of December 31, 2015, our Japanese yen denominated accounts receivable would have been Japanese yen 7,635.8 million as of December 31, 2015. Assuming the Japanese yen depreciates by a rate of 10.0% to an exchange rate of Japanese yen 132.297 for \$1.00, we would record a loss in fair value of accounts receivable of \$5.7 million.

Since 2008, we have hedged part of our foreign currency exposures against the U.S. dollar using foreign currency forward or option contracts in order to limit our exposure to fluctuations in foreign exchange rates. We incurred a gain on change in foreign currency derivatives of \$10.8 million in 2013, a gain on change in foreign currency derivatives of \$19.7 million in 2014 and a loss on change in foreign currency derivatives of \$3.7 million in 2015. The gains or losses on change in foreign currency derivatives are related to our hedging program. We incurred a foreign exchange loss of \$51.5 million and \$32.2 million in 2013 and 2014, respectively, and we recorded a foreign exchange gain of \$22.9 million in 2015. We cannot predict the impact of future exchange rate fluctuations on our results of operations and may incur net foreign currency losses in the future.

As of December 31, 2015, we had forward contracts of the U.S. dollar against the Renminbi with notional amount of \$86.0 million outstanding. Assuming a 10.0% appreciation of the U.S. dollar against the Renminbi, the mark-to-market gain of our outstanding forward contracts of the U.S. dollar against the Renminbi would have decreased by approximately \$8.6 million.

Our financial statements are expressed in U.S. dollars, while some of our subsidiaries use different functional currencies, such as the Renminbi, Euro, Canadian dollar and Japanese yen. The value of your investment in our common shares will be affected by the foreign exchange rate between the U.S. dollar and other currencies used by our subsidiaries. To the extent we hold assets denominated in currencies other than U.S. dollars, any appreciation of such currencies against the U.S. dollars will likely result in an exchange gain while any depreciation will likely result in an exchange loss when we convert the value of these assets into U.S. dollar equivalent amounts. On the other hand, to the extent we have liabilities denominated in currencies other than U.S. dollars, any appreciation of such currencies against the U.S. dollar will likely result in an exchange loss while any depreciation will likely result in an exchange gain when we convert the value of these liabilities into U.S. dollar equivalent amounts. These and other effects on our financial conditions resulting from the unfavorable changes in foreign currency exchange rates could have a material adverse effect on the market price of our common shares, the dividends we may pay in the future, and your investment.

***Interest Rate Risk***

Our exposure to interest rate risk primarily relates to interest expense under our short-term and long-term bank borrowings, as well as interest income generated by excess cash invested in demand deposits and liquid investments with original maturities of three months or less. Such interest-earning instruments carry a degree of interest rate risk. We used derivative financial instruments to manage some of our interest risk exposure. We have not been exposed nor do we anticipate being exposed to material risks due to changes in interest rates. However, our future interest expense may increase due to changes in market interest rates.

**ITEM 12. DESCRIPTION OF SECURITIES OTHER THAN EQUITY SECURITIES**

Not applicable.



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**PART II**

**ITEM 13. *DEFAULTS, DIVIDEND ARREARAGES AND DELINQUENCIES***

None of these events occurred in any of the years ended December 31, 2013, 2014 and 2015.

**ITEM 14. *MATERIAL MODIFICATIONS TO THE RIGHTS OF SECURITY HOLDERS AND USE OF PROCEEDS***

The following "use of proceeds" information relates to the registration statement on Form F-3 (File number: 333-208828) for our registration of common shares, preferred shares and warrants for a maximum aggregate offering price of \$100 million. This registration statement was effective immediately on January 4, 2016. Between January 4, 2016 and January 6, 2016, we sold 500,000 of our common shares at an average price of \$27.73 per share through an at-the-market offering, raising approximately \$13.9 million in gross proceeds. We suspended the at-the-market offering on January 20, 2016 and as of the date of this filing the at-the-market offering remains suspended. The common shares were offered through Credit Suisse as sales agent. We received net proceeds of approximately \$13.6 million from the offering after deducting the sales agent's commissions and offering expenses.

As of March 31, 2016, all of the net offering proceeds from the sale of our common shares had been applied for the uses outlined in the registration statement and prospectuses.

**ITEM 15. *CONTROLS AND PROCEDURES***

***Disclosure Controls and Procedures***

Our management, with the participation of our chief executive officer and chief financial officer, has performed an evaluation of the effectiveness of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Exchange Act) as of the end of the period covered by this report, as required by Rule 13a-15(b) under the Exchange Act. Based upon that evaluation, our management has concluded that, as of the end of the period covered by this annual report, our disclosure controls and procedures were effective in ensuring that the information required to be disclosed by us in the reports that we file or submit under the Exchange Act was recorded, processed, summarized and reported, within the time periods specified in the SEC's rules and forms, and that the information required to be disclosed by us in the reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our chief executive officer and chief financial officer, to allow timely decisions regarding required disclosures.

***Management's Annual Report on Internal Control over Financial Reporting***

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such item is defined in Rules 13a-15(f) under the Exchange Act, for our company. Internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of consolidated financial statements in accordance with generally accepted accounting principles and includes those policies and procedures that (a) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of a company's assets; (b) provide reasonable assurance that transactions are recorded as necessary to permit preparation of consolidated financial statements in accordance with generally accepted accounting principles, and that a company's receipts and expenditures are being made only in accordance with authorizations of a company's management and directors; and (c) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of a company's assets that could have a material effect on the consolidated financial statements.

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Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

As required by Section 404 of the Sarbanes-Oxley Act of 2002 and related rules as promulgated by the Securities and Exchange Commission, our management assessed the effectiveness of our internal control over financial reporting as of December 31, 2015 using criteria established in Internal Control-Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on this assessment, management concluded that our internal control over financial reporting was effective as of December 31, 2015.

Management excluded from its assessment on the internal control over financial reporting of Recurrent, which we acquired in March 2015 and represented 31% of our net assets, 22% of our total assets, 8% of our revenues and 3% of our net income as of and for the year ended December 31, 2015, respectively.

Deloitte Touche Tohmatsu Certified Public Accountants LLP, an independent registered public accounting firm, who audited our consolidated financial statements for the year ended December 31, 2015, has also audited the effectiveness of internal control over financial reporting as of December 31, 2015.

***Report of the Independent Registered Public Accounting Firm***

To the Board of Directors and Shareholders of Canadian Solar Inc.

We have audited the internal control over financial reporting of Canadian Solar Inc. and subsidiaries (the "Company") as of December 31, 2015, based on the criteria established in Internal Control Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission. The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Annual Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. As described in Management's Report on Internal Control over Financial Reporting, management excluded from its assessment the internal control over financial reporting at Recurrent Energy, LLC ("Recurrent"), which was acquired on March 30, 2015 and whose financial statements constitute 31% and 22% of net and total assets, respectively, 8% of revenues and 3% of net income of the consolidated financial statements as of and for the year ended December 31, 2015. Accordingly, our audit did not include the internal control over financial reporting at Recurrent.

We conducted our audit 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 effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

A company's internal control over financial reporting is a process designed by, or under the supervision of, the company's principal executive and principal financial officers, or persons performing similar functions, and effected by the company's board of directors, management, and other personnel 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.

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A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of the inherent limitations of internal control over financial reporting, including the possibility of collusion or improper management override of controls, material misstatements due to error or fraud may not be prevented or detected on a timely basis. Also, projections of any evaluation of the effectiveness of the internal control over financial reporting to future periods are subject to the risk that the controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2015, based on the criteria established in Internal Control Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated financial statements and financial statement schedule as of and for the year ended December 31, 2015 of the Company and our report dated April 20, 2016 expressed an unqualified opinion on those financial statements and financial statement schedule.

/s/ Deloitte Touche Tohmatsu Certified Public Accountants LLP  
Shanghai, China  
April 20, 2016

***Changes in Internal Controls***

Management has evaluated, with the participation of our chief executive officer and chief financial officer, whether any changes in our internal control over financial reporting that occurred during our last fiscal year have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. Based on the evaluation we conducted, management has concluded that no such changes occurred during the period covered by this annual report on Form 20-F.

**ITEM 16A. AUDIT COMMITTEE FINANCIAL EXPERT**

Our board of directors has determined that Lars-Eric Johansson qualifies as an "audit committee financial expert" as defined in Item 16A of Form 20-F. Each of the members of the audit committee is an "independent director" as defined in the Nasdaq Marketplace Rules.

**ITEM 16B. CODE OF ETHICS**

Our board of directors has adopted a code of ethics that applies to our directors, officers, employees and agents, including certain provisions that specifically apply to our chief executive officer, chief financial officer, chief operations officer, chief technology officer, vice presidents and any other persons who perform similar functions for us. We have posted our code of business conduct on our website [www.canadiansolar.com](http://www.canadiansolar.com). We hereby undertake to provide to any person without charge, a copy of our code of business conduct and ethics within ten working days after we receive such person's written request.

Table of Contents**ITEM 16C. PRINCIPAL ACCOUNTANT FEES AND SERVICES**

The following table sets forth the aggregate fees by categories specified below in connection with certain professional services rendered by Deloitte Touche Tohmatsu Certified Public Accountants LLP, our principal external auditors, for the periods indicated. We did not pay any other fees to our auditors during the periods indicated below.

|                                   | For the Years Ended<br>December 31, |              |
|-----------------------------------|-------------------------------------|--------------|
|                                   | 2014                                | 2015         |
| Audit fees <sup>(1)</sup>         | \$ 1,720,000                        | \$ 1,720,000 |
| Audit related fees <sup>(2)</sup> | \$ 280,000                          | \$ 470,000   |
| All other fees <sup>(3)</sup>     | \$ 84,131                           | \$ 4,186,682 |

- (1) "Audit fees" means the aggregate fees billed for professional services rendered by our principal auditors for the annual audit of our consolidated financial statements, assurance and related services. In 2014 and 2015, these were mainly for the review and audit of our consolidated financial statements.
- (2) "Audit related fees" represents the aggregate fees billed for assurance and related services by our principal auditors that are reasonably related to the performance of the audit or review of our consolidated financial statements and are not reported as audit fees.
- (3) "All other fees" represents aggregate fees billed for professional services rendered by our principal auditors for the statutory audit of our subsidiary's financial statements, consultations and related services. In 2015, "All other fees" mainly includes the audit fee for the Yieldco IPO in U.S. with an amount of approximately \$4.1 million.

The policy of our audit committee is to pre-approve all audit and non-audit services provided by Deloitte Touche Tohmatsu Certified Public Accountants LLP, including audit services, audit-related services, tax services and other services as described above, other than those for *de minimis* services which are approved by the Audit Committee prior to the completion of the audit. We have a written policy on the engagement of an external auditor.

**ITEM 16D. EXEMPTIONS FROM THE LISTING STANDARDS FOR AUDIT COMMITTEES**

Not applicable.

**ITEM 16E. PURCHASES OF EQUITY SECURITIES BY THE ISSUER AND AFFILIATED PURCHASERS**

None.

**ITEM 16F. CHANGE IN REGISTRANT'S CERTIFYING ACCOUNTANT**

Not applicable.

**ITEM 16G. CORPORATE GOVERNANCE**

None.

**ITEM 16H. MINE SAFETY DISCLOSURE**

Not applicable.



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**PART III**

**ITEM 17. FINANCIAL STATEMENTS**

We have elected to provide financial statements pursuant to Item 18.

**ITEM 18. FINANCIAL STATEMENTS**

The consolidated financial statements of Canadian Solar Inc. are included at the end of this annual report.

**ITEM 19. EXHIBITS**

| <b>Exhibit<br/>Number</b> | <b>Description of Document</b>  |
|---------------------------|---|
| 1.1                       | Amended Articles of Continuance (incorporated by reference to Exhibit 3.2 of our registration statement on Form F-1 (File No. 333-138144), as amended, initially filed with the SEC on October 23, 2006)  |
| 2.1                       | Registrant's Specimen Certificate for Common Shares (incorporated by reference to Exhibit 4.11 from our F-1 registration statement (File No. 333-138144), as amended, initially filed with the Commission on October 23, 2006)  |
| 4.1                       | Amended and Restated Share Incentive Plan of the Registrant, dated September 20, 2010 (incorporated by reference to Exhibit 4.5 of our annual report on Form 20-F for the year ended December 31, 2010 (File No. 001-33107), as amended, initially filed with the SEC on May 17, 2011)  |
| 4.2                       | Form of Director Indemnity Agreement (incorporated by reference to Exhibit 4.1 of our annual report on Form 20-F for the year ended December 31, 2008 (File No. 001-33107), as amended, initially filed with the SEC on June 8, 2009)   |
| 4.3                       | Employment Agreement between the Registrant and Dr. Shawn Qu (incorporated by reference to Exhibit 10.2 of our registration statement on Form F-1 (File No. 333-138144), as amended, initially filed with the SEC on October 23, 2006)  |
| 4.4                       | Form of Employment Agreement between the Registrant and its executive officers (incorporated by reference to Exhibit 4.7 of our annual report on Form 20-F for the year ended December 31, 2010 (File No. 001-33107), as amended, initially filed with the SEC on May 17, 2011)   |
| 4.5                       | Indenture, dated as of February 18, 2014, between the Registrant and The Bank of New York Mellon, as the trustee (incorporated by reference to Exhibit 4.5 of our annual report on Form 20-F for the year ended December 31, 2013 (File No. 001-33107), as amended, initially filed with the SEC on April 28, 2014)   |
| 4.6                       | Purchase and Sale Agreement by and among Sharp Corporation, Sharp US Holding Inc., Canadian Solar Energy Acquisition Co. and Canadian Solar Inc., dated as of February 3, 2015 (incorporated by reference to Exhibit 4.6 of our annual report on Form 20-F for the year ended December 31, 2014 (File No. 001-33107), as amended, initially filed with the SEC on April 23, 2015) |
| 4.7*                      | Silicon Wafer Purchase Contract between CSI Cells Co., Ltd., CSI-GCL Solar Manufacturing (Yancheng) Co., Ltd. and Canadian Solar Manufacturing (Luoyang) Inc., and GCL-Poly (Suzhou) Energy Limited, dated January 29, 2016   |
| 8.1*                      | List of Major Subsidiaries  |

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| <b>Exhibit Number</b> | <b>Description of Document</b>   |
|-----------------------|--|
| 12.1*                 | CEO Certification Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002  |
| 12.2*                 | CFO Certification Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002  |
| 13.1**                | CEO Certification Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002  |
| 13.2**                | CFO Certification Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002  |
| 15.1*                 | Consent of Deloitte Touche Tohmatsu Certified Public Accountants LLP   |
| 101*                  | Financial information from registrant for the year ended December 31, 2015 formatted in eXtensible Business Reporting Language (XBRL):<br><br>(i) Consolidated Balance Sheets as of December 31, 2014 and 2015; (ii) Consolidated Statements of Operations for the Years Ended December 31, 2013, 2014 and 2015; (iii) Consolidated Statements of Comprehensive Income for the Years Ended December 31, 2013, 2014 and 2015; (iv) Consolidated Statements of Changes in Equity for the Years Ended December 31, 2013, 2014 and 2015; (v) Consolidated Statements of Cash Flows for the Years Ended December 31, 2013, 2014 and 2015; (vi) Notes to Consolidated Financial Statements; and (vii) Additional Information Financial Statements Schedule I |

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\*  
Filed herewith.

\*\*  
Furnished herewith.

Confidential treatment is being requested with respect to portions of this exhibit and such confidential treatment portions have been deleted and replaced with "\*\*\*\*" and filed separately with the Securities and Exchange Commission pursuant to Rule 24b-2 under the Securities Exchange Act of 1934.

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**SIGNATURES**

The registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this annual report on its behalf.

CANADIAN SOLAR INC.

By: /s/ Shawn (Xiaohua) Qu

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Name: Shawn (Xiaohua) Qu  
Title: Chairman, President and  
Chief Executive Officer

By: /s/ Michael G. Potter

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Name: Michael G. Potter  
Title: Senior Vice President and  
Chief Financial Officer

Date: April 20, 2016



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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Board of Directors and Shareholders of Canadian Solar Inc.

We have audited the accompanying consolidated balance sheets of Canadian Solar Inc. and subsidiaries (the "Company") as of December 31, 2014 and 2015, and the related consolidated statements of operations, comprehensive income, changes in equity, and cash flows for each of the three years in the period ended December 31, 2015. Our audits also included the financial statement schedule included in Schedule I. These financial statements and financial statement schedule are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements and financial statement schedule 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 financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such consolidated financial statements present fairly, in all material respects, the financial position of Canadian Solar Inc. and subsidiaries as of December 31, 2014 and 2015 and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2015, in conformity with accounting principles generally accepted in the United States of America. Also, in our opinion, such financial statement schedule, when considered in relation to the basic consolidated financial statements taken as a whole, presents fairly in all material respects, the information set forth therein.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the Company's internal control over financial reporting as of December 31, 2015, based on the criteria established in *Internal Control Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated April 20, 2016 expressed an unqualified opinion on the Company's internal control over financial reporting.

/s/ Deloitte Touche Tohmatsu Certified Public Accountants LLP

Shanghai China  
April 20, 2016

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## CANADIAN SOLAR INC.

## CONSOLIDATED BALANCE SHEETS

|   | December 31,<br>2014  | December 31,<br>2015 |
|---|---|----------------------|
|   | (In Thousands of U.S. Dollars,<br>except share and<br>per share data) |                      |
| <b>ASSETS</b>   |   |                      |
| Current assets:   |   |                      |
| Cash and cash equivalents   | 549,543   | 553,079              |
| Restricted cash - current   | 439,961   | 534,707              |
| Accounts receivable trade, net of allowance of \$31,817 and \$28,156 as of December 31, 2014 and 2015, respectively           | 366,939   | 426,803              |
| Accounts receivable, unbilled   | 27,126  | 8,206                |
| Amounts due from related parties  | 4,217   | 104,579              |
| Inventories   | 432,325   | 334,489              |
| Value added tax recoverable   | 20,271  | 44,615               |
| Advances to suppliers - current, net of allowance of \$9,301 and \$6,498 as of December 31, 2014 and 2015, respectively       | 47,172  | 31,886               |
| Derivative assets - current   | 9,643   | 6,259                |
| Project assets - current  | 235,228   | 111,317              |
| Deferred tax assets - current   | 40,810  | 30,013               |
| Prepaid expenses and other current assets   | 142,651   | 78,140               |
| <b>Total current assets</b>   | <b>2,315,886</b>  | <b>2,264,093</b>     |
| Restricted cash - non-current   | 35,224  | 46,897               |
| Property, plant and equipment, net  | 372,481   | 331,052              |
| Solar power systems, net  | 96,868  | 1,200,441            |
| Deferred tax assets - non-current   | 66,856  | 97,134               |
| Advances to suppliers - non-current, net of allowance of \$28,434 and \$22,131 as of December 31, 2014 and 2015, respectively | 481   | 27,745               |
| Prepaid land use rights   | 13,286  | 29,092               |
| Investments in affiliates   | 38,823  | 187,131              |
| Intangible assets, net  | 6,606   | 78,938               |
| Goodwill  |   | 7,609                |
| Derivatives assets - non-current  |   | 2,072                |
| Project assets - non-current  | 69,283  | 2,814                |
| Other non-current assets  | 56,630  | 142,236              |
| <b>TOTAL ASSETS</b>   | <b>3,072,424</b>  | <b>4,417,254</b>     |
| <b>LIABILITIES, REDEEMABLE NON-CONTROLLING INTERESTS AND EQUITY</b>   |   |                      |
| Current liabilities:  |   |                      |
| Short-term borrowings   | 725,513   | 1,156,576            |
| Accounts payable  | 412,937   | 512,510              |
| Short-term notes payable  | 388,052   | 473,247              |
| Amounts due to related parties  | 17,592  | 90,002               |
| Other payables  | 112,584   | 159,886              |
| Advances from customers   | 111,974   | 76,207               |
| Derivative liabilities - current  | 445   | 35,228               |
| Deferred tax liabilities - current  | 94,711  | 1,426                |
| Other current liabilities   | 85,457  | 151,242              |
| <b>Total current liabilities</b>  | <b>1,949,265</b>  | <b>2,656,324</b>     |
| Accrued warranty costs  | 54,644  | 65,193               |
| Convertible notes   | 150,000   | 150,000              |

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|  |                  |                  |
|--|------------------|------------------|
| Long-term borrowings   | 134,300          | 606,577          |
| Derivatives liabilities non-current  |                  | 17,358           |
| Liability for uncertain tax positions  | 15,579           | 14,468           |
| Deferred tax liabilities non-current   | 10,345           | 19,030           |
| Loss contingency accruals  | 26,206           | 23,500           |
| Other non-current liabilities  |                  | 32,294           |
| <b>TOTAL LIABILITIES</b>   | <b>2,340,339</b> | <b>3,584,744</b> |
| Commitments and contingencies (Note 21)  |                  |                  |
| Redeemable non-controlling interests   | 2,511            |                  |
| Equity:  |                  |                  |
| Common shares no par value: unlimited authorized shares, 55,161,856 and 55,965,443 shares issued and outstanding at December 31, 2014 and 2015, respectively | 675,236          | 677,103          |
| Additional paid-in capital   | (25,682)         | (17,139)         |
| Retained earnings  | 46,999           | 218,860          |
| Accumulated other comprehensive income (loss)  | 20,058           | (59,856)         |
| Total Canadian Solar Inc. shareholders' equity   | 716,611          | 818,968          |
| Non-controlling interests in subsidiaries  | 12,963           | 13,542           |
| <b>TOTAL EQUITY</b>  | <b>729,574</b>   | <b>832,510</b>   |
| <b>TOTAL LIABILITIES, REDEEMABLE NON-CONTROLLING INTERESTS AND EQUITY</b>  | <b>3,072,424</b> | <b>4,417,254</b> |

See notes to consolidated financial statements.

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## CANADIAN SOLAR INC.

## CONSOLIDATED STATEMENTS OF OPERATIONS

|  | Years Ended December 31,  |           |           |
|--|---|-----------|-----------|
|  | 2013  | 2014      | 2015      |
|  | (In Thousands of U.S. Dollars, except share and per share data) |           |           |
| Net revenues:  |   |           |           |
| Non-related parties  | 1,637,966   | 2,958,058 | 3,363,274 |
| Related parties  | 16,390  | 2,569     | 104,352   |
| Total net revenues   | 1,654,356   | 2,960,627 | 3,467,626 |
| Cost of revenues   |   |           |           |
| Non-related parties  | 1,363,048   | 2,375,025 | 2,821,972 |
| Related parties  | 15,613  | 4,608     | 68,884    |
| Total cost of revenues   | 1,378,661   | 2,379,633 | 2,890,856 |
| Gross profit   | 275,695   | 580,994   | 576,770   |
| Operating expenses:  |   |           |           |
| Selling expenses   | 88,426  | 125,797   | 149,710   |
| General and administrative expenses  | 44,768  | 76,826    | 162,633   |
| Research and development expenses  | 11,685  | 12,057    | 17,056    |
| Total operating expenses   | 144,879   | 214,680   | 329,399   |
| Income from operations   | 130,816   | 366,314   | 247,371   |
| Other income (expenses):   |   |           |           |
| Interest expense   | (46,244)  | (48,906)  | (54,148)  |
| Interest income  | 11,973  | 14,363    | 16,831    |
| Gain (loss) on change in fair value of derivatives                                   | 10,764  | 19,656    | (12,196)  |
| Foreign exchange gain (loss)   | (51,469)  | (32,219)  | 22,882    |
| Investment income  |   |           | 2,342     |
| Others   | 428   | 1,623     | 389       |
| Other expenses, net  | (74,548)  | (45,483)  | (23,900)  |
| Income before income taxes and equity in earnings (loss) of unconsolidated investees | 56,268  | 320,831   | 223,471   |
| Income tax expense   | (7,639)   | (77,431)  | (49,512)  |
| Equity in earnings (loss) of unconsolidated investees                                | (3,064)   | 487       | (643)     |
| Net income   | 45,565  | 243,887   | 173,316   |
| Less: net income attributable to non-controlling interests                           | 13,906  | 4,385     | 1,455     |
| Net income attributable to Canadian Solar Inc.                                       | 31,659  | 239,502   | 171,861   |
| Earnings per share basic   | \$ 0.68   | \$ 4.40   | \$ 3.08   |

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|                                    |            |            |            |
|------------------------------------|------------|------------|------------|
| Shares used in computation basic   | 46,306,739 | 54,408,037 | 55,728,903 |
| Earnings per share diluted         | \$ 0.63    | \$ 4.11    | \$ 2.93    |
| Shares used in computation diluted | 50,388,284 | 59,354,615 | 60,426,056 |

See notes to consolidated financial statements.

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Table of Contents**CANADIAN SOLAR INC.****CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**

|  | <b>Years Ended December 31,</b>       |             |             |
|--|---------------------------------------|-------------|-------------|
|  | <b>2013</b>                           | <b>2014</b> | <b>2015</b> |
|  | <b>(In Thousands of U.S. Dollars)</b> |             |             |
| Net income   | 45,565                                | 243,887     | 173,316     |
| Other comprehensive income (net of tax of nil):                      |                                       |             |             |
| Foreign currency translation adjustment                              | 1,878                                 | (32,440)    | (75,687)    |
| Gain on commodity hedge  |                                       |             | 2,078       |
| Comprehensive income   | 47,443                                | 211,447     | 99,707      |
| Less: comprehensive income attributable to non-controlling interests | 12,668                                | 5,798       | 7,759       |
| Comprehensive income attributable to Canadian Solar Inc.             | 34,775                                | 205,649     | 91,948      |

See notes to consolidated financial statements.

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## CANADIAN SOLAR INC.

## CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

|   | Common<br>Shares | Additional<br>Paid-in<br>Capital | Retained<br>Earnings<br>(Accumulated<br>Deficit) | Accumulated<br>Other<br>Comprehensive<br>Income<br>(loss) | Earnings<br>Attributable<br>to<br>Canadian<br>Solar Inc. | Non-<br>Controlling<br>Interest | Total<br>Equity |
|---|------------------|----------------------------------|--|---|--|---------------------------------|-----------------|
|   | Number           | \$                               | \$   | \$  | \$   | \$                              | \$              |
| (In Thousands of U.S. Dollars, except share and per share data) |                  |                                  |  |   |  |                                 |                 |
| Balance at January 1, 2013                                      | 43,242,426       | 502,562                          | (38,296)   | (224,162)   | 50,795   | 290,899                         | 301,583         |
| Net income  |                  |                                  |  | 31,659  |  | 31,659                          | 45,565          |
| Foreign currency translation adjustment                         |                  |                                  |  |   | 3,116  | 3,116                           | 1,878           |
| Profit distribution to a non-controlling interest               |                  |                                  |  |   |  | (219)                           | (219)           |
| Issuance of ordinary shares, net of issuance costs              | 3,772,254        | 47,887                           |  |   | 47,887   |                                 | 47,887          |
| Share-based compensation  |                  |                                  | 6,175  |   | 6,175  |                                 | 6,175           |
| Exercise of share options                                       | 4,019,663        | 10,793                           |  |   | 10,793   |                                 | 10,793          |
| Disposal of project companies                                   |                  |                                  |  |   |  | (12,164)                        | (12,164)        |
| Balance at December 31, 2013                                    | 51,034,343       | 561,242                          | (32,121)   | (192,503)   | 53,911   | 390,529                         | 401,498         |
| Net income  |                  |                                  |  | 239,502   |  | 239,502                         | 243,887         |
| Foreign currency translation adjustment                         |                  |                                  |  |   | (33,853)   | (33,853)                        | (32,440)        |
| Profit distribution to a non-controlling interest               |                  |                                  |  |   |  | (649)                           | (649)           |
| Issuance of ordinary shares, net of issuance costs              | 3,194,700        | 108,919                          |  |   | 108,919  |                                 | 108,919         |
| Deferred tax on issuance costs of ordinary shares               |                  | 1,732                            |  |   | 1,732  |                                 | 1,732           |
| Share-based compensation  |                  |                                  | 5,088  |   | 5,088  |                                 | 5,088           |
| Tax benefit of share-based compensation                         |                  |                                  | 1,351  |   | 1,351  |                                 | 1,351           |
| Exercise of share options                                       | 932,813          | 3,343                            |  |   | 3,343  |                                 | 3,343           |
| Disposal of project companies                                   |                  |                                  |  |   |  | (3,155)                         | (3,155)         |
| Balance at December 31, 2014                                    | 55,161,856       | 675,236                          | (25,682)   | 46,999  | 20,058   | 716,611                         | 729,574         |
| Net income  |                  |                                  |  | 171,861   |  | 171,861                         | 173,316         |
| Foreign currency translation adjustment                         |                  |                                  |  |   | (81,992)   | (81,992)                        | (75,687)        |
| Profit distribution to non-controlling interests                |                  |                                  |  |   |  | (305)                           | (305)           |
| Share-based compensation  |                  |                                  | 5,966  |   | 5,966  |                                 | 5,966           |
| Tax benefit of share-based compensation                         |                  |                                  | 853  |   | 853  |                                 | 853             |
| Exercise of share options                                       | 803,587          | 1,867                            |  |   | 1,867  |                                 | 1,867           |
| Acquisition of non-controlling interest                         |                  |                                  | 1,724  |   | 1,724  | (2,651)                         | (927)           |
| Gain on commodity hedge   |                  |                                  |  |   | 2,078  | 2,078                           | 2,078           |
| Disposal of a subsidiary  |                  |                                  |  |   |  | (4,225)                         | (4,225)         |
| Balance at December 31, 2015                                    | 55,965,443       | 677,103                          | (17,139)   | 218,860   | (59,856)   | 818,968                         | 832,510         |



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See notes to consolidated financial statements.

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## CANADIAN SOLAR INC.

## CONSOLIDATED STATEMENTS OF CASH FLOWS

|   | Years Ended December 31,       |           |           |
|---|--------------------------------|-----------|-----------|
|   | 2013                           | 2014      | 2015      |
|   | (In Thousands of U.S. Dollars) |           |           |
| Operating activities:   |                                |           |           |
| Net income  | 45,565                         | 243,887   | 173,316   |
| Adjustments to reconcile net income to net cash provided by operating activities: |                                |           |           |
| Depreciation and amortization   | 80,821                         | 82,627    | 94,217    |
| Loss on disposal of property, plant and equipment                                 | 3,613                          | 1,478     | 1,801     |
| Impairment loss of property, plant and equipment                                  | 3,665                          | 1,573     | 6,992     |
| Impairment loss of project assets   | 1,558                          | 2,311     |           |
| (Gain) loss on change in fair value of derivatives                                | (10,764)                       | (19,656)  | 12,196    |
| Equity in loss (earnings) of unconsolidated investees                             | 3,064                          | (487)     | 643       |
| Allowance for doubtful accounts   | (975)                          | (8,528)   | 3,673     |
| Write-down of inventories   | 715                            | 16,951    | 23,013    |
| Share-based compensation  | 6,175                          | 5,088     | 5,966     |
| Elimination of profit on sales to unconsolidated investees                        |                                |           | 15,637    |
| Changes in operating assets and liabilities:                                      |                                |           |           |
| Accounts receivable trade   | (11,814)                       | (73,777)  | (63,352)  |
| Accounts receivable, unbilled   | (9,167)                        | (17,308)  | 15,642    |
| Amounts due from related parties  | 5,288                          | 480       | (99,893)  |
| Inventories   | 34,667                         | (252,716) | 50,821    |
| Value added tax recoverable   | (1,405)                        | (4,150)   | (22,725)  |
| Advances to suppliers   | (5,747)                        | (3,622)   | 7,967     |
| Project assets  | (152,871)                      | 89,536    | 70,943    |
| Prepaid expenses and other current assets   | (2,333)                        | (38,523)  | 36,745    |
| Other non-current assets  | (4,420)                        | (8,446)   | (22,355)  |
| Accounts payable  | 44,231                         | 135,812   | (23,975)  |
| Short-term notes payable  | 117,707                        | 30,593    | 116,453   |
| Amounts due to related parties  | 14,492                         | (2,166)   | 47,522    |
| Other payables  | (2,603)                        | 14,498    | 12,484    |
| Advances from customers   | 51,357                         | 40,311    | (30,123)  |
| Other liabilities   | 14,748                         | (16,282)  | 56,542    |
| Accrued warranty costs  | (19,199)                       | 15,516    | 12,004    |
| Prepaid land use rights   | 397                            | 5,319     |           |
| Liability for uncertain tax positions   | 2,495                          | (1,613)   | (1,111)   |
| Deferred taxes  | 15,142                         | 9,208     | (112,263) |
| Settlement of derivatives   | 5,147                          | 17,192    | 24,878    |
| Net cash provided by operating activities   | 229,549                        | 265,106   | 413,658   |

See notes to consolidated financial statements.

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## CANADIAN SOLAR INC.

## CONSOLIDATED STATEMENTS OF CASH FLOWS (Continued)

|   | Years Ended December 31,       |                  |                  |
|---|--------------------------------|------------------|------------------|
|   | 2013                           | 2014             | 2015             |
|   | (In Thousands of U.S. Dollars) |                  |                  |
| <b>Investing activities:</b>  |                                |                  |                  |
| Increase in restricted cash   | (10,099)                       | (27,585)         | (100,935)        |
| Investment in affiliates  | (4,278)                        | (72)             | (84,389)         |
| Return of investment from unconsolidated investees  |                                | 337              | 1,698            |
| Purchase of property, plant and equipment   | (23,132)                       | (49,660)         | (90,905)         |
| Purchase of solar power systems   |                                | (15,480)         | (551,863)        |
| Loan to a third party   |                                | (24,382)         |                  |
| Repayment of loan received from a third party   |                                |                  | 24,467           |
| Proceeds from disposal of investment on subsidiaries  |                                |                  | 3,615            |
| Distribution to non-controlling shareholders due to disposal of a subsidiary                                  |                                |                  | (4,225)          |
| Acquisition of subsidiaries, net of cash received   |                                |                  | (196,783)        |
| Proceeds from disposal of property, plant and equipment   |                                | 793              | 216              |
| <b>Net cash used in investing activities</b>  | <b>(37,509)</b>                | <b>(116,049)</b> | <b>(999,104)</b> |
| <b>Financing activities:</b>  |                                |                  |                  |
| Proceeds from short-term borrowings   | 768,381                        | 928,879          | 1,436,950        |
| Repayment of short-term borrowings  | (1,073,503)                    | (1,045,596)      | (1,308,235)      |
| Proceeds from long-term borrowings  | 149,832                        | 56,989           | 487,228          |
| Profit distribution to a non-controlling interest   | (219)                          |                  | (305)            |
| Payment to non-controlling interests for sales of project companies   | (8,071)                        | (5,483)          |                  |
| Gross proceeds from issuance of common shares   | 50,000                         | 115,009          |                  |
| Issuance costs paid for common shares offering  | (2,113)                        | (6,091)          |                  |
| Payment of financing costs  |                                |                  | (39,297)         |
| Purchase of shares from non-controlling shareholders  |                                |                  | (927)            |
| Proceeds from issuance of warrant   |                                |                  | 16,378           |
| Proceeds from sale of non-controlling interest in a project asset   |                                |                  | 1,685            |
| Proceeds from capital lease   |                                |                  | 25,246           |
| Repayment of capital lease obligation   |                                |                  | (1,107)          |
| Proceeds from issuance of convertible notes   |                                | 150,000          |                  |
| Issuance cost paid on convertible notes   |                                | (5,103)          |                  |
| Proceeds from exercise of stock options   | 10,793                         | 3,343            | 1,867            |
| <b>Net cash provided by (used in) financing activities</b>  | <b>(104,900)</b>               | <b>191,947</b>   | <b>619,483</b>   |
| Effect of exchange rate changes   | (858)                          | (19,711)         | (30,501)         |
| <b>Net increase in cash and cash equivalents</b>  | <b>86,282</b>                  | <b>321,293</b>   | <b>3,536</b>     |
| Cash and cash equivalents at the beginning of the year  | 141,968                        | 228,250          | 549,543          |
| <b>Cash and cash equivalents at the end of the year</b>   | <b>228,250</b>                 | <b>549,543</b>   | <b>553,079</b>   |
| <b>Supplemental disclosure of cash flow information:</b>  |                                |                  |                  |
| Interest paid (net of amounts capitalized)  | 47,344                         | 47,227           | 49,619           |
| Income taxes paid   | 23,813                         | 14,016           | 87,348           |
| <b>Supplemental schedule of non-cash activities:</b>  |                                |                  |                  |
| Amounts due from disposal of subsidiaries or affiliates included in prepaid expenses and other current assets | 137                            |                  |                  |
| Amounts due to non-controlling interests for sales of project companies included in payables                  | 4,093                          | 1,765            |                  |

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|   |        |        |         |
|---|--------|--------|---------|
| Property, plant and equipment costs included in other payables  | 14,057 | 23,541 | 34,161  |
| Solar power systems costs included in accounts payables   |        | 339    | 115,887 |
| Module contribution in exchange for non-controlling interests in affiliates   | 5,791  |        |         |
| Reclassification of a partial interest from project assets to investment in connection with a sale of 51% equity in the project |        |        | 84,200  |

See notes to consolidated financial statements.

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**1. ORGANIZATION AND PRINCIPAL ACTIVITIES**

Canadian Solar Inc. ("CSI") was incorporated pursuant to the laws of the Province of Ontario in October 2001, and changed its jurisdiction by continuing under the Canadian federal corporate statute, the Canada Business Corporations Act, or CBCA, effective June 1, 2006.

CSI and its subsidiaries (collectively, the "Company") design, develop, and manufacture solar wafers, cells and solar power products. In recent years, the Company has increased investment in, and management attention on its total solutions business, which consists primarily of solar power project development, engineering, procurement and construction, or EPC, services, operating and maintenance, or O&M, services, electricity revenue generation and sales of solar system kits. As of December 31, 2015, major subsidiaries of CSI are included in Appendix 1.

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES**

**(a) Basis of presentation**

The consolidated financial statements of the Company have been prepared in accordance with U.S. generally accepted accounting principles ("U.S. GAAP").

**(b) Basis of consolidation**

The consolidated financial statements include the financial statements of the Company and its subsidiaries in which it has a controlling financial interest. A controlling financial interest is typically determined when a company holds a majority of the voting equity interest in an entity. The Company evaluates each of its interest in private companies to determine whether or not the investee is a variable interest entity ("VIE"). If the Company demonstrates it both has (i) the power to direct the activities of a VIE that most significantly impact the VIE's economic performance and (ii) the obligation to absorb losses or the right to receive benefits from the VIE that could potentially be significant to the VIE, then the entity is consolidated. All intercompany balances and transactions between the Company and its subsidiaries have been eliminated in consolidation.

**(c) Use of estimates**

The preparation of consolidated financial statements in conformity with U.S. GAAP requires the Company to make estimates and assumptions that affect reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates. Significant accounting estimates reflected in the Company's consolidated financial statements include revenue recognition for sales of solar power projects, EPC services and development services accounted for under the percentage-of-completion method, allowance for doubtful accounts receivable and advances to suppliers, valuation of inventories and provision for firm purchase commitments, provision for contingent liability, impairment of long-lived assets and project assets, the estimated useful lives of long-lived assets, determination of assets retirement obligation ("ARO"), accrual for warranty and the recognition of the benefit from the purchased warranty insurance, fair value estimate of financial instruments including warrants and other types of derivative, accrual for uncertain tax positions, tax valuation allowances, applying acquisition method of accounting to business

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

acquisitions and the grant-date fair value of share-based compensation awards and related forfeiture rates.

**(d) Cash and cash equivalents and restricted cash**

Cash and cash equivalents are stated at cost, which approximates fair value. Cash and cash equivalents consist of cash on hand and demand deposits, which are unrestricted as to withdrawal and use, and have original maturities of three months or less when acquired.

Restricted cash represents amounts held by banks, which are not available for the Company's general use, as security for issuance of letters of credit, short term notes payable and bank borrowings. Upon maturity of the letters of credit, repayment of short-term notes payable or bank borrowings which generally occur within one year, the deposits are released by the bank and become available for general use by the Company.

**(e) Accounts receivable, unbilled**

Accounts receivable, unbilled represents revenue that has been recognized in advance of billing the customer. The Company uses the percentage-of-completion method to recognize revenue from EPC services, development services and sales of solar power projects when all relevant revenue recognition criteria have been met. Under this accounting method, revenue may be recognized in advance of billing the customer, which results in the recording of accounts receivable, unbilled. Once the Company meets the billing criteria under such contract, it bills the customer and reclassifies the unbilled balance to accounts receivable trade. Billing requirements vary by contract, but are generally structured around completion of certain construction milestones.

**(f) Allowance for doubtful receivables**

The Company began purchasing insurance from China Export & Credit Insurance Corporation ("Sinasure") since 2009 for certain of its accounts receivable trade in order to reduce its exposure to bad debt loss. The Company provides an allowance for accounts receivable trade using primarily a specific identification methodology. An allowance is recorded based on the likelihood of collection from the specific customer regardless whether such account is covered by Sinasure. At the time the claim is made to Sinasure, the Company records a receivable from Sinasure equal to the expected recovery up to the amount of the specific allowance. The Company had recorded a receivable from Sinasure in prepaid expenses and other current assets of \$452, \$643 and \$442 as of December 31, 2013, 2014 and 2015, respectively and a corresponding reduction in bad debt expense.

**(g) Advances to suppliers**

The Company makes prepayments to certain suppliers and such amounts are recorded in advances to suppliers in the consolidated balance sheets. Advances to suppliers expected to be utilized within twelve months as of each balance sheet date are recorded as current assets and the portion expected to be utilized after twelve months are classified as non-current assets in the consolidated balance sheets.

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

**(h) Inventories**

Inventories are stated at the lower of cost or market. Cost is determined by the weighted-average method. Cost of inventories consists of direct materials and, where applicable, direct labor costs, tolling costs and those overhead costs that have been incurred in bringing the inventories to their present location and condition.

Adjustments are recorded to write down the cost of obsolete and excess inventories to the estimated market value based on historical and forecast demand.

The Company outsources portions of its manufacturing process. These outsourcing arrangements may or may not include transfer of title of the raw materials inventory to third-party manufacturers. Such raw materials are recorded as raw materials inventory when purchased from suppliers. For those outsourcing arrangements in which the title is not transferred, the Company maintains such inventory on the Company's consolidated balance sheets as raw materials inventory while it is in physical possession of the third-party manufacturer. Upon receipt, processed inventory is reclassified to work-in-process inventory and a processing fee is paid to the third-party manufacturer.

For those outsourcing arrangements, characterized as sales, in which title (including risk of loss) is transferred to the third-party manufacturer, the Company is constructively obligated, through raw materials sales agreements and processed inventory purchase agreements, which have been entered into with the third-party manufacturer simultaneously, to repurchase the inventory once processed. In this case, the raw materials remain classified as raw material inventory while in physical possession of the third-party manufacturer and cash is received, which is classified as "advances from customers" on the consolidated balance sheets and not as revenue or deferred revenue. Cash payments for outsourcing arrangements, which require prepayments for repurchase of the processed inventory, are classified as "advances to suppliers" on the consolidated balance sheets. There is no right of offset for these arrangements and accordingly, "advances from customers" and "advances to suppliers" remain on the consolidated balance sheets until the processed inventory is repurchased.

On occasion, the Company enters into firm purchase commitments to acquire materials from its suppliers. A firm purchase commitment represents an agreement that specifies all significant terms, including the price and timing of the transactions, and includes a disincentive for non-performance that is sufficiently large to make performance probable. This disincentive is generally in the form of a take-or-pay provision, which requires the Company to pay for committed volumes regardless of whether the Company actually acquires the materials. The Company evaluates these agreements and records a loss, if any, on firm purchase commitments using the same lower of cost or market approach as that used to value inventory. The Company records the expected loss only as it relates to the succeeding year, as it is unable to reasonably estimate future market prices beyond one year, in cost of revenues in the consolidated statements of operations.

**(i) Project assets**

Project assets consist primarily of capitalized costs relating to solar power projects in various stages of development prior to the intended sale of the solar power projects to a third party. These costs

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

include certain acquisition costs, land costs and costs for developing and constructing a solar power system. Development costs can include legal, consulting, permitting, and other similar costs. Construction costs can include execution of field construction, installation of solar equipment, solar modules and related equipment. Interest costs incurred on debt during the construction phase and all deferred financing costs amortized during the construction phase are also capitalized within project assets.

Solar power projects are preliminarily classified as solar power systems unless the Company has intention to sell them to third parties. In that case, they will be classified as project assets on the balance sheets. During the development phase, these solar power projects are accounted for in accordance with the recognition, initial measurement and subsequent measurement subtopics of ASC 970-360, as they are considered in substance real estates. The costs to construct solar power systems are presented as investing activities in the consolidated statement of cash flows. While the solar power projects are in the development phase, they are generally classified as non-current assets, unless it is anticipated that construction will be completed and the sale will occur within one year.

Once the development of the solar power projects is substantially complete and the projects reach Commercial Operation Date ("COD"), appropriateness of the classification of the project assets is assessed based on the circumstances at that time. Solar power projects that the Company intends to sell to third parties are transferred from solar power systems to project assets during the period. Solar power projects that the Company intends to hold and operate to generate electricity income are still classified as solar power systems. In 2015, the Company reclassified \$111.3 million solar power systems to project assets current on the balance sheets.

Project assets are classified as current assets on the consolidated balance sheets when the criteria in ASC 360-10-45-9 are met.

The Company reviews project assets for impairment whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. The Company considers a project commercially viable or recoverable if it is anticipated to be sold for a profit once it is either fully developed or fully constructed. The Company considers a partially developed or partially constructed project commercially viable or recoverable if the anticipated selling price is higher than the carrying value of the related project assets. The Company examines a number of factors to determine if the project will be recoverable, the most notable of which include whether there are any changes in environmental, ecological, permitting, market pricing or regulatory conditions that impact the project. Such changes could cause the costs of the project to increase or the selling price of the project to decrease. If a project is not considered recoverable, the Company impairs the respective project assets and adjusts the carrying value to the estimated recoverable amount, with the resulting impairment recorded within operations.

The cash flows associated with the acquisition, construction, and sale of projects assets are classified as operating activities in the consolidated statements of cash flows. Project assets are often held in separate legal entities which are formed for the special purpose of constructing the project assets, which the Company refers to as "project companies". The Company consolidates project companies as described in note (b) above. The cash paid to the non-controlling interest in connection



CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

with disposal of such project companies was recorded as a financing activity in the consolidated statement of cash flows.

The Company does not depreciate the project assets when they are considered held for sale. Any revenue generated from a solar power system connected to the grid would be considered incidental revenue and accounted for as a reduction of the capitalized project costs for development. If circumstances change, and the Company will begin to operate the project assets for the purpose of generating income from the sale of electricity, the project assets will be reclassified to solar power systems. In 2015, the Company determined to expand its business model to both building and selling and building and operating certain projects. As a result, project assets amounted \$347.2 million were reclassified to solar power systems (see Note 8).

**(j) Business combination**

Business combinations are recorded using the acquisition method of accounting and, accordingly, the acquired assets and liabilities are recorded at their fair market value at the date of acquisition. Any excess of acquisition cost over the fair value of the acquired assets and liabilities, including identifiable intangible assets, is recorded as goodwill. The Company charges acquisition related costs that are not part of the purchase price consideration to general and administrative expenses as they are incurred. These costs typically include transaction and integration costs, such as legal, accounting, and other professional fees.

**(k) Assets acquisition**

When the Company acquires other entities, if the assets acquired and liabilities assumed do not constitute a business, the transaction is accounted for as an asset acquisition. Assets are recognized based on the cost, which generally includes the transaction costs of the asset acquisition, and no gain or loss is recognized unless the fair value of noncash assets given as consideration differs from the assets' carrying amounts on the Company's books. The costs of asset acquisitions generally include the direct transaction costs of the asset acquisition. If the consideration given is not in the form of cash (that is, in the form of noncash assets, liabilities incurred, or equity interests issued), measurement is based on either the cost to the acquiring entity or the fair value of the assets (or net assets) acquired, whichever is more clearly evident and, thus, more reliably measurable. The cost of a group of assets acquired in an asset acquisition is allocated to the individual assets acquired or liabilities assumed based on their relative fair value and does not give rise to goodwill.

**(l) Goodwill**

Goodwill represents the excess of the purchase price of acquired businesses over the estimated fair value assigned to the individual assets acquired and liabilities assumed. The Company does not amortize goodwill but instead test goodwill for impairment at least annually in the fourth quarter. The Company performs impairment tests between scheduled annual tests if facts and circumstances indicate that it is more likely than not that the fair value of a reporting unit that has goodwill is less than its carrying value.

**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

The Company may first make a qualitative assessment of whether it is more likely than not that a reporting unit's fair value is less than its carrying value to determine whether it is necessary to perform the two-step goodwill impairment test. The qualitative impairment test considers various factors including macroeconomic conditions, industry and market conditions, cost factors, a sustained share price or market capitalization decrease, and any reporting unit specific events. If it is determined through the qualitative assessment that a reporting unit's fair value is more likely than not greater than its carrying value, the two-step impairment test is not required. If the qualitative assessment indicates it is more likely than not that a reporting unit's fair value is not greater than its carrying value, the Company proceeds to perform the two-step impairment test. The Company may also elect to proceed directly to the two step impairment test without considering such qualitative factors.

The first step in a two-step impairment test is the comparison of the fair value of a reporting unit with its carrying amount, including goodwill. In accordance with the authoritative guidance over fair value measurements, the Company defines the fair value of a reporting unit as the price that would be received to sell the unit as a whole in an orderly transaction between market participants at the measurement date. The Company primarily uses the income approach methodology of valuation, which includes the discounted cash flow method, to estimate the fair values of the reporting units.

Significant management judgment is required when estimating the fair value of the reporting units including the forecasting of future operating results and the selection of discount and expected future growth rates that the Company uses in discounting cash flows. If the estimated fair value of a reporting unit exceeds its carrying value, goodwill is not impaired and no further analysis is required.

If the carrying value of a reporting unit exceeds its estimated fair value in the first step, then the Company is required to perform the second step of the impairment test. In this step, the Company assigns the fair value of the reporting unit calculated in step one to all of the assets and liabilities of the reporting unit, as if a market participant just acquired the reporting unit in a business combination. The excess of the fair value of the reporting unit determined in the first step of the impairment test over the total amount assigned to the assets and liabilities in the second step of the impairment test represents the implied fair value of goodwill. If the carrying value of a reporting unit's goodwill exceeds the implied fair value of goodwill, the Company would record an impairment loss equal to the difference. If there is no such excess, no goodwill impairment is required.

The Company performed a qualitative assessment for each of the reporting units in the fourth quarter of 2015 and concluded that it was not more likely than not that the fair value of each reporting unit was less than its carrying amount. Accordingly, the two-step goodwill impairment test for the Company's reporting units was not considered necessary.

***(m) Property, plant and equipment***

Property, plant and equipment is recorded at cost less accumulated depreciation. The cost of property, plant and equipment comprises its purchase price and any directly attributable costs, including interest costs capitalized during the period the asset is brought to its working condition and location for its intended use. The Company expenses repair and maintenance costs as incurred.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

Depreciation is computed on a straight-line basis over the following estimated useful lives:

|                                   |  |
|-----------------------------------|--|
| Buildings                         | 20 years   |
| Leasehold improvements            | Over the shorter of the lease term or their estimated useful lives |
| Machinery                         | 5-10 years   |
| Furniture, fixtures and equipment | 5 years  |
| Motor vehicles                    | 5 years  |

Costs incurred in constructing new facilities, including progress payments, capitalized interests and other costs relating to the construction, are capitalized and transferred to property, plant and equipment on completion and depreciation commences from that time.

For property, plant and equipment that has been placed into service, but is subsequently idled temporarily, the Company continues to record depreciation expense during the idle period. The Company adjusts the estimated useful life of the idled assets if the estimated useful life has changed.

**(n) Solar Power Systems**

Solar power systems are comprised of ground-mounted projects and roof top systems that the Company intends to hold for use. The solar power systems are stated at cost less accumulated depreciation. The cost consists primarily of direct costs incurred in various stages of development prior to the commencement of operations. For a self-developed solar power system, the actual cost capitalized is the amount of the expenditure incurred for the application of the feed-in tariff ("FIT") or other similar contracts, permits, consents, construction costs, interest costs capitalized, and other costs capitalized. For a solar power system acquired from third parties, the initial costs include the consideration transferred and certain direct acquisition costs. Expenditures for major additions and improvements are capitalized and minor replacements, maintenance, and repairs are charged to expense as incurred.

When Solar power systems is retired, or otherwise disposed of, the cost and accumulated depreciation is removed from the balance sheets and any resulting gain or loss is included in the results of operations for the respective period. Depreciation is recognized using the straight-line method over the estimated useful lives of the solar power systems of 20 to 25 years.

**(o) Intangible assets**

Intangible assets primarily represent the technical know-how and computer software purchased from third parties. Intangible assets are recorded at fair value at the time of acquisition less accumulated amortization, if applicable. Amortization is recorded according to the following table on a straight-line basis for all intangible assets:

|                                  |                                 |
|----------------------------------|---------------------------------|
| Power purchase agreement ("PPA") | Over the estimated useful lives |
| Technical know-how               | 10 years                        |
| Computer software                | 1-10 years                      |

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

**(p) Prepaid land use rights**

Prepaid land use rights represent amounts paid for the Company's lease for the use right of lands located in China ("PRC") and Japan. Amounts are charged to earnings ratably over the lease periods of 20 to 50 years.

**(q) Investments in affiliates**

The Company accounts for the investments in affiliates using either the cost or equity method of accounting depending upon whether the Company has the ability to exercise significant influence over the affiliates. As part of this evaluation, the Company considers the participating and protective rights in the affiliates as well as its legal form. The Company records the cost method investments at historical cost and subsequently record any dividends received from the net accumulated earnings of the investee as income. Dividends received in excess of earnings are considered a return of investment and are recorded as reductions in the cost of the investment. The Company uses the equity method of accounting for the investments when the Company has the ability to significantly influence the operations or financial activities of the investee. The Company records the equity method investments at historical cost and subsequently adjusts the carrying amount each period for share of the earnings or losses of the investee and other adjustments required by the equity method of accounting. Dividends received from the equity method investments are recorded as reductions in the cost of such investments.

Investments are evaluated for impairment when facts or circumstances indicate that the fair value of the investment is less than its carrying value. An impairment is recognized when a decline in fair value is determined to be other-than-temporary. The Company reviews several factors to determine whether a loss is other-than-temporary. These factors include, but are not limited to, the: (i) nature of the investment; (ii) cause and duration of the impairment; (iii) extent to which fair value is less than cost; (iv) financial conditions and near term prospects of the affiliates; and (v) ability to hold the security for a period of time sufficient to allow for any anticipated recovery in fair value. During the years ended December 31, 2013, 2014 and 2015, the Company recorded no impairment charges on its investments.

**(r) Impairment of long-lived assets**

The Company assesses the recoverability of the carrying value of long-lived assets when an indicator of impairment has been identified. The Company reviews the long-lived assets each reporting period to assess whether impairment indicators are present. For purposes of recognition and measurement of an impairment loss, a long-lived asset or assets is grouped with other assets and liabilities at the lowest level for which identifiable cash flows are largely independent of the cash flows of other assets and liabilities. For long-lived assets, when impairment indicators are present, the Company compares undiscounted future cash flows, including the eventual disposition of the asset group at market value, to the asset group's carrying value to determine if the asset group is recoverable. Assessments also consider changes in asset group utilization, including the temporary idling of capacity and the expected timing of placing this capacity back into production. If the sum of

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

the expected undiscounted cash flows is less than the carrying amount of the assets, the Company will recognize an impairment loss based on the fair value of the assets. The Company recorded impairment charges for property, plant and equipment of \$3,665, \$1,573 and \$6,992 for the years ended December 31, 2013, 2014 and 2015, respectively.

**(s) Interest capitalization**

The Company capitalizes interest costs as part of the historical costs of acquiring or constructing certain assets during the period of time required to get the assets ready for their intended use or sell the asset to a customer. The Company capitalizes interest costs to the extent that expenditures to acquire, construct, or develop an asset have occurred and interest costs have been incurred. Interest capitalized for property, plant and equipment, or solar power systems is depreciated over the estimated useful life of the related asset, as the qualifying asset is placed into service. The interest capitalized for project assets forms part of the cost of revenues when such project assets are sold and all revenue recognition criteria are met. Interest capitalization ceases once a project is substantially complete or no longer undergoing construction activities to prepare it for its intended use.

**(t) Assets retirement obligation**

Certain jurisdictions in which the Company's project assets are located or certain land lease agreements require the removal of the solar power systems when the project is decommissioned. ARO for the estimated costs of decommissioning associated with long-lived assets at a future date are accounted for in accordance with ASC 410-20, Asset Retirement Obligations ("ASC 410-20"). ASC 410-20 requires an entity to recognize the fair value of a liability for an ARO in the period in which it is incurred and a reasonable estimate of fair value can be made. Upon initial recognition of a liability for an ARO, the asset retirement cost is capitalized by increasing the carrying amount of the related long-lived asset by the same amount. Over time, the liability is accreted to its expected future value, while the capitalized cost is depreciated over the useful life of the related asset. The Company's ARO included in solar power systems were nil and \$7,574 as of December 31, 2014 and 2015, respectively.

**(u) Contingencies**

Liabilities for loss contingencies arising from claims, assessments, litigation, fines, and penalties and other sources are recorded when it is probable that a liability has been incurred and the amount can be reasonably estimated. If a potential material loss contingency is not probable but is reasonably possible, or is probable but the amount cannot be estimated, then the nature of the contingent liability, together with an estimate of the range of possible loss if determinable and material, is disclosed. Legal costs incurred in connection with loss contingencies are expensed as incurred.

**(v) Income taxes**

Deferred income taxes are recognized for temporary differences between the tax basis of assets and liabilities and their reported amounts in the financial statements, net tax loss carry-forwards and credits using the enacted tax rates expected to apply to taxable income in the periods in which the

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

deferred tax liability or asset is expected to be settled or realized. Deferred tax assets are reduced by a valuation allowance when it is more likely than not that some portion or all of the deferred tax assets will not be realized. Current income taxes are provided for in accordance with the laws of the relevant taxing authorities. The components of the deferred tax assets and liabilities are individually classified as current and non-current based on the characteristics of the underlying assets and liabilities, or the expected timing of their use when they do not relate to a specific asset or liability.

Income tax expense includes (i) deferred tax expense, which generally represents the net change in the deferred tax asset or liability balance during the year plus any change in valuation allowances; (ii) current tax expense, which represents the amount of tax currently payable to or receivable from a taxing authority; and (iii) non-current tax expense, which represents the increases and decreases in amounts related to uncertain tax positions from prior periods and not settled with cash or other tax attributes. The Company only recognizes tax benefits related to uncertain tax positions when such positions are more likely than not of being sustained upon examination. For such positions, the amount of tax benefit that the Company recognizes is the largest amount of tax benefit that is more than fifty percent likely of being sustained upon the ultimate settlement of such uncertain tax position. The Company records penalties and interests associated with the uncertain tax positions as a component of income tax expense.

**(w) Revenue recognition**

Solar power products

The Company recognizes revenues for solar product sales when persuasive evidence of an arrangement exists, delivery of the product has occurred and title and risk of loss has passed to the customers, the sales price is fixed or determinable and the collectability of the resulting receivable is reasonably assured. If collectability is not reasonably assured, the Company recognizes revenue only upon collection of cash. Revenues also include reimbursements received from customers for shipping and handling costs. Sales agreements typically contain the customary product warranties but do not contain any post-shipment obligations nor any return or credit provisions.

A majority of the Company's contracts provide that products are shipped under the term of free on board ("FOB"), ex-works, or cost, insurance and freight ("CIF") and delivered duty paid ("DDP"). Under FOB, the Company fulfills its obligation to deliver when the goods have passed over the ship's rail at the named port of shipment. The customer has to bear all costs and risks of loss or damage to the goods from that point. Under ex-works, the Company fulfills its obligation to deliver when it has made the goods available at its premises to the customer. The customer bears all costs and risks involved in taking the goods from the Company's premises to the desired destination. Under CIF, the Company must pay the costs, marine insurance and freight necessary to bring the goods to the named port of destination but the risk of loss of or damage to the goods as well as any additional costs due to events occurring after the time the goods have been delivered on board the vessel, is transferred to the customer when the goods pass the ship's rail in the port of shipment. Under DDP, the Company is responsible for making a safe delivery of goods to a named destination, paying all transportation

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

expenses and the duty. The Company bears the risks and costs associated with supplying the goods to the delivery location.

As of December 31, 2013, 2014 and 2015, the Company had inventories of \$8.2 million, \$7.5 million and \$7.3 million, respectively, relating to sales to customers where revenues were not recognized because the collection of payment was not reasonably assured. The delivered products remain as inventories on consolidated balance sheets, regardless of whether title has been transferred. In such cases, the Company recognizes revenue, adjusts inventories and recognizes cost of revenues when payment is collected from customers.

Revenues from sales to customers are recorded net of estimated returns.

The Company enters into toll manufacturing arrangements in which the Company receives cells and returns finished modules. In such cases, the title of the cells received and risk of loss remains with the seller. As a result, the Company does not recognize inventory on the consolidated balance sheets. The Company recognizes a service fee as revenue when the processed modules are delivered. During the years ended December 31, 2013, 2014 and 2015, the Company recognized revenue of \$13,953, \$16,578 and \$6,764, respectively, under toll manufacturing arrangements.

EPC services and development services

The Company uses the percentage-of-completion method to recognize revenues for which the Company provides EPC services and development services, unless the Company cannot make reasonably dependable estimates of the costs to complete the contract, in which case the Company would use the completed contract method. The percentage-of-completion method is considered appropriate in circumstances in which reasonably dependable estimates can be made and in which all the following conditions exist: (i) contracts executed by the parties normally include provisions that clearly specify the enforceable rights regarding goods or services to be provided and received by the parties, the consideration to be exchanged, and the manner and terms of settlement; (ii) the buyer can be expected to satisfy all obligations under the contract; and (iii) the contractor can be expected to perform all contractual obligations. The Company uses the cost-to-cost method to measure the percentage of completion and recognize revenue based on the estimated progress to completion. The Company periodically revises its profit estimates based on changes in facts, and immediately recognizes any losses that are identified on contracts. Incurred costs include all direct material, labor, subcontractor cost, and other associated costs. The Company recognizes job material costs as incurred costs when the job materials have been permanently attached or fitted to the solar power projects as required by the engineering design. The construction periods normally extend beyond six months and less than one year.

The percentage-of-completion method of revenue recognition requires the Company to make estimates of net contract revenues and costs to complete contracts. In making such estimates, management judgments are required to evaluate significant assumptions including the amount of net contract revenues, the cost of materials and labor, expected labor productivity, the impact of potential variances in schedule completion, and the impact of any penalties, claims, change orders, or performance incentives.

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

If estimated total costs on any contract are greater than the net contract revenues, the Company recognizes the entire estimated loss in the period the loss becomes known. The cumulative effect of the revisions to estimates related to net contract revenues and costs to complete contracts, including penalties, claims, change orders, performance incentives, anticipated losses, and others are recorded in the period in which revisions to the estimates are identified and the amounts can be reasonably estimated. The effect of the changes on future periods are recognized as if the revised estimates had been used since revenue was initially recognized under the contract. Such revisions could occur in any reporting period, and the effects may be material depending on the size of the contracts or the changes in estimates.

Solar power projects

The Company recognizes revenue from the sale of project assets in accordance with ASC 360-20, Real Estate Sales. For these transactions, the Company has determined that the project assets, which represent the costs of constructing solar power projects, represent "integral" equipment and as such, the entire transaction is in substance the sale of real estate and subject to the revenue recognition guidance under ASC 360-20 Real Estate Sales. The Company records the sale as revenue using one of the following revenue recognition methods, based upon evaluation of the substance and form of the terms and conditions of such real estate sales arrangements:

- (i) Full accrual method. The Company records revenue for certain sales arrangements after construction of discrete portions of a project or after the entire project is substantially complete. The Company recognizes revenue and profit using the full accrual method when all of the following requirements are met: (a) the sales are consummated; (b) the buyer's initial and continuing investments are adequate to demonstrate its commitment to pay; (c) the receivable is not subject to any future subordination; and (d) the Company has transferred the usual risk and rewards of ownership to the buyer. Specifically, the Company considers the following factors in determining whether the sales have been consummated: (a) the parties are bound by the terms of a contract; (b) all consideration has been exchanged; (c) permanent financing for which the seller is responsible has been arranged; and (d) all conditions precedent to closing have been performed, and the Company does not have any substantial continuing involvement with the project.
- (ii) Percentage-of-completion method. The Company applies the percentage-of-completion method, as further described below, to certain real estate sales arrangements where the Company conveys control of land or land rights, (a) when a sale has been consummated; (b) the Company has transferred the usual risks and rewards of ownership to the buyer; (c) the initial and continuing investment criteria have been met; (d) the Company has the ability to estimate its costs and progress toward completion, and (e) all other revenue recognition criteria have been met. The initial and continuing investment requirements, which demonstrate a buyer's commitment to honor their obligations for the sales arrangement, can typically be met through the receipt of cash or an irrevocable letter of credit from a highly creditworthy lending institution. When evaluating whether the usual risks and rewards of ownership have transferred to the buyer, the Company considers whether it has or may be



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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)

contingently required to have any prohibited forms of continuing involvement with the project. Prohibited forms of continuing involvement in a real estate sales arrangement may include the Company retaining risks or rewards associated with the project that are not customary with the range of risks or rewards that an EPC contractor may assume.

(iii)

Installment method. Depending on whether the initial and continuing investment requirements have been met, and whether collectability from the buyer is reasonably assured, the Company may align its revenue recognition and release of project assets or deferred project costs to cost of sales with the receipt of payment from the buyer if the sale has been consummated and the Company has transferred the usual risks and rewards of ownership to the buyer.

(iv)

Financing method. On occasion the Company sells an interest in the project assets to a third party with an option to repurchase those assets in the future. The Company considers that there are continuing involvements in the projects, and thus no profit or sales is recognized. All the project assets remain on the Company's consolidated balance sheets. The total proceeds from the buyers are reflected as other non-current liabilities on the consolidated balance sheets. The buyer's shares of earnings in the projects, during each period are reflected as interest expenses with a corresponding increase to the respective financing liabilities. Further distributions from the partnership are reflected as a decrease to the other non-current liabilities. As of December 31, 2015, the Company recorded \$3.2 million included in other non-current liabilities on the consolidated balance sheet. There were no distributions during the year ended December 31, 2015.

During 2013, 2014 and 2015, the Company recognized \$211,123, \$754,210 and \$557,132 of revenue from the sale of solar power projects using the full accrual method and recognized \$81,234, \$137,726 and \$863 from sales of power projects using percentage-of-completion method, respectively.

The Company allocates revenue for transactions involving multiple-element arrangements to each unit of accounting on a relative fair value basis. The Company estimates fair value on each unit of accounting on the following basis (i) vendor-specific objective evidence of selling price, if it exists, otherwise, (ii) third-party evidence of selling price. If neither (i) nor (ii) exists, management's best estimate of the selling price for that unit of accounting is used. The Company recognizes revenue for each unit of accounting when the revenue recognition criteria have been met.

Electricity revenue

Electricity revenue is generated primarily from various non-affiliated parties under long-term PPAs and performance based energy incentives. The Company recognizes electricity revenue when persuasive evidence of an arrangement exists, electricity has been generated and transmitted to the grid, the price of electricity is fixed or determinable and the collectability of the resulting receivable is reasonably assured.

Performance-based energy incentives are awarded under certain state programs for the delivery of renewable electricity. The Company recognizes performance-based energy incentives of electricity revenue generated from solar power systems when the condition attached to it has been met and there

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

is reasonable assurance that the grant will be received. During the years ended December 31, 2013, 2014 and 2015, the Company recognized performance-based energy incentives of \$1.2 million, \$2.0 million, and \$16.1 million related to electricity generated from solar power systems in revenue.

Certain PPAs are accounted for as operating leases in accordance with ASC 840-20, Operating leases. Minimum lease payments are recognized over the term of the lease and contingent rents are recorded when the achievement of the contingency becomes probable in accordance with the U.S. GAAP. None of the Company's operating leases have minimum lease payments, so revenue from these contracts is recognized as energy and any related renewable energy attributes are delivered. During the years ended December 31, 2013, 2014 and 2015, the total lease income recognized were nil, nil, and \$6.1 million related to PPAs, respectively.

*(x) Shipping and handling costs*

Payments received from customers for shipping and handling costs are included in net revenues. Shipping and handling costs relating to sales of \$33,938, \$55,671 and \$73,008, are included in selling expenses for the years ended December 31, 2013, 2014 and 2015, respectively.

*(y) Research and development*

Research and development costs are expensed when incurred and amounted to \$11,685, \$12,057 and \$17,056 for the years ended December 31, 2013, 2014 and 2015, respectively.

*(z) Advertising expenses*

Advertising expenses are expensed when incurred and amounted to \$4,669, \$6,581 and \$5,953 for the years ended December 31, 2013, 2014 and 2015, respectively.

*(aa) Warranty cost*

Before June 2009, the Company typically sold its standard solar modules with a two-year guarantee for defects in materials and workmanship and a 10-year and 25-year warranty against declines of more than 10% and 20%, respectively, from the initial minimum power generation capacity at the time of delivery. In June 2009, the Company increased its warranty against defects in materials and workmanship to six years.

Effective August 1, 2011, the Company has increased its warranty against defects in materials and workmanship to ten years and the Company guarantee that, for a period of 25 years, its standard solar modules will maintain the following performance levels: (i) during the first year, the actual power output of the module will be no less than 97% of the labeled power output; (ii) from year 2 to year 24, the actual annual power output decline of the module will be no more than 0.7%; and (iii) by the end of year 25, the actual power output of the module will be no less than 80% of the labeled power output.

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

Effective June 1, 2015, the Company guarantee that, for a period of 25 years, its polycrystalline modules will maintain the following performance levels: (i) during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output; (ii) from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and (iii) by the end of year 25, the actual power output of the module will be no less than 80.7% of the labeled power output.

Effective June 1, 2015, the Company guarantee that, for a period of 25 years, its monocrystalline modules will maintain the following performance levels: (i) during the first year, the actual power output of the module will be no less than 97% of the labeled power output; (ii) from year 2 to year 24, the actual annual power output decline will be no more than 0.7%; and (iii) by the end of year 25, the actual power output of the module will be no less than 80.2% of the labeled power output. In addition, effective January 1, 2015, the Company lengthened the warranty against decline in its Dymond modules to 30 years and the Company guarantee that, for a period of 30 years, the Dymond modules will maintain the following performance levels: (i) during the first year, the actual power output of the module will be no less than 97.5% of the labeled power output; (ii) from year 2 to year 29, the actual annual power output decline will be no more than 0.5%; and (iii) by the end of year 30, the actual power output of the module will be no less than 83% of the labeled power output.

In resolving claims under the workmanship warranty, the Company has the option of remedying through repair, refurbishment or replacement of equipment. In resolving claims under the performance warranty, the Company has the right to repair or replace solar modules, at the Company's option.

For utility-scale solar power projects built by the Company, the Company provides a limited workmanship or balance of system warranty against defects in engineering design, installation and construction under normal use, operation and service conditions for a period of up to five years following the energizing of the solar power plant. In resolving claims under the workmanship or balance of system warranty, the Company has the option of remedying through repair, refurbishment or replacement of equipment. The Company has entered into similar workmanship warranties with its suppliers to back up its warranties.

The Company maintains warranty reserves to cover potential liabilities that could arise under these guarantees and warranties. Due to limited warranty claims to date, the Company accrues the estimated costs of warranties based on an assessment of its competitors' and its own actual claim history, industry-standard accelerated testing, estimates of failure rates from the Company's quality review, and other assumptions that the Company believes to be reasonable under the circumstances. Actual warranty costs are accumulated and charged against the accrued warranty liability. To the extent that accrual for warranty costs differs from the estimates, the Company will prospectively revise its accrual rate. The Company currently records a 1% warranty provision against the revenue for sales of solar power products.

In April 2010, the Company began entering into agreements with a group of insurance companies with high credit ratings to back up its warranties. Under the terms of the insurance policies, which are designed to match the terms of its solar module product warranty policy, the insurance companies are obliged to reimburse the Company, subject to certain maximum claim limits and certain deductibles, for the actual product warranty costs that the Company incurs under the terms of its solar module product

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

warranty policy. The Company records the insurance premiums initially as prepaid expenses and amortizes them over the respective policy period of one year. Each prepaid policy provides insurance against warranty costs for panels sold within that policy year. The unamortized carrying amount is \$1,083, \$1,196 and \$1,921 as of December 31, 2013, 2014 and 2015, respectively and was included as a component of prepaid expenses and other current assets.

The warranty obligations the Company records relate to defects that existed when the product was sold to the customer. The event which the Company is insured against through its insurance policies is the sale of products with these defects. Accordingly, the Company views the insured losses attributable to the shipment of defective products covered under its warranty as analogous to potential claims, or claims that have been incurred as of the product ship date, but not yet reported. The Company expects to recover all or a portion of its obligation through insurance claims. Therefore, the Company's accounting policy is to record an asset for the amount determined to be probable of recovery from the insurance claims (not to exceed the amount of the total losses incurred), consistent with the guidance set forth at ASC 410-30.

The Company considers the following factors in determining whether an insurance receivable that is probable and recoverability can be reasonably estimated: (i) reputation and credit rating of the insurance company; (ii) comparison of the solar module product warranty policy against the terms of the insurance policies, to ensure valid warranty claims submitted by customers will be covered by the policy and therefore reimbursed by the insurance companies; and (iii) with respect to specific claims submitted, written communications from the insurance company are monitored to ensure the claim has been promptly submitted to and accepted by the insurance company, and reimbursements have been subsequently collected. The successfully processed claims provide further evidence that the insurance policies are functioning as anticipated.

To the extent uncertainties regarding the solvency of insurance carriers or the legal sufficiency of insurance claims (including if they became subject to litigation) were to arise, the Company will establish a provision for uncollectible amounts based on the specific facts and circumstances. To date, no provision had been determined to be necessary. In addition, to the extent that accrual for warranty costs differs from the estimates and the Company prospectively revises its accrual rate, this change may result in a change to the amount expected to be recovered from insurance.

As the warranty obligation and related recovery asset do not meet the criteria for offsetting, the gross amounts are reported in the Company's consolidated balance sheets. The asset is expected to be realized over the life of the warranty obligation, which is 25 years and is treated as a non-current asset consistent with the underlying warranty obligation. When a specific claim is submitted, and the corresponding insurance proceeds will be collected within twelve months of the balance sheet date, the Company will reclassify that portion of the receivable as being current. The insurance receivable amounts were \$43,402 and \$56,605 at the end of 2014 and 2015, respectively, and were included as a component of other non-current assets.

The Company made downward adjustments to its accrued warranty costs of \$9,070 and other non-current assets of \$5,024, for the year ended December 31, 2015, to reflect the general declining trend of the average selling price of solar modules, which is a primary input into the estimated

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

warranty costs. Accrued warranty costs (net effect of adjustments) of \$(16,465), \$18,570 and \$15,876 are included in cost of revenues for the years ended December 31, 2013, 2014 and 2015, respectively.

***(ab) Redeemable non-controlling interests***

Redeemable non-controlling interests are equity interests in common stock of consolidated subsidiaries that have redemption features that are not solely within the Company's control. These interests are classified as temporary equity because their redemption is considered probable. These interests are measured at the greater of estimated redemption value at the end of each reporting period or the initial carrying amount of the redeemable non-controlling interests adjusted for cumulative earnings allocations.

***(ac) Foreign currency translation***

The United States dollar ("U.S. dollar" or "\$"), the currency in which a substantial amount of the Company's transactions are denominated, is used as the functional and reporting currency of CSI. Monetary assets and liabilities denominated in currencies other than the U.S. dollar are translated into U.S. dollars at the rates of exchange ruling at the balance sheet date. Transactions in currencies other than the U.S. dollar during the year are converted into the U.S. dollar at the applicable rates of exchange prevailing on the transaction date. Transaction gains and losses are recognized in the consolidated statements of operations. Gains and losses on intra-entity foreign currency transactions that are of a long-term-investment nature (that is, settlement is not planned or anticipated in the foreseeable future) between consolidated entities are not recognized in earnings, but are included as a component of other comprehensive income.

The financial records of certain of the Company's subsidiaries are maintained in local currencies other than the U.S. dollar, such as Renminbi ("RMB"), Euro, Canadian dollar ("CAD") and Japanese yen, which are their functional currencies. Assets and liabilities are translated at the exchange rates at the balance sheet date, equity accounts are translated at historical exchange rates and revenues, expenses, gains and losses are translated using the average rate for the year. Translation adjustments are reported as foreign currency translation adjustment and are shown as a separate component of other comprehensive income in the statements of comprehensive income.

***(ad) Comprehensive income***

Comprehensive income includes all changes in equity except those resulting from investments by owners and distributions to owners. For the years presented, total comprehensive income included (i) net income, (ii) foreign currency translation adjustments, (iii) gains and losses on intra-entity foreign currency transactions that are of a long-term-investment nature (that is, settlement is not planned or anticipated in the foreseeable future) between consolidated entities, and (iv) the unrealized gains or losses (effective portion) on derivative instruments that qualify for and have been designated as cash flow hedges.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)

*(ae) Foreign currency risk*

The RMB is not a freely convertible currency. The PRC State Administration for Foreign Exchange, under the authority of the People's Bank of China, controls the conversion of RMB into foreign currencies. The value of the RMB is subject to changes in central government policies and to international economic and political developments affecting supply and demand in the China foreign exchange trading system market. The Company's cash and cash equivalents and restricted cash denominated in RMB amounted to \$497,510, \$574,531 and \$722,734 as of December 31, 2013, 2014 and 2015, respectively.

*(af) Concentration of credit risk*

Financial instruments that potentially expose the Company to concentrations of credit risk consist primarily of cash and cash equivalents, restricted cash, accounts receivable, advances to suppliers and amounts due from related parties.

All of the Company's cash and cash equivalents are held with financial institutions that Company management believes to have high credit quality.

The Company conducts credit evaluations of customers and generally does not require collateral or other security from its customers. The Company establishes an allowance for doubtful accounts primarily based upon the age of the receivables and factors surrounding the credit risk of specific customers. With respect to advances to suppliers, such suppliers are primarily suppliers of raw materials. The Company performs ongoing credit evaluations of its suppliers' financial conditions. The Company generally does not require collateral or security against advances to suppliers, however, it maintains a reserve for potential credit losses and such losses have historically been within management's expectation.

The prepayments made by the Company are unsecured and expose the Company to supplier credit risk. As of December 31, 2014 and 2015, gross prepayments made to individual suppliers in excess of 10% of total advances to suppliers are as follows:

|            | At December 31,<br>2014 | At December 31,<br>2015 |
|------------|-------------------------|-------------------------|
|            | \$                      | \$                      |
| Supplier A | 16,268                  | 18,260                  |
| Supplier B | 10,459                  | 9,086                   |

*(ag) Fair Value of Financial Instruments*

The Company applies authoritative guidance for fair value measurements for its financial assets and liabilities. The guidance defines fair value as an exit price representing the amount that would be received upon the sale of an asset or paid to transfer a liability in an orderly transaction between market participants. The guidance also establishes a fair value hierarchy, which prioritized the inputs

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

used in measuring fair value. The standard describes three levels of inputs that may be used to measure fair value:

*Level 1* Observable inputs that reflect quoted prices (unadjusted) for identical assets or liabilities in active markets. The Company's restricted cash balance for all periods presented uses level one fair value inputs.

*Level 2* Inputs reflect quoted prices for identical assets or liabilities in markets that are not active; quoted prices for similar assets or liabilities in active markets; inputs other than quoted prices that are observable for the assets or liabilities; or inputs that are derived principally from or corroborated by observable market data by correlation or other means.

*Level 3* Unobservable inputs reflecting the Company's own assumptions incorporated in valuation techniques used to determine fair value. These assumptions are required to be consistent with market participant assumptions that are reasonably available.

**(ah) Derivatives instruments and hedging activity**

The Company's primary objective for holding derivative financial instruments is to manage risks. Depending on the terms of the specific derivative instruments and market conditions, some of the Company's derivative instruments may be assets and others liabilities at any particular point in time. The recognition of gains or losses resulting from changes in fair value of these derivative instruments is based on the use of each derivative instrument and whether it qualifies for hedge accounting.

The Company enters into derivatives to hedge its foreign currency risk, exposure to losses from price adjustments of electricity and interest rate risk. When the Company determines to designate a derivative instrument as a cash flow hedge, the Company formally documents the hedging relationship and its risk management objective and strategy for undertaking the hedge, the hedging instrument, the hedged item, the nature of the risk being hedged, how the hedging instrument's effectiveness in offsetting the hedged risk will be assessed, and a description of the method of measuring ineffectiveness. The Company also formally assesses, both at the hedge's inception and on an ongoing basis, whether the derivative that is used in hedging transactions is highly effective in offsetting changes in cash flows of hedged items. The effective portion of gains and losses on derivatives designated as cash flow hedges are initially deferred in other comprehensive income before being recognized in the statements of operations in the same period as the hedged transactions are reflected in earnings. Gains and losses on derivatives that are not designated or fail to qualify as effective hedges are recognized in the statements of operations as incurred.

Fair value of the derivative instruments is determined using pricing models developed based on the underlying price of the hedged items. The values are also adjusted to reflect nonperformance risk of the counterparty and the Company, as necessary.

CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

*(ai) Earnings (loss) per share*

Basic earnings (loss) per share is computed by dividing income (loss) attributable to holders of common shares by the weighted average number of common shares outstanding during the year. Diluted earnings (loss) per common share reflects the potential dilution that could occur if securities or other contracts to issue common shares were exercised or converted into common shares. Common share equivalents are not included in the calculation of dilutive earnings per share if their effects are anti-dilutive.

*(aj) Share-based compensation*

The Company's share-based compensation with employees, such as share options, restricted shares and restricted share units ("RSUs"), is measured at the grant date, based on the fair value of the award, and is recognized as compensation expense, net of estimated forfeitures, over the period during which an employee is required to provide service in exchange for the award, which is generally the vesting period.

*(ak) Recently issued accounting pronouncements*

In May 2014, the Financial Accounting Standards Board (or "FASB") issued Accounting Standards Updates (or "ASU") 2014-09, Revenue from Contracts with Customers (Topic 606), to clarify the principles of recognizing revenue and create common revenue recognition guidance between U.S. GAAP and International Financial Reporting Standards ("IFRS"). An entity has the option to apply the provisions of ASU 2014-09 either retrospectively to each prior reporting period presented or retrospectively with the cumulative effect of initially applying this standard recognized at the date of initial application. ASU 2014-09 is effective for fiscal years and interim periods within those years beginning after December 15, 2016, and early adoption is not permitted. In August, 2015, the FASB updated this standard to ASU 2015-14, the amendments in this Update defer the effective date of Update 2014-09, that the Update should be applied to annual reporting periods beginning after December 15, 2017 and earlier application is permitted only as of annual reporting periods beginning after December 15, 2016, including interim reporting periods within that reporting period. The Company is still in the process of assessing the potential financial impact the adoption will have to the Company.

In February 2015, the FASB issued ASU 2015-02, Consolidation (Topic 810) Amendments to the Consolidation Analysis. ASU 2015-02 modifies existing consolidation guidance related to (i) limited partnerships and similar legal entities, (ii) the evaluation of variable interests for fees paid to decision makers or service providers, (iii) the effect of fee arrangements and related parties on the primary beneficiary determination, and (iv) certain investment funds. These changes are expected to limit the number of consolidation models and place more emphasis on risk of loss when determining a controlling financial interest. ASU 2015-02 is effective for fiscal years and interim periods within those years beginning after December 15, 2015. Early adoption is permitted. The Company is still in the process of assessing the potential financial impact to the Company.



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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

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**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

In April 2015, the FASB issued ASU 2015-03 as part of its simplification initiative. Under the ASU, an entity presents such costs in the balance sheet as a direct deduction from the related debt liability rather than as an asset. Amortization of the costs is reported as interest expense. The requirement to present debt issuance costs as a direct reduction of the related debt liability (rather than as an asset) is consistent with the presentation of debt discounts under U.S. GAAP. In August 2015, the FASB issued ASU 2015-15 related with the presentation and subsequent measurement of debt issuance costs associated with line-of-credit arrangements, under which the SEC staff stated it would not object to an entity deferring and presenting debt issuance costs as an asset and subsequently amortizing the deferred debt issuance costs ratably over the term of the line-of-credit arrangement, regardless of whether there are any outstanding borrowings on the line-of-credit arrangement. The Company plans to adopt the new standard for the year beginning January 1, 2016 retrospectively, and does not expect the adoption to have a significant net impact on the financial statements.

In July, 2015, the FASB issued ASU 2015-11 as part of its simplification initiative. The ASU changes the way of measurement on inventory, which currently requires an entity to measure inventory at the lower of cost or market. The amendments in this Update require an entity to measure inventory within the scope of this Update at the lower of cost and net realizable value. The Company plans to adopt the new standard for the year beginning January 1, 2016, and is still in the process of assessing the potential financial impact to the Company.

In September 2015, the FASB issued ASU 2015-16 related to the accounting for measurement period adjustments recognized in a business combination. Under the previous standard, when adjustments were made to amounts previously reported as part of a business combination during the measurement period, entities were required to revise comparative information for prior periods. Under the new standard, entities must recognize these adjustments in the reporting period in which the amounts are determined rather than retrospectively. The Company adopted the new standard during the fourth quarter of 2015, which did not have a significant impact on the financial statements.

In November 2015, the FASB issued ASU 2015-17 as part of its simplification initiative. To simplify the presentation of deferred income taxes, the amendments in this Update require that deferred tax liabilities and assets be classified as noncurrent in a classified statement of financial position. The Company plans to adopt the new standard for the year beginning January 1, 2016 retrospectively, and does not expect the adoption to have a significant net impact on the financial statements.

In January 2016, the FASB issued ASU 2016-01, Financial Instruments - Overall (Subtopic 825-10) - Recognition and Measurement of Financial Assets and Financial Liabilities. ASU 2016-01 changes how entities measure certain equity investments and present changes in the fair value of financial liabilities measured under the fair value option that are attributable to their own credit. The guidance also changes certain disclosure requirements and other aspects of current U.S. GAAP. ASU 2016-01 is effective for fiscal years and interim periods within those years beginning after December 15, 2017, and certain provisions of the guidance may be early adopted. The Company is still evaluating the impact ASU 2016-01 will have on the consolidated financial statements and associated disclosures.

In February 2016, the FASB issued ASU 2016-02, "Leases (Topic 842)". This update requires an entity to recognize lease assets and lease liabilities on the balance sheet and to disclose key information

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**2. SUMMARY OF PRINCIPAL ACCOUNTING POLICIES (Continued)**

about the entity's leasing arrangements. ASU 2016-02 is effective for annual reporting periods, and interim periods therein, beginning after December 15, 2018, with early application permitted. A modified retrospective approach is required. The Company is currently evaluating the impact of the adoption this standard on its consolidated financial statements.

In March 2016, the FASB issued ASU2016-09, "Compensation - Stock Compensation (Topic 718) Improvements to Employee Share-Based Payment Accounting". This guidance is intended to simplify the employee share-based payment accounting regarding several aspects, including the income tax consequences, classification of awards as either equity or liabilities, and classification on the statement of cash flows. For public business entities, the amendments in this ASU are effective for annual periods beginning after December 15, 2016, and interim periods within those annual periods. Early adoption is permitted for any entity in any interim or annual period. If an entity early adopts the amendments in an interim period, any adjustments should be reflected as of the beginning of the fiscal year that includes that interim period. An entity that elects early adoption must adopt all of the amendments in the same period. The Company is in the process of evaluating the impact of the standard on its consolidated financial statements.

**3. BUSINESS COMBINATION**

Acquisition of Recurrent

On March 30, 2015, the Company acquired 100% of the equity interests in Recurrent Energy, LLC ("Recurrent"), a limited liability company organized and existing under the laws of the State of Delaware. Through its subsidiaries, Recurrent engages in developing, building, operating and sales of utility scale and commercial solar systems. Subsequent to the acquisition, Recurrent has become a wholly owned subsidiary of the Company and operates and develops its major solar project pipeline in the United States.

The purchase price of Recurrent was allocated to identifiable assets acquired and liabilities assumed on their estimated fair values at the date of acquisition. The excess of the purchase price over fair value of net assets acquired was allocated to goodwill.

The Company acquired Recurrent for a total cash consideration of approximately \$261.4 million. The fair values assigned are based on reasonable methods applicable to the nature of the assets

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**3. BUSINESS COMBINATION (Continued)**

acquired and liabilities assumed. The following table summarized the estimated fair values of assets acquired and liabilities assumed at the date of acquisition.

|  | In Millions of<br>U.S. Dollars |
|--|--------------------------------|
| <b>Recognized identifiable assets acquired and liabilities assumed</b> |                                |
| Cash   | 108.4                          |
| Restricted cash  | 38.2                           |
| Project assets   | 233.5                          |
| Solar power systems, net   | 46.8                           |
| Other assets   | 40.2                           |
| Less : Long term borrowings and notes payable                          | 165.2                          |
| Other liabilities  | 51.4                           |
| <b>Total identifiable net assets</b>                                   | <b>250.5</b>                   |

**Goodwill** **10.9**

The goodwill is allocated to each project under Recurrent with respect to their fair value. None of the goodwill recognized from the acquisition of Recurrent is expected to be deductible for income tax purposes. Goodwill recognized from this acquisition reflects the current value of the expected future income resulting from synergies of the combined operations.

Revenue of the Company for the year ended December 31, 2015 included \$266.9 million generated from Recurrent since acquisition day, and net income of the Company for the year ended December 31, 2015 included \$3.5 million net income from Recurrent since acquisition, respectively.

Bank fees, legal costs and accounting costs associated with the acquisition of \$4.2 million have been expensed and recorded within general and administrative expenses in the consolidated statement of operations for the year ended December 31, 2015.

Acquisition of SSM

On September 28, 2015, the Company acquired 100% of the equity interests in SSM1 Solar ULC, SSM2 Solar ULC, and SSM3 Solar ULC (together as "SSM"). Subsequent to the acquisition, SSM have become wholly owned subsidiaries of the Company and operates and develops its solar project pipeline in Canada.

The Company acquired SSM for a total cash consideration of approximately \$59.0 million. The purchase price allocation for this acquisition has not yet been finalized. The following table summarized

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 3. BUSINESS COMBINATION (Continued)

the preliminary fair value of assets acquired and liabilities assumed at the acquisition date. The final allocation of the purchase price may differ from this preliminary allocation.

|  | In Millions of<br>U.S. Dollars |
|--|--------------------------------|
| <b>Recognized identifiable assets acquired and liabilities assumed</b> |                                |
| Cash   | 8.1                            |
| Solar power systems  | 141.9                          |
| Intangible assets  | 72.0                           |
| Other assets   | 11.7                           |
| Less: Short-term borrowings  | 7.4                            |
| Long-term borrowings   | 134.6                          |
| Other liabilities  | 32.7                           |
| <b>Total identifiable net assets</b>                                   | <b>59.0</b>                    |

Bank fees, legal costs and accounting costs associated with the acquisition of \$2.4 million have been expensed and recorded within general and administrative expenses in the consolidated statement of operations for the year ended December 31, 2015.

Pro forma results of acquisitions (unaudited)

The following pro forma condensed consolidated financial results of operations are presented as if the acquisitions described above had been completed at the beginning of the comparable annual reporting period. Specifically, the pro forma results give effect as though the acquisition of Recurrent and the acquisition of SSM were consummated on January 1, 2014.

|  | Years end<br>December 31, |           |
|--|---------------------------|-----------|
|  | 2014                      | 2015      |
| <b>(In thousands of U.S. Dollars, except per share data)</b>   |                           |           |
| Pro forma sales  | 4,174,232                 | 3,505,324 |
| Pro forma net income attributable to Canadian Solar Inc.       | 431,539                   | 159,231   |
| Diluted earnings per share attributable to Canadian Solar Inc. | 7.35                      | 2.72      |

The unaudited pro forma net income for the year ended December 31, 2015 excludes the impact of \$6.6 million of non-recurring items related to transaction related costs.

The pro forma condensed consolidated financial information has been prepared for comparative purposes only and includes certain adjustments, as noted above. The adjustments do not reflect the effect of costs or synergies that would have been expected to result from the integration of the acquisitions. The pro forma information does not purport to be indicative of the results of operations that actually would have resulted had the combinations occurred at the beginning of each period presented or of future results of the consolidated entities.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**4. ALLOWANCE FOR DOUBTFUL ACCOUNTS**

Allowance for doubtful accounts are comprised of allowances for accounts receivable trade, advances to suppliers and other receivables.

An analysis of allowances for accounts receivable, trade for the years ended December 31, 2013, 2014 and 2015 is as follows:

|  | Years Ended December 31, |         |         |
|--|--------------------------|---------|---------|
|  | 2013                     | 2014    | 2015    |
|  | \$                       | \$      | \$      |
| Beginning of the year                    | 47,582                   | 38,483  | 31,817  |
| Allowances reversed during the year, net | (1,897)                  | (5,843) | (1,084) |
| Accounts written-off against allowances  | (7,878)                  | (9)     | (858)   |
| Foreign exchange effect                  | 676                      | (814)   | (1,719) |
| Closing balance                          | 38,483                   | 31,817  | 28,156  |

An analysis of allowances for advances to suppliers for the years ended December 31, 2013, 2014 and 2015 is as follows:

|   | Years Ended December 31, |         |         |
|---|--------------------------|---------|---------|
|   | 2013                     | 2014    | 2015    |
|   | \$                       | \$      | \$      |
| Beginning of the year                   | 38,545                   | 40,047  | 37,735  |
| Allowances made during the year, net    | 855                      | 4       | 1,291   |
| Accounts written-off against allowances |                          |         | (9,465) |
| Foreign exchange effect                 | 647                      | (2,316) | (932)   |
| Closing balance                         | 40,047                   | 37,735  | 28,629  |

An analysis of allowances for other receivables for the years ended December 31, 2013, 2014, 2015 is as follows:

|   | Years Ended<br>December 31, |      |       |
|---|-----------------------------|------|-------|
|   | 2013                        | 2014 | 2015  |
|   | \$                          | \$   | \$    |
| Beginning of the year                           | 756                         | 887  | 830   |
| Allowances made (reversed) during the year, net | 108                         | (53) | 3,257 |
| Foreign exchange effect                         | 23                          | (4)  | (202) |
| Closing balance                                 | 887                         | 830  | 3,885 |



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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**5. INVENTORIES**

Inventories consist of the following:

|                 | At December 31,<br>2014 | At December 31,<br>2015 |
|-----------------|-------------------------|-------------------------|
|                 | \$                      | \$                      |
| Raw materials   | 95,224                  | 97,331                  |
| Work-in-process | 33,207                  | 18,904                  |
| Finished goods  | 303,894                 | 218,254                 |
|                 | 432,325                 | 334,489                 |

In 2013, 2014 and 2015, inventory was written down by \$715, \$16,951 and \$23,013, respectively, to reflect the lower of cost or market measurement.

**6. PROJECT ASSETS**

Project assets consist of the following:

|                                   | At December 31,<br>2014 | At December 31,<br>2015 |
|-----------------------------------|-------------------------|-------------------------|
|                                   | \$                      | \$                      |
| Project assets Acquisition cost   | 119,060                 | 2,220                   |
| Project assets EPC and other cost | 185,451                 | 111,911                 |
|                                   | 304,511                 | 114,131                 |

|                     |         |         |
|---------------------|---------|---------|
| Current portion     | 235,228 | 111,317 |
| Non-current portion | 69,283  | 2,814   |

The Company recorded impairment charges for project assets of \$1,558, \$2,311 and nil for the years ended December 31, 2013, 2014 and 2015, respectively.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**7. PROPERTY, PLANT AND EQUIPMENT, NET**

Property, plant and equipment, net consist of the following:

|                                    | At December 31,<br>2014 | At December 31,<br>2015 |
|------------------------------------|-------------------------|-------------------------|
|                                    | \$                      | \$                      |
| Buildings                          | 182,889                 | 166,030                 |
| Leasehold improvements             | 6,849                   | 7,755                   |
| Machinery                          | 459,272                 | 459,471                 |
| Furniture, fixtures and equipment  | 36,526                  | 39,413                  |
| Motor vehicles                     | 3,365                   | 3,907                   |
|                                    | 688,901                 | 676,576                 |
| Accumulated depreciation           | (348,143)               | (391,635)               |
| Impairment                         | (1,605)                 | (8,470)                 |
|                                    | 339,153                 | 276,471                 |
| Construction in process            | 33,328                  | 54,581                  |
| Property, plant and equipment, net | 372,481                 | 331,052                 |

Depreciation expense of property, plant and equipment was \$79,726, \$79,895 and \$80,642 for the years ended December 31, 2013, 2014 and 2015, respectively. Construction in process primarily represents production facilities under construction and the machinery under installation.

**8. SOLAR POWER SYSTEMS, NET**

Solar power systems, net consist of the following:

|  | At December 31,<br>2014 | At December 31,<br>2015 |
|--|-------------------------|-------------------------|
|  | \$                      | \$                      |
| Solar power systems in operation       | 75,344                  | 508,584                 |
| Solar power systems under construction | 22,697                  | 706,118                 |
| Accumulated depreciation               | (1,173)                 | (14,261)                |
| Solar power systems, net               | 96,868                  | 1,200,441               |

For the years ended December 31, 2014 and 2015, in connection with decisions to hold and operate certain projects to generate revenues from the sale of electricity, projects totaling \$98.0 million and \$347.2 million, respectively, were reclassified to solar power systems, of which \$22.7 million and \$107.6 million were reclassified to those under construction, respectively. Depreciation expense of solar power systems was nil, \$1,173 and \$11,340 for the years ended December 31, 2013, 2014 and 2015, respectively.





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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**9. INTANGIBLE ASSETS, NET**

The following summarizes the Company's intangible assets:

| As of December 31, 2015      | Gross Carrying<br>Amount | Accumulated<br>Amortization | Net    |
|------------------------------|--------------------------|-----------------------------|--------|
|                              | \$                       | \$                          | \$     |
| Power purchase agreements    | 71,770                   | (37)                        | 71,733 |
| Technical know-how           | 1,528                    | (1,164)                     | 364    |
| Computer software            | 14,226                   | (7,385)                     | 6,841  |
| Total intangible assets, net | 87,524                   | (8,586)                     | 78,938 |

| As of December 31, 2014      | Gross Carrying<br>Amount | Accumulated<br>Amortization | Net   |
|------------------------------|--------------------------|-----------------------------|-------|
|                              | \$                       | \$                          | \$    |
| Technical know-how           | 1,622                    | (1,130)                     | 492   |
| Computer software            | 10,715                   | (4,601)                     | 6,114 |
| Total intangible assets, net | 12,337                   | (5,731)                     | 6,606 |

The power purchase agreements were acquired as part of the acquisition of SSM, which were preliminarily valued at \$72.0 million at the acquisition day, and will be amortized on a straight-line basis over their remaining contractual term of 16 years.

Amortization expense for the years ended December 31, 2013, 2014 and 2015 were \$1,095, \$1,559 and \$2,235, respectively.

Amortization expenses of the above intangible assets is expected to be approximately \$6.5 million, \$6.1 million, \$5.8 million, \$5.5 million and \$55.0 million for the years ended December 31, 2016, 2017, 2018, 2019, 2020 and thereafter, respectively.

**10. FAIR VALUE MEASUREMENT**

The Company measures at fair value its financial assets and liabilities by using a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. Fair value is the price that would be received from the sale of an asset or paid to transfer a liability (i.e., an exit price) on the measurement date in an orderly transaction between market participants.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**10. FAIR VALUE MEASUREMENT (Continued)**

As of December 31, 2014 and 2015, the following financial assets and liabilities were measured at fair value on a recurring basis in periods subsequent to their initial recognition using the type of inputs shown as follows:

| As of December 31, 2015            | Total Fair Value and Carrying Value on the Balance Sheets | Fair Value Measurements Using Quoted Prices in Active Markets for Identical Assets (Level 1) | Fair Value Measurements Using Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
|------------------------------------|---|--|---|---|
|                                    | \$  | \$   | \$  | \$  |
| <b>Assets:</b>                     |   |  |   |   |
| Foreign exchange forward contracts | 1,924   |  | 1,924   |   |
| Commodity hedge                    | 2,072   |  | 2,072   |   |
| Interest rate swaption             | 4,335   |  | 4,335   |   |
| <b>Total Assets</b>                | <b>8,331</b>  |  | <b>8,331</b>  |   |
| <b>Liabilities:</b>                |   |  |   |   |
| Interest rate swap                 | 21,546  |  | 21,546  |   |
| Warrants                           | 25,265  |  | 25,265  |   |
| Foreign exchange forward contracts | 5,775   |  | 5,775   |   |
| <b>Total Liabilities</b>           | <b>52,586</b>   |  | <b>52,586</b>   |   |
| <br>                               |   |  |   |   |
| As of December 31, 2014            | Total Fair Value and Carrying Value on the Balance Sheets | Fair Value Measurements Using Quoted Prices in Active Markets for Identical Assets (Level 1) | Fair Value Measurements Using Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
|                                    | \$  | \$   | \$  | \$  |
| <b>Assets:</b>                     |   |  |   |   |
| Foreign exchange forward contracts | 9,643   |  | 9,643   |   |
| <b>Liabilities:</b>                |   |  |   |   |
| Foreign exchange forward contracts | 445   |  | 445   |   |

*Foreign exchange forward contracts*

The Company entered into certain foreign currency derivative contracts to protect against volatility of future cash flows caused by the changes in foreign exchange rates. The foreign currency derivative contracts do not qualify for hedge accounting and, as a result, the changes in fair value of the foreign currency derivative contracts are recognized in the consolidated statements of operations.

The Company's foreign currency derivative instruments relate to foreign exchange option or forward contracts involving major currencies such as Japanese yen, Euro, Canadian dollar and Renminbi. Since its derivative instruments are not traded on an exchange, the Company values them

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CANADIAN SOLAR INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**10. FAIR VALUE MEASUREMENT (Continued)**

using valuation models. Interest rate yield curves and foreign exchange rates are the significant inputs into these valuation models. These inputs are observable in active markets over the terms of the instruments the Company holds, and accordingly, the fair value measurements are classified as Level 2 in the hierarchy. The Company considers the effect of its own credit standing and that of its counterparties in valuations of its derivative financial instruments.

*Commodity hedge*

During the year ended December 31, 2015, the Company has entered into a fixed for floating energy commodity swap with a financial institution to hedge cash flows associated with electricity sales of the Astoria project for the period between expected COD and commencement of the long term PPA with the offtaker in January 2019. The swap contract was designated as a cash flow hedge at inception and is anticipated to be effective through its two-year term that ends on December 31, 2018. The fair value of the swap contract was \$2,072, an asset position, recorded in derivative assets - non-current on the balance sheet at December 31, 2015. The effective portion of gains and losses on derivatives designated as cash flow hedges are initially deferred in other comprehensive income before being recognized in the statements of operations in the same period as the hedged transactions are reflected in earnings. Gains and losses on derivatives that are not designated or fail to qualify as effective hedges are recognized in the statements of operations as incurred.

Fair value of the commodity swap is determined using pricing models developed based on the underlying commodity price of electricity and adjusted to reflect nonperformance risk of the counterparty and the Company, as necessary, which are considered Level 2 inputs.

*Interest rate swaption*

During the year ended December 31, 2015, the Company has entered into an option to purchase a fixed for floating interest rate swap, also known as a swaption, with a financial institution to hedge cash flows associated with interest payments of certain projects of Recurrent. The swaption had not been designated as a hedge for accounting purposes. The fair value of the swaption contract was \$4,335, an asset position, recorded in derivative assets - current on the balance sheet at December 31, 2015 and the change in its fair value is recorded in gain (loss) on change in fair value of derivatives during the year ended December 31, 2015.

The fair value of the swaption was measured based on observable market data, which are considered Level 2 inputs.

*Interest rate swap*

SSM, which the Company acquired on September 28, 2015, entered into fixed for floating interest rate swaps with a financial institution to hedge the interest rate risk resulting from fluctuations in interest rates on its project construction debts with notional amount totaling CAD186.0 million (\$133.9 million), which will expire in 2029. The interest rate swaps had not been designated as a hedge for accounting purposes. The total estimated fair value of the swap contracts was \$21,546, a liability position, recorded in derivative liabilities on the balance sheet at December 31, 2015, and the change in

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**10. FAIR VALUE MEASUREMENT (Continued)**

its fair value was recorded in gain (loss) on change in fair value of derivatives during the year ended December 31, 2015.

The estimated fair value of interest rate swaps was measured based on observable market data, which are considered Level 2 inputs.

**Warrants**

The fair value of the warrants (see Note 26) was determined using the Binomial model, with certain inputs significant to the valuation methodology classified as Level 2 inputs.

The effect of fair value of derivative instruments on the consolidated balance sheets as of December 31, 2014 and 2015 and the effect of derivative instruments on consolidated statements of operations for the years ended December 31, 2014 and 2015 are as follows:

|                                    | Fair Value of Derivative Assets |            |                                |            |
|------------------------------------|---------------------------------|------------|--------------------------------|------------|
|                                    | At December 31, 2014            |            | At December 31, 2015           |            |
|                                    | Balance Sheet Location          | Fair Value | Balance Sheet Location         | Fair Value |
|                                    |                                 | \$         |                                | \$         |
| Foreign exchange forward contracts | Derivatives assets current      | 9,643      | Derivatives assets current     | 1,924      |
| Interest rate swaption             |                                 |            | Derivatives assets current     | 4,335      |
| Commodity hedge                    |                                 |            | Derivatives assets non-current | 2,072      |
|                                    | Total                           | 9,643      | Total                          | 8,331      |

|                                    | Fair Value of Derivative Liabilities |            |                                     |            |
|------------------------------------|--------------------------------------|------------|-------------------------------------|------------|
|                                    | At December 31, 2014                 |            | At December 31, 2015                |            |
|                                    | Balance Sheet Location               | Fair Value | Balance Sheet Location              | Fair Value |
|                                    |                                      | \$         |                                     | \$         |
| Foreign exchange forward contracts | Derivatives liabilities current      | 445        | Derivatives liabilities current     | 5,775      |
| Warrants                           |                                      |            | Derivatives liabilities current     | 25,265     |
| Interest rate swap                 |                                      |            | Derivatives liabilities current     | 4,188      |
| Interest rate swap                 |                                      |            | Derivatives liabilities non-current | 17,358     |
|                                    | Total                                | 445        | Total                               | 52,586     |

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 10. FAIR VALUE MEASUREMENT (Continued)

|                                    | Location of<br>Gain (Loss) Recognized<br>in Statements of Operations | Amount of Gain (Loss)<br>Recognized in Statements<br>of Operations |        |          |
|------------------------------------|--|--|--------|----------|
|                                    |  | Years Ended December 31  |        |          |
|                                    |  | 2013   | 2014   | 2015     |
|                                    |  | \$   | \$     | \$       |
| Foreign exchange forward contracts | Gain(Loss) on change in fair value of derivatives                    | 10,460   | 19,656 | (3,738)  |
| Foreign exchange option contracts  | Gain(Loss) on change in fair value of derivatives                    | 304  |        |          |
| Change in fair value of warrants   | Gain(Loss) on change in fair value of derivatives                    |  |        | (8,887)  |
| Commodity hedge                    | Gain(Loss) on change in fair value of derivatives                    |  |        | (7)      |
| Interest rate swaption             | Gain(Loss) on change in fair value of derivatives                    |  |        | (107)    |
| Interest rate swap                 | Gain(Loss) on change in fair value of derivatives                    |  |        | 543      |
|                                    | Total  | 10,764   | 19,656 | (12,196) |

The Company measures certain long-lived assets or long-term investments at fair value on a non-recurring basis in periods after initial measurement in circumstances when the fair value of such assets is below its recorded cost and impairment is required.

In accordance with ASC 360, the Company's mono-crystalline ingot furnaces with a carrying value of \$5.8 million was written down to its fair value \$2.1 million, resulting an impairment charge of \$3.7 million included in general and administrative expenses in the consolidated statements of operations for the year ended December 31, 2013. The Company recorded impairment charges for certain idle assets of \$1.6 million and \$7.0 million for the years ended December 31, 2014 and 2015 respectively. The fair value of the assets or investment was measured based on prices offered by unrelated third-party willing buyers and classified as level 3 fair value measurements as the offering prices are not observable.

The Company also holds financial instruments that are not recorded at fair value in the consolidated balance sheets, but whose fair value is required to be disclosed under U.S. GAAP.

The carrying value of cash and cash equivalents, restricted cash, trade receivables, billed and unbilled, amount due from related parties, accounts and short-term notes payable, amount due to related parties, and short-term borrowings approximate their fair value due to the short-term maturity of these instruments. Long-term borrowings are \$134,300 and \$606,577 as of December 31, 2014 and 2015 respectively, which approximate their fair value since most of the borrowings contain variable interest rates. The fair value of long-term borrowings was measured based on discounted cash flow approach, which is classified as level 2 as the key input can be corroborated with market data.

The carrying value of the Company's outstanding convertible notes as of December 31, 2015 was \$150.0 million.





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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 11. INVESTMENTS IN AFFILIATES

Investments in affiliates consist of the following:

|  | At December 31, |                      |                |                      |
|--|-----------------|----------------------|----------------|----------------------|
|  | 2014            |                      | 2015           |                      |
|  | Carrying Value  | Ownership Percentage | Carrying Value | Ownership Percentage |
|  | \$              | (%)                  | \$             | (%)                  |
| Suzhou Gaochuangte New Energy Co., Ltd.            | 7,112           | 40                   | 6,837          | 40                   |
| CSI SkyPower                                       | 3,533           | 50                   | 3,332          | 50                   |
| GCL-CSI (Suzhou) Photovoltaic Technology Co., Ltd. | 3,311           | 10                   | 4,526          | 10                   |
| Foto Light LP ("Foto Light")                       | 2,390           | 5                    | 1,735          | 5                    |
| Discovery Light LP ("Discovery Light")             | 2,125           | 5                    | 1,951          | 5                    |
| City Light LP ("City Light")                       |                 |                      | 1,943          | 5                    |
| RE Tranquillity Holdings LLC ("Tranquillity")      |                 |                      | 90,325         | 49                   |
| RE Silverlake Holdings LLC ("Garland")             |                 |                      | 8,599          | 49                   |
| RE Roserock Holdings LLC ("Roserock")              |                 |                      | 34,898         | 49                   |
| Suzhou Financial Leasing Co., Ltd.                 |                 |                      | 13,860         | 6                    |
| Others   | 20,352          | 21-50                | 19,125         | 21-49                |
| Total  | 38,823          |                      | 187,131        |                      |

*Tax equity transactions*

In 2015, the Company, through its wholly owned subsidiary Recurrent, entered into the following tax equity transactions:

In August 2015, the Company completed the sale of 100% of the class A membership interests of RE Tranquillity Holdings LLC, the holding company of the Tranquillity project entities, to Southern Power ("Southern"), a subsidiary of Southern Company. The Company maintains a 100% ownership in the class B membership interests of RE Tranquillity Holdings LLC. Southern paid the Company an initial contribution of \$100 million in cash for the class A membership interests in RE Tranquillity Holdings LLC in August 2015.

In October 2015, the Company completed the sale of 100% of the class A membership interests of RE Silverlake Holdings LLC, the holding company of the Garland project entities, to Southern. The Company maintains a 100% ownership in the class B membership interests of RE Silverlake Holdings LLC. Southern paid the Company an initial contribution of \$49 million in cash for the class A membership interests in RE Silverlake Holdings LLC in October 2015.

In December 2015, the Company completed the sale of 100% of the class A membership interests of RE Roserock Holdings LLC, the holding company of the Roserock project entities, to Southern. The Company maintains a 100% ownership in the class B membership interests of RE Roserock Holdings LLC. Southern paid the Company an initial contribution of \$45 million in cash for the class A membership interests in RE Roserock Holdings LLC in December 2015.

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**11. INVESTMENTS IN AFFILIATES (Continued)**

Under the LLC agreement, the class A membership interests and class B membership interests will receive 51% and 49%, respectively, of future cash flow distributions, and Southern is entitled to substantially all of the projects' federal tax benefits.

Effective with the sale of the class A membership interests, the Company ceased having controlling financial interests in Tranquillity, Roserock and Garland, and accounted for the transactions as partial sales of real estate under ASC360-20. The Company also considered that it would continue to exercise significant influence over its retained interest in and has accounted for this interest pursuant to the equity method of accounting.

In connection these sales to Southern, \$190.4 million was recognized as revenue, and with the loss of a controlling financial interest in Tranquillity, Garland and Roserock, the Company derecognized net assets of \$93.9 million, \$56.4 million and \$23.5 million and recognized an investment in affiliate balance, respectively.

Subsequent to sales of the class A membership interests, the Company further contributed \$69.5 million to the projects in 2015.

***Other investments***

On December 17, 2009, CSI Cells Co., Ltd. ("SZCC", or "CSI Cells") established a joint venture, Suzhou Gaochuangte New Energy Co., Ltd., ("Gaochuangte"), for total cash consideration of \$2,929. SZCC holds a 40% voting interests and one of the three board members is designated by SZCC and, as such, SZCC is considered to have significant influence over the investee. On July 4, 2011, Gaochuangte increased its share capital, and SZCC paid \$3,119 in proportion to its ownership percentage.

On July 4, 2011, CSI Solar Power (China) Inc. ("SZSP") acquired a 10% interests in a joint venture, GCL-CSI (Suzhou) Photovoltaic Technology Co., Ltd, for cash consideration of \$2,549. SZSP is able to exercise significant influence over the investee through its representative in the board.

On May 23, 2012, CSI established a joint venture, CSI SkyPower, for cash consideration of \$3,429. In August 2013, CSI SkyPower increased its share capital, and CSI paid \$4,000 in proportion to its ownership percentage. CSI holds a 50% voting interests and two of four board members are designated by CSI and, as such, CSI is considered to have significant influence over the investee.

In September 2012, CSI Project Holdco, LLC ("USPH") acquired 21% to 30% equity interests in certain separate utility-scale solar power projects from third parties by contribution of solar modules with an aggregate book value of \$15,875. In the second quarter of 2013, some solar power projects increased their share capital, and USPH contributed solar modules with an aggregate book value of \$5,791 in proportion to its ownership percentage. These equity interests were recorded at the carrying value of the modules contributed.

In December 2014, CSI sold its 95% equity interests in two projects, Discovery Light and Foto Light to a third party buyer. The Company still held 5% equity interests of these two projects.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**11. INVESTMENTS IN AFFILIATES (Continued)**

In March 2015, CSI sold its 95% equity interests in one project, City Light to a third party buyer. The Company still held 5% equity interests of this project.

On September 8, 2015, SZSP established an entity, Suzhou Financial Leasing Co., Ltd., for cash consideration of \$13,860, and holds a 6% voting interests. SZSP is considered not have significant influence over the investee, and the cost method is used in this investment.

Equity in earnings (loss) of unconsolidated investees was \$(3,064), \$487 and \$(643) for the years ended December 31, 2013, 2014 and 2015, respectively.

**12. BORROWINGS**

|  | At December 31,<br>2014 | At December 31,<br>2015 |
|--|-------------------------|-------------------------|
|  | \$                      | \$                      |
| Bank borrowings                          | 796,739                 | 1,631,858               |
| Analysis as:                             |                         |                         |
| Short-term                               | 655,926                 | 961,639                 |
| Long-term, current portion               | 37,202                  | 107,392                 |
| Subtotal for short-term                  | 693,128                 | 1,069,031               |
| Long-term, non-current portion           | 103,611                 | 562,827                 |
| Borrowings from non-banking institutions | 63,074                  | 131,295                 |
| Analysis as:                             |                         |                         |
| Short-term                               | 14,708                  | 53,899                  |
| Long-term, current portion               | 17,677                  | 33,646                  |
| Long-term, non-current portion           | 30,689                  | 43,750                  |
| Total                                    | 859,813                 | 1,763,153               |

As of December 31, 2015, the Company had contractual bank credit facilities of \$2,770,957, of which \$740,182 has been drawn down with the due dates beyond December 31, 2016, \$894,643 has been drawn down with the due dates before December 31, 2016 and \$1,136,132 was available for draw down upon demand. In addition, as of December 31, 2015, the Company also had non-binding bank credit facilities of \$516,852, of which \$295,735 has been drawn down with the due dates before December 31, 2016 and \$154,004 was subject to banks' discretion upon request for additional drawn down.

As of December 31, 2015, short-term borrowings of \$904,188 and long-term borrowings of \$566,448 were secured by property, plant and equipment with carrying amounts of \$114,202, inventories of \$49,715, prepaid land use rights of \$11,549, equity of \$419,374, restricted cash of \$80,000, and project assets and solar power systems of \$1,242,238.



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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 12. BORROWINGS (Continued)

a)

*Short-term*

The Company's short-term borrowings consist of the following:

|   | At December 31,<br>2014 | At December 31,<br>2015 |
|---|-------------------------|-------------------------|
|   | \$                      | \$                      |
| Bank borrowings   |                         |                         |
| Short-term bank borrowings secured by restricted cash   | 120,772                 | 139,412                 |
| Short-term bank borrowings secured by inventories   | 35,882                  | 12,926                  |
| Short-term bank borrowings guaranteed by Dr. Shawn Qu   | 57,419                  |                         |
| Short-term bank borrowings secured by prepaid land use rights and property, plant and equipment               | 91,270                  | 302,379                 |
| Short-term bank borrowings secured by project assets and solar power systems                                  | 45,149                  | 189,222                 |
| Short-term borrowings secured by equity   |                         | 76,837                  |
| Unsecured short-term borrowings   | 305,434                 | 240,863                 |
| Long-term borrowings due within one year  |                         |                         |
| Long-term bank borrowings due within one year secured by inventories  |                         | 46                      |
| Long-term borrowings due within one year secured by prepaid land use rights and property, plant and equipment | 5,034                   | 13,327                  |
| Long-term borrowings due within one year secured by project assets and solar power systems                    | 587                     | 83,264                  |
| Long-term borrowings due within one year secured by restricted cash   | 19,400                  |                         |
| Long-term bank borrowings due within one year secured by equity   |                         | 308                     |
| Unsecured long-term borrowings due within one year  | 12,181                  | 10,447                  |
|   | 693,128                 | 1,069,031               |
| Borrowings from non-banking institutions  |                         |                         |
| Short-term borrowings secured by restricted cash  |                         | 53,899                  |
| Long-term borrowings due within one year secured by project assets  | 16,150                  | 32,568                  |
| Unsecured long-term borrowings due within one year  | 1,527                   | 1,078                   |
| Unsecured short-term borrowings   | 14,708                  |                         |
|   | 32,385                  | 87,545                  |
| Total   | 725,513                 | 1,156,576               |

The average interest rate on short-term borrowings was 4.63% and 4.32% per annum for the years ended December 31, 2014 and 2015, respectively. The short-term borrowings are repayable within one year.

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## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

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(In Thousands of U.S. Dollars, unless otherwise indicated)

## 12. BORROWINGS (Continued)

b)

*Long-term*

The Company's long-term borrowings consist of the following:

|   | At December 31,<br>2014 | At December 31,<br>2015 |
|---|-------------------------|-------------------------|
|   | \$                      | \$                      |
| Bank borrowings   |                         |                         |
| Unsecured long-term bank borrowings   | 50,162                  | 10,124                  |
| Long-term bank borrowings secured by project assets and solar power systems | 43,749                  | 162,993                 |
| Long-term bank borrowings secured by property, plant and equipment          |                         | 13,327                  |
| Long-term bank borrowings secured by equity                                 |                         | 376,383                 |
| Long-term bank borrowings secured by restricted cash                        | 9,700                   |                         |
| Borrowings from non-banking institutions                                    |                         |                         |
| Long-term borrowings secured by project assets and solar power systems      | 15,219                  | 13,745                  |
| Unsecured long-term borrowings  | 15,470                  | 30,005                  |
| Total   | 134,300                 | 606,577                 |

The average interest rate on long-term borrowings was 6.32% and 4.75% per annum for the years ended December 31, 2014 and 2015, respectively.

Future principal repayments on the long-term borrowings are as follows:

|   |            |
|---|------------|
| 2016  | 141,038    |
| 2017  | 288,081    |
| 2018  | 211,557    |
| 2019  | 3,696      |
| 2020 and thereafter   | 103,243    |
| Total   | 747,615    |
| Less: future principal repayment related to long-term borrowings, current portion | (141,038)  |
| Total long-term portion   | \$ 606,577 |

On October 29, 2011, CSI Cells Co., Ltd. entered into a syndicated loan agreement with local Chinese commercial banks, denominated in RMB. The latest renewed total credit facility under this agreement equaled \$47,225. The facility bears the base interest rate published by People's Bank of China for the same maturity for RMB denominated borrowings and the interest under both tranches is due quarterly in arrears. Outstanding borrowings under this agreement equaled \$47,225 at December 31, 2015, which requires repayment of \$23,774, \$23,451 in 2016, 2017 respectively. The



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**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

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**12. BORROWINGS (Continued)**

borrowing under the agreement is guaranteed by CSI Solar Power (China) Inc., Canadian Solar Manufacturing (Luoyang) Inc. and Canadian Solar Manufacturing (Changshu) Inc. The agreement does not contain any financial covenants or restrictions.

On October 28, 2013, CSI Cells Co., Ltd., entered into a loan agreement, denominated in RMB, with a state-owned trust company about research of solar photovoltaic technology. The total credit facility under this agreement equaled \$1,078, which requires repayment of \$1,078 in 2016. The loan is free of interest and does not contain any financial covenants or restrictions.

On December 4, 2013, Canadian Solar International Project 1 Limited, the Company's 100% owned subsidiary, entered into a loan agreement, denominated in U.S. dollars, with Harvest North Star Capital. The total credit facility under this agreement was \$32,410 and will be used to finance the development of several ground-mounted solar power projects in Japan. Outstanding borrowings under this agreement equaled \$32,410 at December 31, 2015, which requires repayment of \$32,410 in 2016 respectively. The loan is secured by project assets and guaranteed by Canadian Solar Inc. The agreement does not contain any financial covenants or restrictions.

On August 28, 2013, CSI Solar Power (China) Inc. entered into a financing agreement, denominated in RMB, with China Development Bank, Suzhou Branch, or CDB, pursuant to which CDB agreed to provide \$6,006, in long-term construction financing for the construction of solar power projects in Suzhou National New and High-tech Industrial Development Zone. Outstanding borrowings under this agreement equaled \$6,006 at December 31, 2015, which requires repayment of \$1,078, \$1,078, \$1,078, \$1,078 and \$1,694 in 2016, 2017, 2018, 2019 and, 2020 thereafter, respectively. The loan is secured by project assets and guaranteed by Canadian Solar Inc. As at December 31, 2015, the Company met all the requirements of the financial covenants.

In March 2015, the Company acquired 100% of the equity interests in Recurrent. On November 15, 2010, RE Cranbury Solar 1 LLC, a 100% owned subsidiary of Recurrent, entered into a loan agreement, denominated in U.S. dollars, with Macquarie Energy LLC. The total credit facility under this agreement was \$4,000 and will be used to finance the development of several ground-mounted solar power projects in U.S. Outstanding borrowings under this agreement equaled \$4,000 at December 31, 2015, which requires repayment of \$4,000 in 2017. The loan is secured by project assets. The agreement does not contain any financial covenants or restrictions.

In March 2015, the Company acquired 100% of the equity interests in Recurrent. On April 5, 2010, several 100% owned subsidiaries of Recurrent entered into a loan agreement, denominated in U.S. dollars, with Kaiser Foundation Hospitals. The total credit facility under this agreement was \$9,903 and will be used to finance the development of several ground-mounted solar power projects in U.S. Outstanding borrowings under this agreement equaled \$9,903 at December 31, 2015, which requires repayment of \$157, \$131, \$185, \$245 and \$9,185 in 2016, 2017, 2018, 2019 and 2020 thereafter respectively. The loan is secured by project. The agreement does not contain any financial covenants or restrictions.

On March 27, 2015, CSI New Energy Holding Co., Ltd. entered into a loan agreement with a Chinese commercial bank, Bank of Jiangsu. The bank agreed to provide long-term construction



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**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

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**12. BORROWINGS (Continued)**

financing to the Company, denominated in RMB, totaling \$15,092, for the construction of solar power projects in Peixian Jiangsu. Outstanding borrowing under this agreement equaled \$6,160 at December 31, 2015, which requires repayment of \$308, \$770, \$924, \$924 and \$3,234 in 2016, 2017, 2018, 2019 and 2020 thereafter, respectively. The loan is secured by equity of Peixian Suxin Solartronics CO., Ltd. and guaranteed by CSI Solar Power (China) Inc. The agreement does not contain any financial covenants or restrictions.

On April 30, 2015, Canadian Solar Inc. entered into a loan agreement with China Minsheng Banking Corp., Ltd., denominated in U.S. dollars. The total credit facility under this agreement was \$210,000 for acquisition purposes. Outstanding borrowing under this agreement was \$210,000 as of December 31, 2015, which requires repayment of \$10,000, \$10,000 and \$190,000 in 2016, 2017 and 2018 respectively. The loan is secured by equity of CSI Solar Power (China) Inc. and guaranteed by Canadian Solar Manufacturing (Changshu) Inc., CSI Cells Co., Ltd., Canadian Solar Manufacturing (Luoyang) Inc. The agreement does not contain any financial covenants or restrictions.

On May 18, 2015, Canadian Solar International Project 2 Limited entered into credit agreement with Rabobank International Hong Kong Branch, dominated in Japanese Yen, the total credit facility under this agreement equaled \$29,072 and will be used to finance the development of several ground-mounted solar power projects in Japan. Outstanding borrowings equaled \$25,343 at December 31, 2015, which requires repayment of \$25,343 in 2017. The loan is secured by equity and guaranteed by Canadian Solar Inc. The agreement does not contain any financial covenants or restrictions.

On June 17, 2015, 2225228 Ontario Inc. 3G Alfred and Beam Light LP, the Company's 100% owned subsidiaries, entered into a loan agreement denominated in Canadian Dollar, with Deutsche Bank Trust Company Americas. The total credit facility under this agreement is \$51,556 and was used to finance the payment of the project costs. Outstanding borrowings under this agreement equaled \$45,386 at December 31, 2015, which requires repayment of \$45,386 in 2017. The loan is secured by project assets. The agreement does not contain any financial covenants or restrictions.

On August 17, 2015, Canadian Solar New Energy (Kuan Cheng) Co. Ltd., the Company's 100% owned subsidiaries, entered into a loan agreement denominated in RMB, with a local Chinese commercial bank. The total credit facility under this agreement is \$15,400 and was used to finance the payment of the project costs. Outstanding borrowings under this agreement equaled \$6,160 at December 31, 2015, which requires repayment of \$308, \$1,232, \$1,694, \$1,694 and \$1,232 in 2016, 2017, 2018, 2019 and 2020 thereafter. The loan is secured by project assets. The agreement does not contain any financial covenants or restrictions.

In September 2015, the Company acquired SSM, and assumed project loans originally entered into on September 30, 2011, denominated in Canadian Dollar, with Norddeutsche Landesbank Giozentrale. The total credit facility under this agreement is \$136,926 and was used to finance the payment of the project costs. Outstanding borrowings under this agreement equaled \$134,304 at December 31, 2015, which requires repayment of \$46,967 and \$87,337, in 2016 and 2019 thereafter. The loan is secured by project assets. The agreement does not contain any financial covenants or restrictions.

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

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**12. BORROWINGS (Continued)**

On October 26, 2015, Canadian Solar Inc. entered into a syndicated loan agreement denominated in U.S. dollars, arranged by Credit Suisse. The total credit facility under this agreement is \$200,000 and was for general corporate purpose. Outstanding borrowings under this agreement equaled \$180,000 at December 31, 2015, which requires repayment of \$180,000 in 2017. The loan is secured by equity of the company's subsidiaries. The borrowing also contains some financial covenants about revenue, assets and liabilities. As at December 31, 2015, the Company met all the requirements of the financial covenants. In connection with the loan, the Company issued the lenders warrants to purchase up to 1,348,040 shares of common stock, at an exercise price of \$24.48 per share on October 26, 2015, and warrants to purchase up to 940,171 shares of common stock, at an exercise price of \$28.08 per share on December 11, 2015, respectively, subject to adjustment under several special circumstances, including anti-dilution clauses. See Note 26 for warrants disclosure.

The borrowings disclosed as above bear floating interest rate from 2.55% to 12.8%.

On February 28, 2013, Canadian Solar Japan K.K. entered into a loan agreement with a Japanese bank for working capital, denominated in Japanese yen. The latest renewed total credit facility under this agreement equaled \$46. The facility requires repayment of \$32 each month. The outstanding borrowings under this agreement equaled \$46 at December 31, 2015, which requires repayment of \$46 in 2016. The agreement does not contain any financial covenants or restrictions.

On June 25, 2014 CSI-GCL (Yancheng) Solar Manufacturing Co., Ltd. ("YCSM"), entered into a financing agreement, denominated in RMB, with local Chinese state-owned companies, which agreed to provide \$41,579 in long-term construction financing for the construction of solar power projects and production line construction in Yancheng, Jiangsu. The facility is composed of two tranches. The first tranche has a credit limit of \$23,100 which requires repayment within three years and was for working capital purposes. The second tranche has a credit limit of \$18,479 for the expansion of solar cell production capacity. As of December 31, 2015, YCSM has drawn \$11,899 and \$18,105 respectively from the first and the second tranche. Both of the tranches are free of security and interest and the agreement does not contain any financial covenants or restrictions. The total outstanding borrowings under this agreement equaled \$30,004 at December 31, 2015, which requires repayment of \$12,143 and \$17,861 in 2017 and 2018 respectively. The agreement does not contain any financial covenants or restrictions.

The borrowings disclosed as above bears fixed interest rate from nil to 1.45%.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

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## 12. BORROWINGS (Continued)

c)

*Interest expense*

The Company capitalized interest costs incurred into the Company's project assets or property, plant and equipment as follows during the years ended December 31, 2013, 2014 and 2015:

|  | Years Ended December 31 |               |               |
|--|-------------------------|---------------|---------------|
|  | 2013                    | 2014          | 2015          |
|  | \$                      | \$            | \$            |
| Interest capitalized project assets                | 17,293                  | 10,304        | 102           |
| Interest capitalized solar power system            |                         |               | 23,328        |
| Interest capitalized property, plant and equipment | 348                     | 203           | 912           |
| Interest expense                                   | 46,244                  | 48,906        | 54,148        |
| <b>Total interest incurred</b>                     | <b>63,885</b>           | <b>59,413</b> | <b>78,490</b> |

## 13. LEASE

In September 2015, YCSM leased certain machinery and equipment from a third party (the "purchaser-lessor"). Pursuant to the terms of the contract, YCSM is required to pay to the purchaser-lessor quarterly lease payments over three years and is entitled to obtain the ownership of these machinery and equipment at a nominal price upon the expiration of the lease. The lease was classified as capital lease. As of December 31, 2015, the carrying amount of the machinery and equipment related to this capital lease contract was \$28,332, the payable related to this contract was \$27,332, of which \$9,496 was included in other payables and \$17,836 was included in other non-current liabilities on the consolidated balance sheet.

As of December 31, 2015, future minimum lease payments required under non-cancelable capital lease agreements were as follows:

| Year Ending December 31:                    | \$     |
|---|--------|
| 2016  | 10,126 |
| 2017  | 10,110 |
| 2018  | 8,986  |
| Total minimum lease payments                | 29,222 |
| Less: Amount representing interest          | 2,782  |
| Present value of net minimum lease payments | 26,440 |
| Current portion                             | 8,712  |
| Non-current portion                         | 17,728 |

**14. SHORT-TERM NOTES PAYABLE**

The Company enters into arrangements with banks whereby the banks issue notes to the Company's vendors, which effectively serve to extend the payment date of the associated accounts

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**14. SHORT-TERM NOTES PAYABLE (Continued)**

payable. Vendors may present the notes for payment to a bank, including the bank issuing the note, prior to the stated maturity date, but generally at a discount from the face amount of the note. The Company is generally required to deposit restricted cash balances with the issuing bank, which are utilized to immediately repay the bank upon the banks' settlement of the notes. Given the purpose of these arrangements is to extend the payment dates of accounts payable, the Company has recorded such amounts as short-term notes payable. As payments by the bank are immediately repaid by the Company's restricted cash balances and other deposits with that same bank, the notes payable do not represent cash borrowings from the bank and, as such, the associated cash payments have been recorded by the Company as an operating activity in the consolidated statements of cash flows. As of December 31, 2014 and 2015, short-term notes payable was \$388,052 and \$473,247, respectively.

**15. ACCRUED WARRANTY COSTS**

The Company's warranty activity is summarized below:

|                         | Years Ended December 31, |         |         |
|-------------------------|--------------------------|---------|---------|
|                         | 2013                     | 2014    | 2015    |
|                         | \$                       | \$      | \$      |
| Beginning balance       | 58,334                   | 40,605  | 54,644  |
| Warranty provision      | (16,465)                 | 18,570  | 15,876  |
| Warranty costs incurred | (951)                    | (2,996) | (3,872) |
| Foreign exchange effect | (313)                    | (1,535) | (1,455) |
| Ending balance          | 40,605                   | 54,644  | 65,193  |

**16. RESTRICTED NET ASSETS**

As stipulated by the relevant laws and regulations applicable to China's foreign investment enterprise, the Company's PRC subsidiaries are required to make appropriations from net income as determined under accounting principles generally accepted in the PRC ("PRC GAAP") to non-distributable reserves, which include a general reserve, an enterprise expansion reserve and staff welfare and bonus reserve. The wholly-owned PRC subsidiaries are not required to make appropriations to the enterprise expansion reserve but appropriations to the general reserve are required to be made at not less than 10% of the profit after tax as determined under PRC GAAP. The board of directors determines the staff welfare and bonus reserve.

The general reserve is used to offset future losses. The subsidiaries may, upon a resolution passed by the stockholder, convert the general reserve into capital. The staff welfare and bonus reserve is used for the collective welfare of the employee of the subsidiaries. The enterprise expansion reserve is for the expansion of the subsidiaries' operations and can be converted to capital subject to approval by the relevant authorities. These reserves represent appropriations of the retained earnings determined in accordance with Chinese law.

In addition to the general reserve, the Company's PRC subsidiaries are required to obtain approval from the local PRC government prior to distributing any registered share capital. Accordingly, both the

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

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**16. RESTRICTED NET ASSETS (Continued)**

appropriations to general reserve and the registered share capital of the Company's PRC subsidiaries are considered as restricted net assets amounting to \$396,325 as of December 31, 2015.

**17. CONVERTIBLE NOTES**

On February 18, 2014, the Company issued \$130,000 of convertible notes (the "2014 Notes"). The Company granted the initial purchasers a 30-day option to purchase up to an additional \$20,000 aggregate principal amount of the 2014 Notes. On February 18, 2014, the option was fully exercised by initial purchasers. The key terms of the 2014 Notes are described as follows:

*Maturity date.* The 2014 Notes mature on February 15, 2019.

*Interest.* The 2014 Note holders are entitled to receive interest at 4.25% per annum on the principal outstanding, in semi-annually installments, payable in arrears on February 15 and August 15 of each year, beginning August 15, 2014.

*Conversion.* The initial conversion rate is 22.2222 shares per \$1,000 initial principal amount, which represents an initial conversion price of approximately \$45.00 per share. The 2014 Notes are convertible at any time prior to maturity. The conversion rate is subject to change for certain anti-dilution events and upon a change in control. If the holders elect to convert the 2014 Notes upon a change of control, the conversion rate will increase by a number of additional shares as determined by reference to an adjustment schedule based on the date on which the change in control becomes effective and the price paid per common share in the transaction (referred to as the "Fundamental Change Make-Whole Premium"). The Fundamental Make-Whole Premium is intended to compensate holders for the loss of time value upon early exercise.

*Redemption.* The Company may redeem for cash all or any portion of the notes, (i) at the Company's option, on or after February 21, 2017 if the last reported sale price of the Company's common stock has been at least 130% of the conversion price then in effect for at least 20 trading days (whether or not consecutive) during any 30 consecutive trading day period (including the last trading day of such period) ending on, and including, the trading day immediately preceding the date on which the Company provides notice of redemption or (ii) following the occurrence of certain tax related events, in each case, at a redemption price equal to 100% of the principal amount of the notes to be redeemed, plus accrued and unpaid interest to, but excluding, the redemption date.

As of December 31, 2015, the carrying value of the convertible notes was \$150,000. Issuance costs amounted to \$5,103. The debt issuance costs are being amortized through interest expense over the period from February 18, 2014, the date of issuance, to February 15, 2019, the date of expiration, using the effective interest rate method which was 4.98% for the year ended December 31, 2015. The amortization expense was \$810 for the year ended December 31, 2015. Coupon interest of \$6,375 was recorded for the year ended December 31, 2015, of which, \$2,387 was not paid and was recorded in other payables.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**18. INCOME TAXES**

The provision for income taxes is comprised of the following:

|   | Years Ended December 31, |          |          |
|---|--------------------------|----------|----------|
|   | 2013                     | 2014     | 2015     |
|   | \$                       | \$       | \$       |
| <b>Income before Income Taxes</b>         |                          |          |          |
| Canada                                    | 41,700                   | 248,666  | 79,631   |
| Other                                     | 11,504                   | 72,652   | 143,197  |
|   | 53,204                   | 321,318  | 222,828  |
| <b>Current Tax</b>                        |                          |          |          |
| Canada                                    | 1,695                    | 17,721   | 71,002   |
| Other                                     | 9,989                    | 29,018   | 67,351   |
|   | 11,684                   | 46,739   | 138,353  |
| <b>Deferred Tax</b>                       |                          |          |          |
| Canada                                    | 11,493                   | 40,895   | (44,548) |
| Other                                     | (15,538)                 | (10,203) | (44,293) |
|   | (4,045)                  | 30,692   | (88,841) |
| <b>Total Income Tax (Benefit) Expense</b> |                          |          |          |
| Canada                                    | 13,188                   | 58,616   | 26,454   |
| Other                                     | (5,549)                  | 18,815   | 23,058   |
|   | 7,639                    | 77,431   | 49,512   |

The Company mainly operates in Canada, PRC, Japan, Germany, the United States and Hong Kong.

**Canada**

The Company was incorporated in Ontario, Canada and is subject to both federal and Ontario provincial corporate income taxes at a rate of 26.5% for the years ended December 31, 2013, 2014 and 2015.

## Edgar Filing: Canadian Solar Inc. - Form 20-F

Canadian Solar Solutions Inc. was incorporated in Ontario, Canada and is subject to both federal and Ontario provincial corporate income taxes at a rate of 26.5%, 25% and 25% for the years ended December 31, 2013, 2014 and 2015, respectively.

### **United States**

Canadian Solar (USA) Inc. was incorporated in Delaware, USA and is subject to federal, California, and other states' corporate income taxes at a rate of 38.10%, 37.95% and 38.56% for the years ended December 31, 2013, 2014 and 2015, respectively.



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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**18. INCOME TAXES (Continued)**

**Japan**

Canadian Solar Japan K.K. was incorporated in Japan and is subject to Japanese corporate income taxes at a normal statutory rate of approximately 38.01%, 35.64% and 35.64% for the years ended December 31, 2013, 2014 and 2015, respectively.

**Germany**

Canadian Solar EMEA GmbH was incorporated in Munich, Germany and is subject to German corporate income tax at a rate of approximately 33% for the years ended December 31, 2013, 2014 and 2015, respectively.

**Hong Kong**

Canadian Solar International Ltd. ("HKSI") was incorporated in Hong Kong, China, and is subject to Hong Kong profits tax at a rate of 16.5% for the years ended December 31, 2013, 2014 and 2015, respectively.

**PRC**

The other major operating subsidiaries, including CSI Solartronics (Changshu) Co., Ltd., CSI Solar Technologies Inc., CSI Cells Co., Ltd., Canadian Solar Manufacturing (Luoyang) Inc., CSI Solar Power (China) Inc. and Canadian Solar Manufacturing (Changshu) Inc., and Suzhou SanySolar Materials Technology Co., Ltd. were governed by the PRC Enterprise Income Tax Law ("new EIT Law").

Under the new EIT Law, both foreign-invested enterprises and domestic enterprises are subject to a uniform enterprise income tax rate of 25%. The new EIT Law also provides a five-year transition period for those enterprises established before the promulgation date of the new EIT Law and were entitled to preferential tax treatment under the previous tax law. Enterprises that were subject to an enterprise income tax rate lower than 25% will have the new uniform enterprise income tax rate of 25% phased in over a five-year period from the effective date of the EIT Law. Enterprises that were entitled to exemptions or reductions from the standard income tax rate for a fixed term may continue to enjoy such treatment until the fixed term expires, subject to certain limitations.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 18. INCOME TAXES (Continued)

Accordingly, the enterprise income tax rates applicable to the Company's major operating subsidiaries in China are summarized as follows:

| Company   | Applicable enterprise income tax rate under the<br>new EIT Law   |
|---|--|
| CSI Solartronics (Changshu) Co., Ltd.           | 25%  |
| CSI Solar Technologies Inc.                     | 25% for 2013 and onwards; 12.5% for 2012 (half reduction of 25%)   |
| CSI Cells Co., Ltd.                             | 25% for 2013 and onwards; 15% for 2012 resulting from its High and New Technology Enterprise ("HNTE") status |
| Canadian Solar Manufacturing (Luoyang) Inc.     | 25% for 2012 and onwards;  |
| Canadian Solar Manufacturing (Changshu) Inc.    | 25% for 2013 and onwards; 12.5% for 2012 (half reduction of 25%)   |
| CSI Solar Power (China) Inc.                    | 25%  |
| Suzhou SanySolar Materials Technology Co., Ltd. | 15% for 2015, 2014 and 2013 resulting from its HNTE status; 25% for 2012                                     |

The Company makes an assessment of the level of authority for each of its uncertain tax positions (including the potential application of interest and penalties) based on their technical merits, and has measured the unrecognized benefits associated with such tax positions. This liability is recorded as liability for uncertain tax positions in the consolidated balance sheets. In accordance with its policies, the Company accrues and classifies interest and penalties associated with such unrecognized tax benefits as a component of its income tax provision. The amount of interest and penalties accrued as of December 31 2014 and 2015 was \$4,735 and \$4,978, respectively. The Company does not anticipate any significant changes to its liability for unrecognized tax positions within the next 12 months.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**18. INCOME TAXES (Continued)**

The following table illustrates the movement and balance of the Company's liability for uncertain tax positions (excluding interest and penalties) for the years ended December 31, 2013, 2014 and 2015, respectively.

|  | Years Ended December 31, |         |        |
|--|--------------------------|---------|--------|
|  | 2013                     | 2014    | 2015   |
|  | \$                       | \$      | \$     |
| Beginning balance  | 11,242                   | 13,001  | 10,844 |
| Addition for tax positions related to the current year                           | 2,403                    |         | 196    |
| Reductions for tax positions from prior years/Statute of limitations expirations |                          | (1,368) |        |
| Foreign exchange effect  | (644)                    | (789)   | (1550) |
| Ending balance   | 13,001                   | 10,844  | 9,490  |

The Company is subject to taxation in various jurisdictions where it operates, mainly including Canada and China. Generally, the Company's taxation years from 2007 to 2014 are open for reassessment to the Canadian tax authorities. The Company's taxation years from 2005 through 2015 are subject to examination by the Chinese tax authorities due to its permanent establishment in China.

According to the PRC Tax Administration and Collection Law, the statute of limitations is three years if the underpayment of income taxes has resulted from the computational errors of the taxpayer. The statute of limitations could be extended to five years under special circumstances. Though not being clearly defined, a special circumstance would suffice where any underpayment of income taxes exceeds RMB100. For income tax adjustments relating to transfer pricing matters, the statute of limitations is ten years. Therefore, the Company's Chinese subsidiaries might be subject to reexamination by the Chinese tax authorities on non-transfer pricing matters for taxation years up to 2010 retrospectively, and on transfer pricing matters for taxation years up to 2005 retrospectively. There is no statute of limitations in case of tax evasion in China.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 18. INCOME TAXES (Continued)

The components of the deferred tax assets and liabilities are presented as follows:

|   | At December 31,<br>2014 | At December 31,<br>2015 |
|---|-------------------------|-------------------------|
|   | \$                      | \$                      |
| Deferred tax assets:  |                         |                         |
| Accrued warranty costs  | 10,509                  | 10,548                  |
| Bad debt allowance  | 9,318                   | 8,358                   |
| Issuance costs  | 1,597                   | 1,123                   |
| Inventory write-down  | 5,308                   | 4,239                   |
| Future deductible expenses  |                         | 13,878                  |
| Depreciation and impairment difference of property, plant and equipment, solar power system | 26,149                  | 34,248                  |
| Accrued liabilities related to countervailing and anti-dumping duty deposits                | 13,850                  | 55,115                  |
| Deferred tax assets relating to sale of solar power systems                                 | 21,097                  | 32,159                  |
| Net operating losses carry-forward  | 65,876                  | 70,637                  |
| Others  | 6,947                   | 7,409                   |
| Total deferred tax assets, gross  | 160,651                 | 237,714                 |
| Valuation allowance   | (52,985)                | (55,959)                |
| Total deferred tax assets, net of valuation allowance                                       | 107,666                 | 181,755                 |
| Deferred tax liabilities:   |                         |                         |
| Foreign currency derivative assets  | 1,167                   | 4,558                   |
| Depreciation difference of property, plant and equipment                                    | 5,264                   | 8,327                   |
| Deferred profit of projects   | 70,360                  | 40,793                  |
| Basis difference related to acquisitions  | 26,459                  | 18,339                  |
| Others  | 1,806                   | 3,047                   |
| Total deferred tax liabilities, gross   | 105,056                 | 75,064                  |
| Net deferred tax assets (liabilities)   | 2,610                   | 106,691                 |
| Analysis as:  |                         |                         |
| Current deferred tax assets   | 40,810                  | 30,013                  |
| Non-current deferred tax assets   | 66,856                  | 97,134                  |
| Current deferred tax liabilities  | 94,711                  | 1,426                   |
| Non-current deferred tax liabilities  | 10,345                  | 19,030                  |

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|                                       |       |         |
|---------------------------------------|-------|---------|
| Net deferred tax assets (liabilities) | 2,610 | 106,691 |
|---------------------------------------|-------|---------|

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 18. INCOME TAXES (Continued)

Movement of the valuation allowance is as follows:

|  | Years Ended December 31, |         |         |
|--|--------------------------|---------|---------|
|  | 2013                     | 2014    | 2015    |
|  | \$                       | \$      | \$      |
| Beginning balance                      | 54,140                   | 57,190  | 52,985  |
| Additions (Reversals)                  | 4,671                    | (4,411) | (944)   |
| Addition from acquisition of Recurrent |                          |         | 4,949   |
| Foreign exchange effect                | (1,621)                  | 206     | (1,031) |
| Ending balance                         | 57,190                   | 52,985  | 55,959  |

As of December 31, 2015, the Company has accumulated net operating losses of \$307,550, of which \$110,346 will expire between 2016 and 2034, and the remaining can be carried forward indefinitely.

The Company considers positive and negative evidence to determine whether some portion or all of the deferred tax assets will not be realized. This assessment considers, among other matters, the nature, frequency and severity of recent losses, forecasts of future profitability, the duration of statutory carry-forward periods, the Company's experience with tax attributes expiring unused and tax planning alternatives. The Company has considered the following possible sources of taxable income when assessing the realization of deferred tax assets:

Tax planning strategies;

Future reversals of existing taxable temporary differences;

Further taxable income exclusive of reversing temporary differences and carry-forwards;

The ultimate realization of deferred tax assets is dependent upon the generation of future taxable income during the periods in which those temporary differences become deductible for tax purposes. As a result, the Company has recognized a valuation allowance of \$52,985 and \$55,959 as at December 31, 2014 and 2015, respectively.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

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## 18. INCOME TAXES (Continued)

Reconciliation between the provision for income tax computed by applying Canadian federal and provincial statutory tax rates to income before income taxes and the actual provision and benefit for income taxes is as follows:

|   | Years Ended December 31, |      |      |
|---|--------------------------|------|------|
|   | 2013                     | 2014 | 2015 |
| Combined federal and provincial income tax rate                             | 27%                      | 27%  | 27%  |
| Effect of permanent difference  |                          |      | 1%   |
| Effect of different tax rate of subsidiary operations in other jurisdiction | 1%                       | (2)% | (3)% |
| Unrecognized tax benefits   | 5%                       |      |      |
| Valuation allowance   | 5%                       | (1)% |      |
| Change of tax rates in subsequent years                                     | (23)%                    |      |      |
| Effect of true-up   |                          |      | (1)% |
| Foreign exchange effect   |                          |      | (2)% |
|   | 15%                      | 24%  | 22%  |

In accordance with the EIT Law, dividends, which arise from profits of foreign invested enterprises earned after January 1, 2008, are subject to a 10% withholding income tax. Under applicable accounting principles, a deferred tax liability should be recorded for taxable temporary difference attributable to excess of financial reporting basis over tax basis in the investment in a foreign subsidiary. However, a deferred tax liability is not recognized if the basis difference is not expected to reverse in the foreseeable future and is expected to be permanent in duration. As of December 31, 2015, all of the undistributed earnings of approximately \$197.6 million attributable to the Company's PRC subsidiaries and affiliates are considered to be permanently reinvested, and no provision for PRC withholding income tax on dividend has been made thereon accordingly. Upon distribution of those earnings generated after January 1, 2008, in the form of dividends or otherwise, the Company would be subject to the then applicable PRC tax laws and regulations. Distributions of earnings generated before January 1, 2008 are exempt from PRC dividend withholding tax. The amounts of unrecognized deferred tax liabilities for these earnings are in the range of \$9.88 million to \$19.76 million, as the withholding tax rate of the profit distribution will be 5% or 10% depends on whether the immediate offshore companies can enjoy the preferential withholding tax rate of 5%.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

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## 19. EARNINGS PER SHARE

The following table sets forth the computation of basic and diluted earnings per share for the years indicated:

|  | Years Ended December 31,                                      |            |            |
|--|---|------------|------------|
|  | 2013  | 2014       | 2015       |
|  | (In Thousands of US Dollars, except share and per share data) |            |            |
| <b>Numerator:</b>  |   |            |            |
| Net income attributable to Canadian Solar Inc. basic                                 | \$ 31,659   | \$ 239,502 | \$ 171,861 |
| Dilutive effect of interest expense of convertible notes                             |   | 4,641      | 5,275      |
| Net income attributable to Canadian Solar Inc. diluted                               | \$ 31,659   | \$ 244,143 | \$ 177,136 |
| <b>Denominator:</b>  |   |            |            |
| Denominator for basic calculation weighted average number of common shares basic     | 46,306,739  | 54,408,037 | 55,728,903 |
| Diluted effects of share number from share options and RSUs                          | 4,081,545   | 2,051,601  | 1,343,162  |
| Diluted effects of share number from warrants  |   |            | 20,658     |
| Dilutive effects of share number from convertible notes                              |   | 2,894,977  | 3,333,333  |
| Denominator for diluted calculation weighted average number of common shares diluted | 50,388,284  | 59,354,615 | 60,426,056 |
| Basic earnings per share   | \$ 0.68   | \$ 4.40    | \$ 3.08    |
| Diluted earnings per share   | \$ 0.63   | \$ 4.11    | \$ 2.93    |

The following table sets forth anti-dilutive shares excluded from the computation of diluted earnings per share for the years indicated.

|                        | Years Ended December 31, |        |         |
|------------------------|--------------------------|--------|---------|
|                        | 2013                     | 2014   | 2015    |
| Share options and RSUs | 434,529                  | 95,422 | 115,017 |





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**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

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**20. RELATED PARTY BALANCES AND TRANSACTIONS**

***Related party balances:***

The amount due from related parties of \$104,579 as of December 31, 2015 consists of (i) trade receivable of \$1,619 for solar power products sold to Gaochuangte, the Company's 40% owned affiliate, (ii) prepayments for bid deposits of \$1,836 to CSI Skypower, the Company's 50% owned affiliate, and (iii) trade receivable of \$101,124 for solar power products sold and development services provided to the Company's 49% owned affiliates, i.e. Tranquillity, Garland, and Roserock. No amount was due as of December 31, 2015.

The amount due from related parties of \$4,217 as of December 31, 2014 consists of (i) a trade receivable of \$1,499 from Gaochuangte for solar power products sold, (ii) prepayments for bidding of \$2,718 to CSI Skypower. No amount was due as of December 31, 2014.

The amount due to related parties of \$90,002 as of December 31, 2015 consists of (i) advance of \$36,982 from the Company's 49% owned affiliates, (ii) a trade payable of \$25,827 due to Gaochuangte for the EPC service fees, (iii) advances receipt of development services fee of \$27,116 from Tranquillity and Roserock, and (iv) a government award of \$77 to Dr. Shawn Qu, Chairman, President, Chief Executive Officer, and major shareholder of the Company, which was initially paid to the Company.

The amount due to related party of \$17,592 as of December 31, 2014 consists of (i) a government award of \$82, payable to Dr. Shawn Qu, which was initially paid to the Company, and (ii) a trade payable of \$17,510 to Gaochuangte for the EPC service fees.

***Related party transactions:***

**Guarantees and loans**

Dr. Shawn Qu fully guaranteed a one-year RMB 1,866 million, RMB 888 million and RMB 896 million (\$138.0 million) loan facilities from Chinese commercial banks in 2013, 2014 and 2015, respectively. Amounts drawn down from the facilities as at December 31, 2014 and 2015 were \$145,095 and \$78,225, respectively.

Dr. Shawn Qu fully guaranteed a two-year RMB 450 million (\$69.3 million) loan facility from Chinese commercial banks in 2015. Amounts drawn down from the facilities as at December 31, 2015 were \$63,113.

Dr. Shawn Qu fully guaranteed three-year \$150 million loan facilities from Chinese commercial banks in 2015. No amounts were drawn down from the facilities as at December 31, 2015.

In the first quarter of 2015, Dr. Shawn Qu loaned the Company \$35.0 million at an interest rate of 4.25%. The Company fully repaid the loan, including interest of \$21 in March of 2015. As of December 31, 2015, the Company had no outstanding borrowings with Dr. Shawn Qu.

In January 2014, Dr. Shawn Qu loaned the Company an aggregate of \$25.0 million at an interest rate of 4.27%. The Company repaid the loans, including interest of \$112 in January and February 2014. As of December 31, 2014, the Company had no outstanding borrowings with Dr. Shawn Qu.

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**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

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**20. RELATED PARTY BALANCES AND TRANSACTIONS (Continued)**

In May, June and August of 2013, Dr. Shawn Qu loaned the Company an aggregate of \$13.0 million at an interest rate of 4.27%. The Company fully repaid the loans, including interest of \$242 in November and December 2013 and subsequently had no outstanding borrowings with Dr. Shawn Qu.

In October 2014, SZSP guaranteed loan facilities from Chinese banks for GCL-CSI (Suzhou) Photovoltaic Technology Co., Ltd of \$6.1 million (RMB37.2 million) in total due within three years. As of December 31, 2015, the loan facility was \$3.2 million (RMB21.0 million) in total due within two years. No amounts were drawn down from the facilities as at December 31, 2015.

Recurrent entered into buyer payment guaranties with a third party supplier in connection with certain solar module supply agreements of Tranquillity and Garland, pursuant to which Recurrent unconditionally guarantees to the third party supplier the timely payment in full when due and other payment obligations of Tranquillity and Garland required under the solar module supply agreements. As of December 31, 2015, the payable balances due by Tranquillity and Garland was \$98.2 million and nil, respectively.

**Sales and purchase contracts with affiliates**

In 2015, the Company sold solar power products to Gaochuangte in the amount of \$6,508 (RMB39,922), sold solar power products to Roserock and Garland in the amount of \$28,132, provided development services to Tranquillity, Garland, and Roserock in the amount of \$69,712.

In 2014, the Company sold solar power products to Gaochuangte in the amount of \$2,568 (RMB15,740).

In 2015, the Company incurred costs of \$28,159 (RMB175,272) to Gaochuangte for EPC services related to the Company's solar power projects. These amounts were recorded in project assets.

In 2014, the Company incurred costs of \$5,515 (RMB33,884) to Gaochuangte for EPC services related to the Company's solar power projects. These amounts were recorded in project assets.

**21. COMMITMENTS AND CONTINGENCIES**

*a)*

***Operating lease commitments***

The Company has operating lease agreements principally for its office properties in the PRC, Canada, Japan and the United States. Such leases have remaining terms ranging from 1 to 324 months and are renewable upon negotiation. Rental expenses were \$9,603, \$12,187 and \$15,451 for the years ended December 31, 2013, 2014 and 2015, respectively.

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## 21. COMMITMENTS AND CONTINGENCIES (Continued)

Future minimum lease payments under non-cancelable operating lease agreements at December 31, 2015 were as follows:

| Year Ending December 31: | \$             |
|--------------------------|----------------|
| 2016                     | 10,163         |
| 2017                     | 6,952          |
| 2018                     | 6,066          |
| 2019                     | 5,425          |
| 2020                     | 4,987          |
| Thereafter               | 112,073        |
| <b>Total</b>             | <b>145,666</b> |

b)

*Property, plant and equipment purchase commitments*

As of December 31, 2015, the commitments for the purchase of property, plant and equipment were \$61,879.

c)

*Solar power systems commitments*

As of December 31, 2015, the commitments for development and construction of the solar power systems were \$473,143.

d)

*Supply purchase commitments*

In order to secure future solar wafers supply, the Company has entered into long-term supply agreements with suppliers in the past several years. Under such agreements, the suppliers agreed to provide the Company with specified quantities of solar wafers, and the Company has made prepayments to the suppliers in accordance with the supply contracts.

Total purchases under the long-term agreements were approximately \$213,833, \$143,197 and \$1,480,120 during the years ended December 31, 2013, 2014 and 2015, respectively.

The following is a schedule, by year, of future minimum obligation, using market prices as of December 31, 2015, under all supply agreements as of December 31, 2015:

| Year Ending December 31: | \$               |
|--------------------------|------------------|
| 2016                     | 428,252          |
| 2017                     | 529,585          |
| 2018                     | 522,283          |
| <b>Total</b>             | <b>1,480,120</b> |



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21. COMMITMENTS AND CONTINGENCIES (Continued)

d)

*Contingencies*

Deutsche Solar AG

In 2007, the Company entered into a twelve-year wafer supply agreement with Deutsche Solar AG, under which the Company was required to purchase a contracted minimum volume of wafers at pre-determined fixed prices and in accordance with a pre-determined schedule, commencing January 1, 2009. The fixed prices may be adjusted annually at the beginning of each calendar year by Deutsche Solar AG to reflect certain changes in their material costs. The agreement also contains a take-or-pay provision, which requires the Company to pay the contracted amount regardless of whether the Company acquires the contracted annual minimum volumes. In 2009, the Company did not meet the minimum volume requirements under the agreement. Deutsche Solar AG agreed that the Company could fulfill its fiscal 2009 purchase obligation in fiscal 2010. In 2010, the Company fulfilled its 2009 purchase commitment under the agreement but did not meet the minimum purchase obligation for 2010. In 2011, the Company did not meet its purchase commitment for the respective years. The Company believes that the take-or-pay provisions of the agreement are void under German law and, accordingly, as of December 31, 2010 had not accrued for the full \$21,144 that would otherwise be due under the take-or-pay provision of the agreement. Rather, the Company assumed that it would be permitted to purchase its 2010 contracted quantity, in addition to its 2011 contracted quantity, in fiscal 2011 and had included the purchase obligation for both years in its evaluation of the loss on the long-term purchase commitments. The Company did not record a loss on firm purchase commitments in any of the three years ended December 31, 2015.

In December 2011, Deutsche Solar AG gave notice to the Company to terminate the twelve-year wafer supply agreement with immediate effect. Deutsche Solar AG justified the termination with alleged breach of the agreement by the Company. In the notice, Deutsche Solar AG also reserved its right to claim damage of Euro148.6 million in court. The agreement was terminated in 2011. As a result, the Company reclassified the accrued loss on firm purchase commitments reserve of \$27,862 as of December 31, 2011 to loss contingency accruals. In addition, the Company made a full bad debt allowance of \$17,409 against the balance of its advance payments to Deutsche Solar as a result of the termination of the long-term supply contract. As of December 31, 2015, the accrued amount of \$23,500 represents the Company's best estimate for its loss contingency. Deutsche Solar did not specify the basis for its claimed damage of Euro 148.6 million in the notice.

LDK

In 2007, the Company entered into a three-year agreement with Jiangxi LDK Solar Hi-Tech Co., Ltd., or LDK, under which the Company purchased specified quantities of silicon wafers and LDK converted the Company's reclaimed silicon feedstock into wafers. In June 2008, the Company entered into two long-term supply purchase agreements with LDK in which the Company was required to purchase a contracted minimum volume of wafers at pre-determined fixed prices and in accordance with a pre-determined schedule. In April 2010, the Company sent a notice to LDK and announced termination of these two contracts.

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**21. COMMITMENTS AND CONTINGENCIES (Continued)**

In July 2010, CSI Cells Co. Ltd., one of the Company's wholly-owned subsidiaries, filed a request for arbitration against LDK with Shanghai International Economy and Trade Arbitration Commission (formerly known as CIETAC Shanghai Branch) in relation to wafer supply contracts the Company entered into with LDK in October 2007 (the "2007 Supply Contract") and in June 2008 (the "2008 Supply Contracts"). In December 2012, CIETAC Shanghai Branch awarded RMB248.9 million (\$38.4 million) in compensation plus RMB2.32 million (\$0.4 million) in arbitration expenses to LDK for the damages LDK claimed to have suffered from the alleged breaches by the Company of the 2007 Supply Contract and 2008 Supply Contracts between July 2009 and September 2010 (the "2012 Arbitral Award"). In December 2012, the Company made a non-cash provision totaling \$30.0 million following an arbitration award made against the Company by CIETAC Shanghai Branch in favor of LDK.

In February 2013, LDK filed for enforcement of 2012 Arbitral Award with Jiangsu Suzhou Intermediate People's Court, (the "Suzhou Intermediate Court"). In 2013, LDK initiated two separate proceedings against the Company in Jiangxi Xinyu Intermediate People's Court, (the "Xinyu Intermediate Court"), claiming that the Company had forfeited its rights to the initial deposits under the 2007 Supply Contract and 2008 Supply Contracts because of the alleged breaches under these contracts. Accordingly, the Company reversed the provision of \$30.0 million in the first quarter of 2013. On October 18, 2013, the Xinyu Intermediate Court stayed these proceedings pending the decision by the Suzhou Intermediate Court as to the 2012 Arbitral Award.

On September 9, 2015, the Suzhou Intermediate Court ruled in favor of LDK. On October 19, 2015, the Company reached a settlement agreement with LDK (the "2015 Settlement Agreement"). Under the 2015 Settlement Agreement, the Company agreed to pay RMB132.7 million (\$20.8 million) to LDK and to purchase 64.3 million pieces of silicon wafers from LDK at market price over a three year period starting in or around December 2015, in exchange for which LDK (i) would release the Company from the 2012 Arbitration Award and waive LDK's rights and claims thereunder and (ii) would withdraw LDK's complaints from the Xinyu Intermediate Court and terminate such proceedings. The Suzhou Intermediate Court reviewed and approved the 2015 Settlement Agreement and terminated the enforcement proceeding relating to the 2012 Arbitral Award. The Company has already paid the required amounts and fulfilled its obligations under the 2015 Settlement Agreement. The \$20.8 million paid to LDK was recognized as general and administrative expenses in 2015. As of December 31, 2014, the Company had provided a full allowance against the advance to LDK of \$9,798, due to the uncertainty of recovery. As of December 31, 2015, the allowance was written-off.

In March 2014, LDK filed an application for arbitration with CIETAC, seeking compensation and enforcement expenses for damages LDK claimed to have suffered from the alleged breaches under the 2008 Supply Contracts between October 2010 and December 2013. The Company filed counterclaims against LDK in July 2014. On December 22, 2015, CIETAC ruled to reject both LDK's claims and the Company's counterclaims.

Class Action Lawsuits

Following the two subpoenas from the SEC in 2010, six class action lawsuits were filed in the U.S. District Court for the Southern District of New York, or the New York cases, and another class action

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**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

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**21. COMMITMENTS AND CONTINGENCIES (Continued)**

lawsuit was filed in the U.S. District Court for the Northern District of California, or the California case. The New York cases were consolidated into a single action in December 2010. On January 5, 2011, the California case was dismissed by the plaintiff, who became a member of the lead plaintiff group in the New York action. On March 11, 2011, a Consolidated Complaint was filed with respect to the New York action. The Consolidated Complaint alleges generally that the Company's financial disclosures during 2009 and early 2010 were false or misleading; asserts claims under Sections 10(b) and 20(a) of the Exchange Act and Rule 10b-5 thereunder; and names the Company, its chief executive officer and its former chief financial officer as defendants. The Company filed its motion to dismiss in May 2011, which was taken under submission by the Court in July 2011. On March 30, 2012, the Court dismissed the Consolidated Complaint with leave to amend, and the plaintiffs filed an Amended Consolidated Complaint against the same defendants on April 19, 2012. On March 29, 2013, the Court dismissed with prejudice a class action lawsuit filed against us and certain named defendants alleging that our financial disclosures during 2009 and early 2010 were false or misleading and in violation of federal securities law. The court found that the plaintiffs failed to adequately allege a securities law violation and granted the Company's motion to dismiss all claims against all defendants with prejudice. On December 20, 2013, the United States Court of Appeals for the Second Circuit affirmed the district court's order dismissing such class action lawsuit.

In addition, a similar class action lawsuit was filed against the Company and certain of its executive officers in the Ontario Superior Court of Justice on August 10, 2010. The lawsuit alleges generally that the Company's financial disclosures during 2009 and 2010 were false or misleading and brings claims under the shareholders' relief provisions of the CBCA, Part XXIII.1 of the Ontario Securities Act as well as claims based on negligent misrepresentation. In December 2010, the Company filed a motion to dismiss the Ontario action on the basis that the Ontario Court has no jurisdiction over the claims and potential claims advanced by the plaintiff. The court dismissed the Company's motion on August 29, 2011. On March 30, 2012, the Ontario Court of Appeal denied the Company's appeal with regard to its jurisdictional motion. On November 29, 2012, the Supreme Court of Canada denied the Company's application for leave to appeal the order of the Ontario Court of Appeal. The plaintiff's motions for class certification and leave to assert the statutory cause of action under the Ontario Securities Act were served in January 2013 and initially scheduled for argument in the Ontario Superior Court of Justice in June 2013. However, the plaintiff's motions were adjourned in view of the plaintiff's decision to seek an order compelling the Company to file additional evidence on the motions. On July 29, 2013 the Court dismissed the plaintiff's motion to compel evidence. On September 24, 2013 the plaintiff's application for leave to appeal from the July 29 order was dismissed. In September 2014, the plaintiff obtained an order granting him leave to assert the statutory cause of action under the Ontario Securities Act for certain of his misrepresentation claims.

In January 2015, the plaintiff in a class action lawsuit filed against the Company and certain of its executive officers in the Ontario Superior Court of Justice obtained an order for class certification in respect of certain claims for which he obtained leave to assert the statutory cause of action under the Ontario Securities Act, for certain negligent misrepresentation claims and for oppression remedy claims advanced under the Canada Business Corporations Act. The Court dismissed the Company's



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**21. COMMITMENTS AND CONTINGENCIES (Continued)**

application for leave to appeal and the class action has moved to the merits stage. The Company believes the Ontario action is without merit and the Company is defending it vigorously.

Countervailing and anti-dumping duties

In October 2011, a trade action was filed with the U.S. Department of Commerce, or USDOC, and the U.S. International Trade Commission, or USITC, by the U.S. unit of SolarWorld AG and six other U.S. firms, accusing Chinese producers of crystalline silicon photovoltaic cells, or CSPV cells, whether or not incorporated into modules, of selling their products (i.e., CSPV cells or modules incorporating these cells) into the United States at less than fair value, or dumping, and of receiving countervailable subsidies from the Chinese authorities. These firms asked the U.S. government to impose anti-dumping and countervailing duties on Chinese-origin CSPV cells. The Company was identified as one of a number of Chinese exporting producers of the subject goods to the U.S. market. The Company also has affiliated U.S. operations that import the subject goods from China.

On October 9, 2012, the USDOC issued final affirmative determinations in the anti-dumping and countervailing duty investigations on CSPV cells, whether or not incorporated into modules, from China. On November 7, 2012, the USITC ruled that imports of CSPV cells had caused material injury to the U.S. CSPV industry. As a result of these rulings, the Company is required to pay cash deposits on Chinese-origin CSPV cells imported into the U.S., whether alone or incorporated into modules. The announced cash deposit rates applicable to the Company were 13.94% (anti-dumping duty) and 15.24% (countervailing duty). The Company paid all the cash deposits due under these determinations. A number of parties challenged the determinations of the USDOC and the USITC in appeals to the U.S. Court of International Trade. On August 7, 2015, the U.S. Court of International Trade sustained the USITC's final determination and on December 11, 2015, the U.S. Court of International Trade sustained the USDOC's final determination.

These cash deposit rates were modified on July 14, 2015, when the USDOC published its final results of the 2012-2013 administrative reviews of the anti-dumping and countervailing duty orders on CSPV cells. As a result of these rulings, the cash deposit rates applicable to us were revised to 9.67% (anti-dumping duty) and 20.94% (countervailing duty). The rates at which duties will be assessed and payable for the 2012-2013 period are subject to ongoing litigation at U.S. Court of International Trade. Decisions on these appeals are not expected until late 2016 or 2017.

The rates at which duties will be assessed and payable for the 2013-2014 period and 2014-2015 period are subject to ongoing administrative reviews that are likely to conclude in mid-2016 and mid-2017, respectively. Those reviews may result in duty rates that differ from the announced deposit rates. These duties could materially and adversely affect the Company's affiliated U.S. import operations and increase its cost of selling into the U.S.

On December 31, 2013, the U.S. unit of SolarWorld AG filed a new trade action with the USDOC and the USITC accusing Chinese producers of certain CSPV cells and modules of dumping their products into the U.S. and of receiving countervailable subsidies from the Chinese authorities. This trade action also accused Taiwanese producers of certain CSPV cells and modules of dumping their products into the U.S. Excluded from these new actions were those Chinese-origin solar products covered by the 2012 rulings detailed in the prior paragraphs. The Company was identified as one of a number of Chinese producers exporting subject goods to the U.S. market.

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**21. COMMITMENTS AND CONTINGENCIES (Continued)**

On December 15, 2014, the USDOC issued final affirmative determinations in these anti-dumping and countervailing duty investigations. On January 21, 2015, the USITC ruled that imports of these CSPV products had caused material injury to the U.S. CSPV industry. As a result of these rulings, the Company is required to pay cash deposits on subject CSPV imports from China. Cash deposit rates for the Company's subject Chinese-origin products were announced as being 30.06% (anti-dumping duty) and 38.43% (countervailing duty). A number of parties have appealed these USDOC and USITC rulings to the U.S. Court of International Trade. Decisions on these appeals are not expected until 2016 or later.

The rates at which duties will be assessed and payable for the 2014-2015 period are subject to ongoing administrative reviews. Those reviews may result in duty rates that differ from the announced deposit rates. These duties could materially and adversely affect the Company's affiliated U.S. import operations and increase the Company's cost of selling into the U.S.

In 2015, a total of \$128.9 million cash deposits were provided relating to countervailing and anti-dumping rulings in the U.S., of which \$111.9 million were charged into cost of sales and \$17.0 million remained as inventories as at December 31, 2015. Given the significant uncertainty surrounding the investigations and their ultimate resolution, the Company is unable to estimate any additional possible loss or range of loss that may arise from this action.

On September 6, 2012, following a complaint lodged by EU ProSun, an ad-hoc industry association of EU CSPV module, cell and wafer manufacturers, the European Commission initiated an anti-dumping investigation concerning EU imports of CSPV modules and key components (i.e., cells and wafers) originating in China. On November 8, 2012, following a complaint lodged by the same parties, the European Commission initiated an anti-subsidy investigation on these same products. In each investigation, the Company was identified as one of a number of Chinese exporting producers of these products to the EU market.

On December 6, 2013, the EU imposed definitive anti-dumping and countervailing measures on imports of CSPV modules and key components (i.e., cells) originating in or consigned from China. The European Commission accepted the Company's offer for an undertaking agreement, according to which duties were not payable on the Company's products sold into the EU, so long as the Company respected the terms and conditions of the undertaking, including a volume ceiling and minimum import price arrangement, and until the measures expired or the European Commission withdrew the undertaking agreement.

On February 28, 2014, the Company filed separate actions with the General Court of the EU for annulment of the regulation imposing the definitive anti-dumping measures and of the regulation imposing the definitive countervailing measures (case T-162/14 and joined cases T-158/14, T-161/14, and T-163/14). These actions for annulment are ongoing.

On June 20, 2014, the Company filed a request for leave to intervene in two separate actions brought by SolarWorld AG and others before the General Court of the EU for annulment of the undertaking agreement between the European Commission and Chinese exporting producers (cases T-141/14 and T-142/14). On November 28, 2014, the Company was granted leave to intervene. On

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**21. COMMITMENTS AND CONTINGENCIES (Continued)**

February 2, 2015, the Company filed its observations challenging the admissibility of the actions and rebutting claims that the undertaking agreement violates EU law.

On June 4, 2015, the European Commission withdrew the acceptance of the Company's undertaking offer.

On November 23, 2015, the Company submitted to the General Court of the European Union requests for the withdrawal of the Company's intervention in cases T-141/14 and T-142/14. On February 1, 2016, the General Court of the EU declared both actions brought by SolarWorld AG and others to be inadmissible and accepted the Company's request for the withdrawal of the its intervention.

On December 5, 2015, the European Commission initiated expiry (sunset) reviews of the anti-dumping and countervailing measures on imports of CSPV modules and key components (i.e., cells) originating in or consigned from China. The outcome of the expiry reviews can be only the extension of the measures at their existing level or their termination; the measures cannot be amended. Also on December 5, 2015, the European Commission initiated an interim (changed circumstances) review limited to the question whether cells should be excluded from the scope of the measures. The anti-dumping and countervailing measures on imports of CSPV modules and key components (i.e., cells) originating in or consigned from China will, in any event, remain in force for the duration of the reviews and may subsequently be extended for up to five years. The reviews must be terminated by March 4, 2017.

On December 18, 2015, the European Commission confirmed the Company's status as an interested party in the three review proceedings. The Company has not requested to be sampled in the expiry reviews and the European Commission does not intend to apply sampling in the interim review.

On June 3, 2015, the CBSA released final determinations of dumping and subsidization which found dumping calculated by way of a Ministerial Specification based on a Non Market Economy finding applicable to all cooperative exporters and ascertained a Canadian Solar-specific subsidies rate of RMB 0.014 per Watt. On July 3, 2015 the Canadian International Trade Tribunal determined that a Canadian industry was not negatively affected as a result of imported modules but was threatened with negative impact. As a result of these findings, definitive duties have been imposed on imports of Chinese Solar Modules into Canada starting on July 3, 2015. The Company does not believe the imposition of these duties will have a material negative effect upon its results of operations because it has significant module manufacturing capacity in Ontario and do not rely on Chinese solar modules to serve its Canadian business.

**22. SEGMENT INFORMATION**

The Company uses the management approach to determine operating segments. The management approach considers the internal organization and reporting used by the Company's chief operating decision maker for making decisions, allocating resources and assessing performance. The Company's chief operating decision maker ("CODM") has been identified as the Chief Executive Officer of the

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**22. SEGMENT INFORMATION (Continued)**

Company, who reviews consolidated and segment results when making decisions about allocating resources and assessing performance of the Company.

The Company operates its business in three principal reportable business segments, i.e., module segment, energy development segment and electricity generation segment. The module segment primarily involves design, development, manufacture and sales of solar power products and solar system kits. The energy development segment involves solar power project development, EPC services, developments services and O&M services. The electricity generation segment primarily holds the solar power projects for the purpose of generating income from the sale of electricity. The sales from module segment to energy segment have terms and conditions similar to sales to third parties. The Company's CODM reviews net revenue and gross profit and does not review balance sheet information by segment.

The following table summarizes the Company's revenues and gross profit generated from each segment:

|                  | Years Ended December 31, 2015 |                    |                        |             |           |
|------------------|-------------------------------|--------------------|------------------------|-------------|-----------|
|                  | Module                        | Energy Development | Electricity Generation | Elimination | Total     |
|                  | \$                            | \$                 | \$                     | \$          | \$        |
| Net revenues     | 2,672,689                     | 947,188            | 32,059                 | (184,310)   | 3,467,626 |
| Cost of revenues | 2,277,904                     | 760,283            | 18,668                 | (165,999)   | 2,890,856 |
| Gross profit     | 394,785                       | 186,905            | 13,391                 | (18,311)    | 576,770   |

|                  | Years Ended December 31, 2014 |                    |                        |             |           |
|------------------|-------------------------------|--------------------|------------------------|-------------|-----------|
|                  | Module                        | Energy Development | Electricity Generation | Elimination | Total     |
|                  | \$                            | \$                 | \$                     | \$          | \$        |
| Net revenues     | 2,034,626                     | 1,210,036          | 2,863                  | (286,898)   | 2,960,627 |
| Cost of revenues | 1,721,474                     | 929,741            | 2,020                  | (273,602)   | 2,379,633 |
| Gross profit     | 313,152                       | 280,295            | 843                    | (13,296)    | 580,994   |

|                  | Years Ended December 31, 2013 |                    |                        |             |           |
|------------------|-------------------------------|--------------------|------------------------|-------------|-----------|
|                  | Module                        | Energy Development | Electricity Generation | Elimination | Total     |
|                  | \$                            | \$                 | \$                     | \$          | \$        |
| Net revenues     | 1,483,751                     | 322,927            | 1,327                  | (153,649)   | 1,654,356 |
| Cost of revenues | 1,298,949                     | 233,159            | 564                    | (154,011)   | 1,378,661 |

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|              |         |        |     |     |         |
|--------------|---------|--------|-----|-----|---------|
| Gross profit | 184,802 | 89,768 | 763 | 362 | 275,695 |
|--------------|---------|--------|-----|-----|---------|

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

## 22. SEGMENT INFORMATION (Continued)

The following table summarizes the Company's net revenues generated from different geographic locations. The information presented below is based on the location of customers' headquarters:

|                           | Years Ended December 31, |           |           |
|---------------------------|--------------------------|-----------|-----------|
|                           | 2013                     | 2014      | 2015      |
|                           | \$                       | \$        | \$        |
| Europe and other regions: |                          |           |           |
| United Kingdom            | 32,901                   | 59,878    | 98,800    |
| France                    | 26,406                   | 9,990     | 97,398    |
| Germany                   | 72,186                   | 137,012   | 75,912    |
| Netherlands               | 12,882                   | 9,166     | 12,859    |
| Spain                     | 16,135                   | 1,125     | 8,246     |
| Others                    | 35,378                   | 42,874    | 40,168    |
|                           | 195,888                  | 260,045   | 333,383   |
| The Americas:             |                          |           |           |
| United States             | 215,262                  | 604,537   | 903,748   |
| Canada                    | 371,841                  | 1,182,091 | 747,100   |
| Others                    | 1,176                    | 8,862     | 99,152    |
|                           | 588,279                  | 1,795,490 | 1,750,000 |
| Asia:                     |                          |           |           |
| Japan                     | 483,788                  | 623,692   | 578,173   |
| PRC                       | 199,664                  | 163,658   | 402,180   |
| India                     | 68,731                   | 63,817    | 262,536   |
| Singapore                 | 36,743                   | 18,021    | 24,131    |
| Others                    | 81,263                   | 35,904    | 117,223   |
|                           | 870,189                  | 905,092   | 1,384,243 |
| Total net revenues        | 1,654,356                | 2,960,627 | 3,467,626 |

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**22. SEGMENT INFORMATION (Continued)**

The following table summarizes the Company's long-lived assets, including property, plant and equipment, project assets, solar power systems, prepaid land use rights and intangible assets at December 31, 2014 and 2015 by geographic region, based on the physical location of the assets:

|                         | At December 31,<br>2014 | At December 31,<br>2015 |
|-------------------------|-------------------------|-------------------------|
|                         | \$                      | \$                      |
| PRC                     | 456,184                 | 412,583                 |
| United States           | 505                     | 627,724                 |
| Canada                  | 29,236                  | 300,482                 |
| United Kingdom          | 6,934                   | 115,797                 |
| Others                  | 65,665                  | 185,751                 |
| Total long-lived assets | 558,524                 | 1,642,337               |

The following table summarizes the Company's revenues generated from each product or service:

|                                       | Years Ended December 31, |           |           |
|---------------------------------------|--------------------------|-----------|-----------|
|                                       | 2013                     | 2014      | 2015      |
|                                       | \$                       | \$        | \$        |
| Solar power products                  | 1,143,247                | 1,550,386 | 2,303,287 |
| Solar system kits                     | 149,768                  | 104,215   | 93,406    |
| Solar power projects                  | 292,024                  | 891,920   | 557,995   |
| EPC services and development services | 29,879                   | 316,572   | 385,882   |
| Electricity                           | 1,327                    | 2,863     | 32,059    |
| O&M services                          | 1,024                    | 1,544     | 3,310     |
| Others                                | 37,087                   | 93,127    | 91,687    |
| Total net revenues                    | 1,654,356                | 2,960,627 | 3,467,626 |

**23. MAJOR CUSTOMERS**

Details of customers accounting for 10% or more of total net revenues are as follows:

|           | Years Ended December 31 |         |         |
|-----------|-------------------------|---------|---------|
|           | 2013                    | 2014    | 2015    |
|           | \$                      | \$      | \$      |
| Company A | 220,566                 | 214,347 | 160,183 |
| Company B | 196,538                 | 218,631 | 7,544   |

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The accounts receivable from the three customers with the largest receivable balances represents 18%, 5% and 4% of the balance of the account at December 31, 2015, and 9%, 8% and 5% of the balance of the account at December 31, 2014, respectively. The balance from the customer with the largest receivable balance is \$78,630 and \$35,569 as of December 31, 2015 and at December 31, 2014 respectively.

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**24. EMPLOYEE BENEFIT PLANS**

Employees of the Company located in the PRC are covered by the retirement schemes defined by local practice and regulations, which are essentially defined contribution schemes. The calculation of contributions for these eligible employees is based on 20% of the applicable payroll cost in 2014. The expense paid by the Company to these defined contributions schemes was \$4,740, \$5,806 and \$6,189 for the years ended December 31, 2013, 2014 and 2015, respectively.

In addition, in 2015, the Company is required by PRC law to contribute approximately 10%, 8%, 2% and 2% of applicable salaries for medical insurance benefits, housing funds, unemployment and other statutory benefits, respectively. The PRC government is directly responsible for the payment of the benefits to these employees. The amounts contributed for these benefits were \$5,461, \$5,980 and \$8,193 for the years ended December 31, 2013, 2014 and 2015, respectively.

**25. SHARE-BASED COMPENSATION**

In March 2006, the Company adopted a share incentive plan, or the Plan. The purpose of the Plan is to promote the success and enhance the value of the Company by linking the personal interests of the directors, employees and consultants to those of the shareholders and providing the directors, employees and consultants with an incentive for outstanding performance to generate superior returns to the shareholders. The Plan is also intended to motivate, attract and retain the services of the directors, employees and consultants upon whose judgment, interest and effort the successful conduct of the Company's operations is largely dependent. In September 2010, the shareholders approved an amendment to the Plan to increase the maximum number of common shares which may be issued pursuant to all awards of options, restricted shares and RSUs under the Plan to the sum of (i) 2,330,000 plus (ii) the sum of (a) 1% of the number of outstanding common shares of the Company on the first day of each of 2007, 2008 and 2009 and (b) 2.5% of the number of outstanding common shares of the Company outstanding on the first day of each calendar year after 2009. The Plan will expire on, and no awards may be granted after, May 8, 2021. Under the terms of the Plan, options are generally granted with an exercise price equal to the fair market value of the Company's ordinary shares and expire ten years from the date of grant.

***Options to Employees***

As of December 31, 2015, there was \$44 in total unrecognized compensation expense related to share-based compensation awards, which is expected to be recognized over a weighted-average period of 0.42 years. During the years ended December 31, 2013, 2014 and 2015, \$2,186, \$1,321 and \$355 was recognized as compensation expense, respectively.

The Company utilizes the Binomial option-pricing model to estimate the fair value of stock options.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**25. SHARE-BASED COMPENSATION (Continued)**

The following assumptions were used to estimate the fair value of stock options granted in 2013. No stock options were granted in 2014 and 2015.

|                   | <b>2013</b> |
|-------------------|-------------|
| Risk free rate    | 2.47%       |
| Volatility ratio  | 89.60%      |
| Dividend yield    |             |
| Annual exit rate  | 3.58%       |
| Exercise multiple | 4.10        |

The Company used the market yield of U.S. dollar dominated Chinese International government bonds with maturity periods that can cover the contractual life of the shares option for the risk-free rates. In 2013, since the Company has been listed for approximately 7 years and its share price history is more comparable to the life of the issued options, the Company estimated the expected volatility based on the annualized standard deviation of its daily stock price return from the date of listing to the valuation date. The Company's dividend policy is to retain earnings for reinvestment purpose and the Company does not intend to distribute dividends, thus the dividend yield is assumed to be zero. The Company estimated the annual exit rates based on the historical general exit rate of staff at different levels. The Company estimated the exercise multiple based on the historical exercise pattern of prior employee stock options granted by the Company.

A summary of the option activity is as follows:

|  | Number<br>of Options | Weighted<br>Average<br>Exercise<br>Price<br><br>\$ | Weighted<br>Average<br>Remaining<br>Contract<br>Terms | Aggregate<br>Intrinsic Value<br>In Thousands of<br>U.S. Dollars |
|--|----------------------|--|---|---|
| Options outstanding at January 1, 2015                       | 846,113              | 12.21  | 5 years   | 11,794  |
| Granted  |                      |  |   |   |
| Exercised  | (167,587)            | 11.14  |   |   |
| Forfeited  | (2,817)              | 9.33   |   |   |
| Options outstanding at December 31, 2015                     | 675,709              | 12.44  | 3 years   | 12,354  |
| Options vested or expected to be vested at December 31, 2015 | 673,105              | 12.45  | 3 years   | 12,302  |
| Options exercisable at December 31, 2015                     | 664,459              | 12.50  | 3 years   | 12,129  |

The weighted average grant-date fair value of options granted in 2013, 2014 and 2015 was \$6.07, nil and nil, respectively. The total intrinsic value of options exercised during the years ended December 31, 2013, 2014 and 2015 was \$20,439, \$7,493 and \$3,422, respectively.

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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**25. SHARE-BASED COMPENSATION (Continued)***RSUs to Employees*

The Company granted 1,361,623, 283,862 and 574,488 RSUs to employees in 2013, 2014 and 2015, respectively. The RSUs entitle the holders to receive the Company's common shares upon vesting. The RSUs were granted for free and generally vest over periods from one to four years based on the specific terms of the grants. The fair market value of the Company's ordinary shares at the date of grant resulted in total compensation cost of approximately \$4.9 million, \$7.3 million and \$13.2 million that will be recognized ratably over the vesting period for the RSUs granted in 2013, 2014 and 2015, respectively. In the years ended December 31, 2013, 2014 and 2015, the Company recognized \$2,321, \$3,767 and \$5,611 in compensation expense associated with these awards, respectively.

As of December 31, 2015, there was \$17,178 of total unrecognized share-based compensation related to unvested RSUs, which is expected to be recognized over a weighted-average period of 1.87 years.

A summary of the RSU activity is as follows:

|                               | Number of<br>Shares | Weighted Average<br>Grant-Date<br>Fair Value<br>\$ |
|-------------------------------|---------------------|--|
| Unvested at January 1, 2015   | 1,610,219           | 7.76   |
| Granted                       | 574,488             | 27.34  |
| Vested                        | (636,000)           | 7.27   |
| Forfeited                     | (237,297)           | 14.39  |
| Unvested at December 31, 2015 | 1,311,410           | 15.75  |

The total fair value of RSUs vested during the years ended December 31, 2013, 2014 and 2015 was \$1,944, \$2,965 and \$4,641, respectively.

**26. WARRANTS**

In connection with \$180 million of two-year senior secured term syndicated loan arranged by Credit Suisse, the Company issued the lenders warrants to purchase up to 1,348,040 shares of common stock, at an exercise price of \$24.48 per share on October 26, 2015, and warrants to purchase up to 940,171 shares of common stock, at an exercise price of \$28.08 per share on December 11, 2015, respectively (the "Warrants"), subject to adjustment under several special circumstances, including anti-dilution clauses.

The Warrants can be settled in cash at the discretion of the holder. As a result, they were accounted for as derivative liabilities which were fair valued at issuance and are subsequently marked to market at the end of each reporting period, until such time as the warrant is exercised or expired.

On the issuance dates of the Warrants, the Company recorded them at the fair value of \$16,378 with an offset to the borrowing proceeds. The Company recognized a loss of \$8,887 from change in fair



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## CANADIAN SOLAR INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

## FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015

(In Thousands of U.S. Dollars, unless otherwise indicated)

**26. WARRANTS (Continued)**

value of the Warrants in the consolidated statements of operations for the year ended December 31, 2015.

The Company utilizes the Binomial model to estimate the fair value of the Warrants. The following assumptions were used to estimate the fair value of the Warrants as of the dates that the Warrants were originally issued and as of December 31, 2015:

|                         | As of October 26,<br>2015 | As of December 11,<br>2015 | As of December 31,<br>2015 |
|-------------------------|---------------------------|----------------------------|----------------------------|
| Exercise price          | \$ 24.48                  | \$ 28.08                   | \$24.48 ~ \$28.08          |
| Risk-free interest rate | 0.672%                    | 0.935%                     | 1.036% ~ 1.057%            |
| Dividend yield          |                           |                            |                            |
| Time to maturity        | 2                         | 2                          | 1.82 ~ 1.95                |
| Expected volatility     | 67.24%                    | 65.13%                     | 63.38% ~ 63.88%            |

The Company used the market yield of U.S. Government Bonds with maturity October 31, 2017 as of the valuation date for the risk-free interest rate. The Company's dividend policy is to retain earnings for reinvestment purpose and the Company does not intend to distribute dividends, thus the dividend yield is assumed to be zero. Expected volatility is based on the historical share price movement of the Company for the period of time close to the expected time to exercise. The expected life is based on the remaining term of the Warrants.

The following is a reconciliation of the beginning and ending balances of the Warrants measured at fair value on a recurring basis using Level 2 inputs:

| Derivative Liabilities                                 | At December 31,<br>2015<br>\$ |
|--|-------------------------------|
| Beginning balance                                      |                               |
| Warrants issued  | 16,378                        |
| Fair value change of the Warrants included in earnings | 8,887                         |
| Ending balance   | 25,265                        |

**27. SUBSEQUENT EVENTS**

In January 2016, the Company closed an offering of 500,000 common shares and received net proceeds of approximately \$13.6 million from this offering, after deducting discounts and commissions but before offering expenses.

In January 2016, the Company closed on a tax equity investment commitment with GE (NYSE: GE) unit GE Energy Financial Services for the 75 megawatt (MWac) Astoria 2 solar power project. The Company also closed a debt facility for the Astoria 2 project, currently under construction in California. The Company will be the managing member of the Astoria 2 solar power project and plans to own and operate the facility. The led club including NORD/LB, Rabobank, Key Bank, and CIT

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**CANADIAN SOLAR INC.**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)**

**FOR THE YEARS ENDED DECEMBER 31, 2013, 2014 and 2015**

**(In Thousands of U.S. Dollars, unless otherwise indicated)**

**27. SUBSEQUENT EVENTS (Continued)**

Bank will provide project-level construction debt, a letter of credit facility and a back-leveraged term loan facility, totaling approximately \$180 million.

In January 2016, the Company bought back \$15 million convertible notes at weighted average price of \$85.13 per \$100 par value.

On January 28, 2016, the Company signed a \$60.0 million loan facility agreement with International Finance Corporation ("IFC"), a member of World Bank Group, to fund the construction of the Company's solar cell and module production facilities in Vietnam and other countries approved by IFC. The loan facility will expire in June 2020. On the same day, the Company signed a subscription agreement with IFC pursuant to which IFC agreed to subscribe 529,661 of the Company's common shares at \$18.88 per share. The subscription was completed in February 2016.

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**Additional Information Financial Statement Schedule I**

**Canadian Solar Inc.**

Schedule I has been provided pursuant to the requirements of Rule 12-04(a) and 4-08(e)(3) of Regulation S-X, which require condensed financial information as to financial position, changes in financial position and results of operations of a parent company as of the same dates and for the same periods for which audited consolidated financial statements have been presented as the restricted net assets of Canadian Solar Inc.'s consolidated and unconsolidated subsidiaries not available for distribution to Canadian Solar Inc. as of December 31, 2015 of \$396,325, exceeded the 25% threshold.

The condensed financial information has been prepared using the same accounting policies as set out in the consolidated financial statements, except that the equity method has been used to account for investments in subsidiaries.

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|  | <b>December 31,<br/>2014</b>   | <b>December 31,<br/>2015</b> |
|--|--|------------------------------|
|  | <b>(In Thousands of U.S. Dollars,<br/>except share<br/>and per share data)</b> |                              |
| <b>ASSETS</b>  |  |                              |
| Current assets:  |  |                              |
| Cash and cash equivalents  | 3,455  | 34,206                       |
| Restricted cash  |  | 6,512                        |
| Accounts receivable trade, net of allowance for doubtful accounts of \$4,302 and \$3,852 at December 31, 2014 and 2015, respectively                           | 4,006  | 2,268                        |
| Inventories  | 443  | 146                          |
| Amounts due from related parties - current   | 252,570  | 725,063                      |
| Derivative assets - current  |  | 1,030                        |
| Advances to suppliers, net   | 1,991  | 226                          |
| Prepaid expenses and other current assets  | 5,852  | 13,809                       |
| <b>Total current assets</b>  | <b>268,317</b>   | <b>783,260</b>               |
| Investment in subsidiaries   | 534,849  | 765,880                      |
| Deferred tax assets, net   | 3,655  | 2,204                        |
| Amount due from related parties - non-current  | 150,000  |                              |
| Other non-current assets   | 48,219   | 62,897                       |
| <b>TOTAL ASSETS</b>  | <b>1,005,040</b>   | <b>1,614,241</b>             |
| <b>LIABILITIES AND EQUITY</b>  |  |                              |
| Current liabilities:   |  |                              |
| Short-term borrowings  |  | 10,000                       |
| Accounts payable   | 5  | 8                            |
| Amounts due to related parties   | 99,011   | 202,359                      |
| Derivative liabilities - current   |  | 27,029                       |
| Other current liabilities  | 6,825  | 12,661                       |
| <b>Total current liabilities</b>   | <b>105,841</b>   | <b>252,057</b>               |
| Accrued warranty costs   | 18,273   | 15,331                       |
| Convertible notes  | 150,000  | 150,000                      |
| Long-term borrowings   |  | 364,680                      |
| Liability for uncertain tax positions  | 14,315   | 13,205                       |
| <b>TOTAL LIABILITIES</b>   | <b>288,429</b>   | <b>795,273</b>               |
| Equity:  |  |                              |
| Common shares - no par value: unlimited authorized shares, 55,161,856 and 55,965,443 shares issued and outstanding at December 31, 2014 and 2015, respectively | 675,236  | 677,103                      |
| Additional paid-in capital   | (25,682)   | (17,139)                     |
| Retained earnings  | 46,999   | 218,860                      |
| Accumulated other comprehensive income   | 20,058   | (59,856)                     |
| <b>TOTAL EQUITY</b>  | <b>716,611</b>   | <b>818,968</b>               |



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|                              |           |           |
|------------------------------|-----------|-----------|
| TOTAL LIABILITIES AND EQUITY | 1,005,040 | 1,614,241 |
|------------------------------|-----------|-----------|

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## FINANCIAL INFORMATION OF PARENT COMPANY

## STATEMENTS OF OPERATIONS

|  | Years Ended December 31        |         |          |
|--|--------------------------------|---------|----------|
|  | 2013                           | 2014    | 2015     |
|  | (In Thousands of U.S. Dollars) |         |          |
| Net revenues   | 11,802                         | 15,900  | 23,302   |
| Cost of revenues   | 5,282                          | 4,401   | 15,850   |
| Gross profit   | 6,520                          | 11,499  | 7,452    |
| Operating expenses:  |                                |         |          |
| Selling expenses   | 3,521                          | 4,000   | 3,309    |
| General and administrative expenses  | 5,724                          | 8,331   | 29,124   |
| Research and development expenses  | 715                            | 416     | 450      |
| Total operating expenses   | 9,960                          | 12,747  | 32,883   |
| Loss from operations   | (3,440)                        | (1,248) | (25,431) |
| Other income (expenses):   |                                |         |          |
| Interest expense   |                                | (6,329) | (17,241) |
| Interest income  | 12,022                         | 10,369  | 34,471   |
| Loss on change in fair value of derivatives  |                                |         | (13,571) |
| Foreign exchange gain (loss)   | (8,455)                        | (5,335) | 1,324    |
| Others   | 427                            | 47      |          |
| Other income (expenses), net:  | 3,994                          | (1,248) | 4,983    |
| Profit (loss) before income taxes and equity in earnings (loss) of subsidiaries and unconsolidated investees | 554                            | (2,496) | (20,448) |
| Income tax expense   | (1,275)                        | (1,005) | (1,231)  |
| Equity in earnings of subsidiaries   | 35,132                         | 243,283 | 193,813  |
| Equity in loss of unconsolidated investees   | (2,752)                        | (280)   | (273)    |
| Net Income   | 31,659                         | 239,502 | 171,861  |

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**FINANCIAL INFORMATION OF PARENT COMPANY**

**STATEMENTS OF COMPREHENSIVE INCOME (LOSS)**

|   | Years Ended December 31,       |          |          |
|---|--------------------------------|----------|----------|
|   | 2013                           | 2014     | 2015     |
|   | (In Thousands of U.S. Dollars) |          |          |
| Net income                                      | 31,659                         | 239,502  | 171,861  |
| Other comprehensive income (net of tax of nil): |                                |          |          |
| Foreign currency translation adjustment         | 3,116                          | (33,853) | (79,913) |
| Comprehensive income                            | 34,775                         | 205,649  | 91,948   |

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Table of Contents**FINANCIAL INFORMATION OF PARENT COMPANY****STATEMENTS OF CASH FLOWS**

|   | Years Ended December 31,       |               |               |
|---|--------------------------------|---------------|---------------|
|   | 2013                           | 2014          | 2015          |
|   | (In Thousands of U.S. Dollars) |               |               |
| <b>Operating activities:</b>  |                                |               |               |
| Net Income  | 31,659                         | 239,502       | 171,861       |
| Adjustments to reconcile net income to net cash provided by (used in) operating activities: |                                |               |               |
| Depreciation and amortization   | 5                              | 1             | 32            |
| Loss on disposal of property, plant and equipment   |                                | 4             |               |
| Loss on change in fair value of derivatives   |                                |               | 13,571        |
| Allowance for doubtful debts  | 1,872                          | 11,434        | 1,535         |
| Equity in earnings of subsidiaries  | (35,132)                       | (243,283)     | (193,813)     |
| Equity in loss of unconsolidated investees  | 2,752                          | 280           | 273           |
| Share-based compensation  | 6,175                          | 5,088         | 5,966         |
| Changes in operating assets and liabilities:  |                                |               |               |
| Inventories   | 2,828                          | (286)         | 296           |
| Accounts receivable trade   | 627                            | (5,244)       | 2,189         |
| Amounts due from related parties  | 85,993                         | 3,905         | 228,284       |
| Advances to suppliers   | (283)                          | (11,836)      | (226)         |
| Prepaid expenses and other current assets   | 8,312                          | (2,260)       | (7,106)       |
| Other non-current assets  | 6,860                          | (19,727)      | (14,710)      |
| Accounts payable  | 9                              | (9)           | 3             |
| Advances from customers   | (122)                          | (657)         | 1,352         |
| Amounts due to related parties  | (18,332)                       | (42,128)      | 103,348       |
| Accrued warranty costs  | (14,644)                       | 84            | (2,941)       |
| Other current liabilities   | (2,558)                        | 3,544         | 4,484         |
| Liability for uncertain tax positions   | 142                            | 633           | (1,111)       |
| Deferred taxes  | 406                            | 1,208         | 1,451         |
| Net settlement of foreign currency derivatives  |                                |               | (3,950)       |
| <br>Net cash provided by (used in) operating activities                                     | <br>76,569                     | <br>(59,747)  | <br>310,788   |
| <b>Investing activities:</b>  |                                |               |               |
| Increase in restricted cash   |                                |               | (6,513)       |
| Investment in subsidiaries  | (10,602)                       | (39,668)      | (116,840)     |
| Purchases of property, plant and equipment  |                                | (5)           |               |
| Funding of loans to subsidiaries  |                                | (128,213)     | (550,776)     |
| <br>Net cash used in investing activities   | <br>(10,602)                   | <br>(167,886) | <br>(674,129) |
| <b>Financing activities:</b>  |                                |               |               |
| Proceeds from short-term borrowings   |                                |               | 10,000        |
| Repayment of short-term borrowings  | (55,754)                       | (12,246)      |               |
| Proceeds from long-term borrowings  |                                |               | 364,680       |
| Repayment of long-term borrowings   | (53,670)                       | (16,393)      |               |
| Proceeds from issuance of warrants  |                                |               | 16,378        |
| Investment on minority shares   |                                |               | (918)         |
| Proceeds from issuance of common shares offering  | 50,000                         | 115,009       |               |
| Issuance costs paid for common shares offering  | (2,113)                        | (6,090)       |               |
| Proceeds from issuance of convertible notes   |                                | 150,000       |               |
| Issuance cost paid on convertible notes   |                                | (5,103)       |               |
| Proceeds from exercise of stock options   | 10,793                         | 3,342         | 1,867         |
| <br>Net cash provided by (used in) financing activities                                     | <br>(50,744)                   | <br>228,519   | <br>392,007   |
| <br>Effect of exchange rate changes   | <br>3,115                      | <br>(27,016)  | <br>2,085     |

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|  |        |          |        |
|--|--------|----------|--------|
| Net increase (decrease) in cash and cash equivalents   | 18,338 | (26,130) | 30,751 |
| Cash and cash equivalents at the beginning of the year | 11,247 | 29,585   | 3,455  |
| Cash and cash equivalents at the end of the year       | 29,585 | 3,455    | 34,206 |
| Supplemental disclosure of cash flow information:      |        |          |        |
| Interest paid (net of amounts capitalized)             |        | 3,942    | 15,299 |
| Income taxes paid                                      |        | 298      | 736    |

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Table of Contents**Appendix 1****Major Subsidiaries of CSI**

The following table sets forth information concerning CSI's major subsidiaries:

| <b>Subsidiary</b>  | <b>Place and date of Incorporation</b>    | <b>Attributable Equity Interest Held</b> | <b>Principal Activity</b>   |
|--|---|--|---|
| CSI Solartronics (Changshu) Co., Ltd.                                  | PRC<br>November 23, 2001                  | 100%                                     | Developing solar power project  |
| CSI Solar Technologies Inc.  | PRC<br>August 8, 2003                     | 100%                                     | Research and developing solar modules   |
| CSI New Energy Holding Co., Ltd.                                       | PRC<br>January 7, 2005                    | 100%                                     | Investment holding  |
| Canadian Solar Manufacturing (Luoyang) Inc.                            | PRC<br>February 24, 2006                  | 100%                                     | Manufacture of solar modules, ingots and wafers   |
| Canadian Solar Manufacturing (Changshu) Inc.                           | PRC<br>August 1, 2006                     | 100%                                     | Production of solar modules   |
| CSI Cells Co., Ltd.  | PRC<br>August 23, 2006                    | 100%                                     | Manufacture of solar cells  |
| Canadian Solar (USA) Inc.  | USA<br>June 8, 2007                       | 100%                                     | Sales and marketing of modules  |
| CSI Project Consulting GmbH  | Germany<br>May 26, 2009                   | 70%                                      | Developing solar power project  |
| Canadian Solar Japan K.K.  | Japan<br>June 21, 2009                    | 100%                                     | Sales and marketing of modules  |
| Canadian Solar Solutions Inc.  | Canada<br>June 22, 2009                   | 100%                                     | Developing solar power project and manufacture of solar modules                                     |
| CSI Solar Power (China) Inc.   | PRC<br>July 7, 2009                       | 100%                                     | Investment holding  |
| Canadian Solar EMEA GmbH   | Germany<br>August 21, 2009                | 100%                                     | Sales and marketing of modules  |
| Canadian Solar (Australia) Pty Limited                                 | Australia<br>February 3, 2011             | 100%                                     | Developing solar power project, sales and marketing of modules                                      |
| Canadian Solar International Limited                                   | Hong Kong<br>March 25, 2011               | 100%                                     | Sales and marketing of modules  |
| Canadian Solar O and M (Ontario) Inc.                                  | Canada<br>May 10, 2011                    | 100%                                     | Solar farm operating and maintenance service  |
| Suzhou Sanysolar Materials Technology Co., Ltd.                        | PRC<br>August 17, 2011                    | 80%                                      | Production of solar module materials  |
| Canadian Solar South East Asia Pte. Ltd.                               | Singapore<br>September 19, 2011           | 100%                                     | Sales and marketing of modules  |
| Canadian Solar South Africa Pty., Ltd.                                 | South Africa<br>June 22, 2012             | 100%                                     | Sales and marketing of modules  |
| Canadian Solar Brazil Commerce, Import and Export of Solar Panels Ltd. | Brazil<br>November 14, 2012               | 100%                                     | Sales and marketing of solar modules, and provide solar energy solution to customer                 |
| Canadian Solar Middle East Limited                                     | United Arab Emirates<br>December 10, 2012 | 100%                                     | Sales and marketing of modules  |
| Canadian Solar (Thailand) Ltd.   | Thailand<br>March 29, 2013                | 100%                                     | Sales and marketing of modules  |
| Canadian Solar Construction (USA) LLC                                  | USA<br>May 20, 2014                       | 100%                                     | Solar farm operating and maintenance service  |
| Canadian Solar Project K.K.  | Japan<br>May 20, 2014                     | 100%                                     | Developing solar power project  |
| CSI-GCL Solar Manufacturing (Yancheng) Co., Ltd.                       | PRC<br>May 29, 2014                       | 80%                                      | Research and developing, manufacture and sales of solar cells, and solar power projects development |
| Canadian Solar UK Ltd  | United Kingdom<br>May 29, 2014            | 100%                                     | Sales and marketing of modules  |
| Canadian Solar UK Projects Ltd   |   | 100%                                     | Developing solar power project  |

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| <b>Subsidiary</b>                                | <b>Place and date of Incorporation</b> | <b>Attributable Equity Interest Held</b> | <b>Principal Activity</b>  |
|--|--|--|--|
| Changshu Tegu New Material Technology Co., Ltd.  | PRC<br>September 2, 2014               | 75%                                      | EVA solar packaging film research and development, production, and sales |
| Changshu Tlian Co., LTD                          | PRC<br>December 26, 2014               | 100%                                     | Junction box and connector research, development, production and sales   |
| Canadian Solar Trading (Changshu) Inc.           | PRC<br>January 22, 2015                | 100%                                     | Sales of solar wafers, cells and other photovoltaic products             |
| Canadian Solar Energy Acquisition Co.            | USA<br>January 22, 2015                | 100%                                     | Developing solar power project   |
| Canadian Solar UK Securities Limited             | United Kingdom<br>February 5, 2015     | 100%                                     | Investment holding   |
| Canadian Solar UK Intermediate Limited           | United Kingdom<br>February 5, 2015     | 100%                                     | Investment holding   |
| Canadian Solar UK Strategies Limited             | United Kingdom<br>February 6, 2015     | 100%                                     | Project management and financing   |
| Recurrent Energy, LLC                            | USA<br>March 31, 2015                  | 100%                                     | Developing solar power project   |
| PT. Canadian Solar Indonesia                     | Indonesia<br>February 26, 2015         | 67%                                      | Production of solar modules  |
| Canadian Solar Manufacturing Vietnam Co., Ltd    | Vietnam<br>June 25, 2015               | 100%                                     | Production of solar modules  |
| Canadian Solar Energy Private Limited            | India<br>May 06, 2015                  | 100%                                     | Sales and marketing of modules   |
| Canadian Solar Australia 1 Pty Ltd               | Australia<br>August 03, 2015           | 100%                                     | Sales and marketing of modules   |
| Canadian Solar Energy Holding Company Limited    | Hong Kong<br>September 22, 2015        | 100%                                     | Investment holding   |
| Canadian Solar UK Holding Limited                | United Kingdom<br>October 7, 2015      | 100%                                     | Investment holding   |
| Canadian Solar UK Investment Limited             | United Kingdom<br>October 8, 2015      | 100%                                     | Investment holding   |
| Canadian Solar UK Parent Limited                 | United Kingdom<br>October 8, 2015      | 100%                                     | Investment holding   |
| Canadian Solar Manufacturing (Thailand) Co.,Ltd. | Thailand<br>November 20, 2015          | 99.99992%                                | Cells and module production  |

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