

CHINA RECYCLING ENERGY CORP

Form S-3

December 01, 2017

As filed with the Securities and Exchange Commission on December 1, 2017.

Registration No. 333-_____

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-3

REGISTRATION STATEMENT

UNDER THE SECURITIES ACT OF 1933

China Recycling Energy Corporation

(Exact Name of Registrant as Specified in Its Charter)

Nevada

(State or Other Jurisdiction of
Incorporation or Organization)
12/F, Tower A

90-0093373

(I.R.S. Employer
Identification Number)

Chang An International Building

No. 88 Nan Guan Zheng Jie

Xi'an City, Shaanxi Province

China 710068

+ 86-29-8765-1098

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Guohua Ku, Chief Executive Officer

12/F, Tower A

Chang An International Building

No. 88 Nan Guan Zheng Jie

Xi An City, Shaanxi Province

China

+ 86-29-87659-1098

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent for Service)

Copies to:

Jeffrey Li

Peter B. Cancelmo

Chelsea Anderson

Garvey Schubert Barer

Flour Mill Building

1000 Potomac Street NW, Suite 200

Washington, D.C. 20007-3501

(202) 298-1735

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this registration statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to rule 413(b) under the Securities Act, check the following box.

Edgar Filing: CHINA RECYCLING ENERGY CORP - Form S-3

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

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if smaller reporting company) Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided to Section 7(a)(2)(B) of the Securities Act.

CALCULATION OF REGISTRATION FEE

Title of Securities	Amount	Proposed Maximum Offering Price Per Share ⁽²⁾	Proposed Maximum Aggregate Offering Price ⁽²⁾	Amount Of Registration Fee ⁽³⁾
To Be Registered ⁽¹⁾	To Be Registered ⁽¹⁾			
Common Stock, \$0.001 par value per share				
Preferred Stock				
Warrants				
Units				
Total	\$ 50,000,000	N/A	\$50,000,000	\$ 6,225.00

We are registering under this Registration Statement such indeterminate number of shares of common stock and preferred stock, such indeterminate number of warrants to purchase common stock and/or preferred stock, and such indeterminate number of units as may be sold by the registrant from time to time, which together shall have an aggregate initial offering price not to exceed \$50,000,000. We may sell any securities we are registering under this Registration Statement separately or as units with the other securities we are registering under this Registration Statement. We will determine, from time to time, the proposed maximum offering price per unit in connection with our issuance of the securities we are registering under this Registration Statement. The securities we are registering under this Registration Statement also include such indeterminate number of shares of common stock and preferred stock as we may issue upon conversion of or exchange for preferred stock that provide for conversion or exchange, upon exercise of warrants or pursuant to the anti-dilution provisions of any of such securities. In addition, pursuant to Rule 416 under the Securities Act of 1933 (the "Securities Act"), the shares we are registering under this Registration Statement include such indeterminate number of shares of common stock and preferred stock as may be issuable with respect to the shares we are registering as a result of stock splits, stock dividends or similar transactions.

We will determine the proposed maximum aggregate offering price per class of security from time to time in connection with our issuance of the securities we are registering under this Registration Statement and we are not specifying such price as to each class of security pursuant to General Instruction II.D. of Form S-3 under the Securities Act.

(3) Calculated pursuant to Rule 457(o) under the Securities Act.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this

Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act or until the Registration Statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities, and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED DECEMBER 1, 2017

PRELIMINARY PROSPECTUS

China Recycling Energy Corporation

\$50,000,000

Common Stock

Preferred Stock

Warrants

Units

We may offer from time to time shares of our common stock, par value \$0.001 (“Common Stock”), preferred stock, warrants and units that include any of these securities. The aggregate initial offering price of the securities sold under this prospectus will not exceed \$50,000,000. We will offer the securities in amounts, at prices and on terms to be determined at the time of the offering.

Our Common Stock is quoted on the NASDAQ Capital Market under the symbol “CREG.” As of November 29, 2017, the aggregate market value of our outstanding Common Stock held by non-affiliates was approximately \$13,718,368 based on 8,310,198 shares of outstanding Common Stock, of which 4,036,563 shares are held by affiliates, and a price

of \$3.21 per share, which was the last reported sale price of our Common Stock as quoted on the NASDAQ Capital Market on that date. As of the date of this prospectus, we have not offered any securities during the past twelve months pursuant to General Instruction I.B.6 of Form S-3. You are urged to obtain current market quotations of our Common Stock.

Each time we sell securities hereunder, we will attach a supplement to this prospectus that contains specific information about the terms of the offering, including the price at which we are offering the securities to the public. The prospectus supplement may also add, update or change information contained or incorporated in this prospectus. You should read this prospectus and the applicable prospectus supplement carefully before you invest in our securities.

The securities hereunder may be offered directly by us, through agents designated from time to time by us or to or through underwriters or dealers. If any agents, dealers or underwriters are involved in the sale of any securities, their names, and any applicable purchase price, fee, commission or discount arrangement between or among them will be set forth, or will be calculable from the information set forth, in the applicable prospectus supplement. See the section entitled "About This Prospectus" for more information.

Investing in our securities involves certain risks. See "Risk Factors" beginning on page 10 of this prospectus. In addition, see "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2016, which has been filed with the Securities and Exchange Commission and is incorporated by reference into this prospectus. You should carefully read and consider these risk factors before you invest in our securities.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is , 2017.

Table of Contents

TABLE OF CONTENTS

	Page
<u>ABOUT THIS PROSPECTUS</u>	1
<u>THE COMPANY</u>	1
<u>RISK FACTORS</u>	10
<u>FORWARD-LOOKING STATEMENTS</u>	11
<u>USE OF PROCEEDS</u>	11
<u>DESCRIPTION OF CAPITAL STOCK</u>	11
<u>DESCRIPTION OF COMMON STOCK</u>	11
<u>DESCRIPTION OF PREFERRED STOCK</u>	13
<u>DESCRIPTION OF WARRANTS</u>	13
<u>DESCRIPTION OF UNITS</u>	14
<u>PLAN OF DISTRIBUTION</u>	15
<u>LEGAL MATTERS</u>	16
<u>EXPERTS</u>	16
<u>INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE</u>	16
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	17

The distribution of this prospectus may be restricted by law in certain jurisdictions. You should inform yourself about and observe any of these restrictions. If you are in a jurisdiction where offers to sell, or solicitations of offers to purchase, the securities offered by this document are unlawful, or if you are a person to whom it is unlawful to direct these types of activities, then the offer presented in this prospectus does not extend to you.

This prospectus provides you with a general description of the securities we may offer. Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of the offering and the offered securities. This prospectus, together with applicable prospectus supplements, any information incorporated by reference, and any related free writing prospectuses we file with the Securities and Exchange Commission (the “SEC”), includes all material information relating to these offerings and securities. We may also add, update or change in the prospectus supplement any of the information contained in this prospectus or in the documents that we have incorporated by reference into this prospectus, including without limitation, a discussion of any risk factors or other special considerations that apply to these offerings or securities or the specific plan of distribution.

We have not authorized anyone to give any information or make any representation about us that is different from, or in addition to, that contained in this prospectus, including in any of the materials that we have incorporated by reference into this prospectus, any accompanying prospectus supplement, and any free writing prospectus prepared or authorized by us. Therefore, if anyone does give you information of this sort, you should not rely on it as authorized by us. You should rely only on the information contained or incorporated by reference in this prospectus and any accompanying prospectus supplement.

You should not assume that the information contained in this prospectus and any accompanying supplement to this prospectus is accurate on any date subsequent to the date set forth on the front of the document or that any information we have incorporated by reference is correct on any date subsequent to the date of the document incorporated by reference, even though this prospectus and any accompanying supplement to this prospectus is delivered or securities are sold on a later date. Neither the delivery of this prospectus, nor any sale made hereunder, shall under any circumstances create any implication that there has been no change in our affairs since the date hereof or that the information incorporated by reference herein is correct as of any time subsequent to the date of such information.

Table of Contents

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement we filed with the Securities and Exchange Commission, or the SEC, using a “shelf” registration process. Under this shelf registration process, we may, from time to time, offer and sell any combination of the securities described in this prospectus in one or more offerings. The aggregate initial offering price of all securities sold under this prospectus will not exceed \$50,000,000.

This prospectus provides certain general information about the securities that we may offer hereunder. Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of the offering and the offered securities. The prospectus supplement will contain the specific information about the terms of the offering. In each prospectus supplement, we will include the following information:

the number and type of securities that we propose to sell;
the public offering price;
the names of any underwriters, agents or dealers through or to which the securities will be sold;
any compensation of those underwriters, agents or dealers;
any additional risk factors applicable to the securities or our business and operations; and
any other material information about the offering and sale of the securities.

In addition, the prospectus supplement may also add, update or change the information contained or incorporated in this prospectus. The prospectus supplement will supersede this prospectus to the extent it contains information that is different from, or that conflicts with, the information contained or incorporated in this prospectus. You should read and consider all information contained in this prospectus and any accompanying prospectus supplement in making your investment decision. **You should also read and consider the information contained in the documents identified under the heading “Incorporation of Certain Documents by Reference” and “Where You Can Find More Information” in this prospectus.**

Unless the context otherwise requires, the terms “CREG,” “the Company,” “we,” “us” and “our” in this prospectus refer to China Recycling Energy Corporation, our subsidiaries and consolidated entities. “China” and the “PRC” refer to the People’s Republic of China.

THE COMPANY

Overview

We are currently engaged in the recycling energy business, providing energy savings and recycling products and services. We are a leading developer of waste energy recycling projects for industrial applications in China, and we believe we are the only developer to use a Build-Operate-Transfer (“BOT”) model to provide energy saving and recovery facilities for multiple energy intensive industries in China. Our waste energy recycling projects allow customers who use substantial amounts of electricity to recapture previously wasted pressure, heat, and gas from their manufacturing processes to generate electricity. We currently offer waste energy recycling systems to companies for use in iron and steel, nonferrous metal, cement, coal and petrochemical plants. We construct our projects at our customer’s facility and the electricity produced is used on-site by the customer. While some of our competitors offer projects targeting one or two verticals, we serve multiple verticals.

We develop fully customized projects across several verticals to better meet customer’s energy recovery needs. Our waste pressure-to-energy solution primarily consists of the Blast Furnace Top Gas Recovery Turbine Unit (“TRT”), a system that utilizes high pressure gas emitted from the blast furnace top to drive turbine units and generate electricity. Our waste heat-to-energy solution primarily consists of heat power generation projects for applications in cement, steel, coking coal, and nonferrous metal industries, which collect the residual heat from various manufacturing processes, e.g. the entrance and exit ends of the cement rotary kilns, to generate electricity. Our waste gas-to-energy solution primarily consists of the Waste Gas Power Generation system (“WGPG”) and the Combined Cycle Power Plant (the “CCPP”). A WGPG system utilizes flammable waste gas from coal mining, petroleum exploitation, refinery processing or other sources as a fuel source to generate electricity through the use of a gas turbine. A CCPP system employs more than one power generating cycle to utilize the waste gas, which not only generates electricity by burning the flammable waste gas in a gas turbine (as a WGPG) but also uses the waste heat from burning the gas to make steam to generate additional electricity via a steam turbine.

Table of Contents

We provide a clean-technology and energy-efficient solution aimed at reducing the air pollution and energy shortage problems in China. Our projects capture industrial waste energy to produce low-cost electricity, enabling industrial manufacturers to reduce their energy costs, lower their operating costs, and extend the life of primary manufacturing equipment. In addition, our waste energy recycling projects allow our industrial customers to reduce their reliance on China's centralized national power grid, which is prone to black-outs or brown-outs or is completely inaccessible from certain remote areas. Our projects generally produce lower carbon dioxide emissions and other pollutants, and are hence more environmentally friendly than other forms of power generation.

Since 2007, we have primarily used the BOT model to serve our customers. For each project, we design, finance, construct and install the waste energy recycling projects for our customers, operate the projects for five to twenty years, and then transfer the projects to the owners. The BOT model creates a win-win solution for both our customers and us. We provide the capital expenditure financing in exchange for attractive returns on each project; our customers can focus their capital resources on their core businesses, do not need to invest additional capitals to comply with government environmental regulations, reduce noise and emissions and reduce their energy costs. We in turn efficiently recapture our costs through the stream of lease payments.

In response to strong trends in the domestic and international markets, the Company intends to transform itself into an energy storage integrated solution provider. The Company anticipates cooperating with strategic partners, including domestic storage companies and research institutions, to leverage its existing expertise in the energy industry for engagement in the developing energy storage markets.

Our History

The Company was incorporated on May 8, 1980 as Boulder Brewing Company under the laws of the State of Colorado. On September 6, 2001, the Company changed its state of incorporation to the State of Nevada. In 2004, the Company changed its name from Boulder Brewing Company to China Digital Wireless, Inc. and on March 8, 2007, again changed its name from China Digital Wireless, Inc. to its current name, China Recycling Energy Corporation. The Company, through its subsidiaries, provides energy saving solutions and services, including selling and leasing energy saving systems and equipment to customers, project investment, investment management, economic information consulting, technical services, financial leasing, purchase of financial leasing assets, disposal and repair of financial leasing assets, consulting and ensuring of financial leasing transactions in the Peoples Republic of China ("PRC").

Our business is primarily conducted through our wholly-owned subsidiaries, Shanghai Yinghua Financial Leasing Co., Ltd. ("Yinghua") and Sifang Holdings Co., Ltd. ("Sifeng"), Sifeng's wholly-owned subsidiaries, Huahong New Energy Technology Co., Ltd. ("Huahong") and Shanghai TCH Energy Technology Company, Ltd. ("Shanghai TCH"), Shanghai TCH's wholly-owned subsidiaries, Xi'an TCH Energy Technology Company, Ltd. ("Xi'an TCH"), Xi'an TCH's

wholly-owned subsidiary Erdos TCH Energy Saving Development Co., Ltd. (“Erdos TCH”) and Xi’an TCH’s 90% owned subsidiary Xi’an Zhonghong New Energy Technology Co., Ltd., and wholly owned subsidiary Zhongxun Energy Investment (Beijing) Co., Ltd (“Zhongxun”). Shanghai TCH was established as a foreign investment enterprise in Shanghai under the laws of the PRC on May 25, 2004, currently with registered capital of \$29.80 million. Xi’an TCH was incorporated in Xi’an, Shaanxi Province under the laws of the PRC on November 8, 2007. Erdos TCH was incorporated in April 2009. Huahong was incorporated in February 2009. Xi’an Zhonghong New Energy Technology Co., Ltd. was incorporated in July, 2013. Xi’an TCH paid RMB 27 million (\$4.37 million) and owns 90% of Zhonghong. Zhonghong is engaged to provide energy saving solutions and services, including constructing, selling and leasing energy saving systems and equipment to customers. Zhongxun was incorporated in March 2014, and is a wholly-owned subsidiary of Xi’an TCH.

On May 24, 2016, the Company filed a Certificate of Change with the Secretary of State of Nevada with an effective date of May 25, 2016 (the “Effective Date”), at which time the Company effected a 1-for-10 reverse stock split of the Company’s authorized shares of common stock, par value \$0.001 (the “Common Stock”), accompanied by a corresponding decrease in the Company’s issued and outstanding shares of Common Stock (the “Reverse Stock Split”). The Company rounded up to the next full share of the Company’s Common Stock any fractional shares resulting from the Reverse Stock Split.

Table of Contents

Our Projects

We design, finance, construct, operate and eventually transfer waste energy recycling projects to meet the energy saving and recovery needs of our customers. Our waste energy recycling projects use the pressure, heat or gas, which is generated as a byproduct of a variety of industrial processes to create electricity. The residual energy from industrial processes, which was traditionally wasted, may be captured in a recovery process and utilized by our waste energy recycling projects to generate electricity burning additional fuel and additional emissions. Among a wide variety of waste-to-energy technologies and solutions, we primarily focus on waste pressure to energy systems, waste heat to energy systems and waste gas power generation systems. We do not manufacture the equipment and materials that are used in the construction of our waste energy recycling projects. Rather, we incorporate standard power generating equipment into a fully integrated onsite project for our customers.

ErDOS TCH – Joint Venture

On April 14, 2009, the Company formed a joint venture (the “JV”) with ErDOS Metallurgy Co., Ltd. (“ErDOS”) to recycle waste heat from ErDOS’ metal refining plants to generate power and steam to be sold back to ErDOS. The name of the JV was Inner Mongolia ErDOS TCH Energy Saving Development Co., Ltd. (“ErDOS TCH”) with a term of 20 years. Total investment for the project was estimated at \$79 million (RMB 500 million) with an initial investment of \$17.55 million (RMB 120 million). ErDOS contributed 7% of the total investment of the project, and Xi’an TCH Energy Technology Co., Ltd. (“Xi’an TCH”) contributed 93%. According to the parties’ agreement on profit distribution, Xi’an TCH and ErDOS will receive 80% and 20%, respectively, of the profit from the JV until Xi’an TCH receives the complete return of its investment. Xi’an TCH and ErDOS will then receive 60% and 40%, respectively, of the profit from the JV. On June 15, 2013, Xi’an TCH and ErDOS entered into a share transfer agreement, pursuant to which ErDOS sold its 7% ownership interest in the JV to Xi’an TCH for \$1.29 million (RMB 8 million), plus certain accumulated profits as described below. Xi’an TCH paid the \$1.29 million in July 2013 and, as a result, became the sole stockholder of the JV. In addition, Xi’an TCH paid ErDOS accumulated profits from inception up to June 30, 2013 in accordance with a supplementary agreement entered on August 6, 2013. In August 2013, Xi’an TCH paid 20% of the accumulated profit (calculated under PRC GAAP) of \$226,000 to ErDOS. ErDOS TCH currently has two power generation systems in Phase I with a total of 18 MW power capacity, and three power generation systems in Phase II with a total of 27 MW power capacity. On April 28, 2016, ErDOS TCH and ErDOS entered into a supplemental agreement, effective May 1, 2016, whereby ErDOS TCH cancelled monthly minimum lease payments from ErDOS, and charges ErDOS based on actual electricity sold at RMB 0.30 / KWH. The selling price of each KWH will be determined annually based on prevailing market conditions.

Pucheng Biomass Power Generation Projects

On June 29, 2010, Xi'an TCH entered into a Biomass Power Generation ("BMPG") Project Lease Agreement with Pucheng XinHengYuan Biomass Power Generation Co., Ltd. ("Pucheng"), a limited liability company incorporated in China. Under this lease agreement, Xi'an TCH leased a set of 12 MW BMPG systems to Pucheng at a minimum of \$279,400 (RMB 1,900,000) per month for 15 years.

On September 11, 2013, Xi'an TCH entered into a BMPG Asset Transfer Agreement (the "Pucheng Transfer Agreement") with Pucheng. The Pucheng Transfer Agreement provided for the sale by Pucheng to Xi'an TCH of a set of 12 MW BMPG systems with completion of system transformation for RMB 100 million (\$16.48 million) in the form of 8,766,547 shares of common stock of the Company at \$1.87 per share. These shares were issued to Pucheng on October 29, 2013. Also on September 11, 2013, Xi'an TCH entered into a BMPG Project Lease Agreement with Pucheng (the "Pucheng Lease"). Under the Pucheng Lease, Xi'an TCH leases this same set of 12 MW BMPG system to Pucheng, and combined this lease with the lease for the 12 MW BMPG station of Pucheng Phase I project, under a single lease to Pucheng for RMB 3.8 million (\$0.63 million) per month (the "Pucheng Phase II Project"). The term for the combined lease is from September 2013 to June 2025. The lease agreement for the 12 MW station from Pucheng Phase I project terminated upon the effective date of the Pucheng Lease. The ownership of two 12 MW BMPG systems will transfer to Pucheng at no additional charge when the Pucheng Lease expires.

Table of Contents

Shenqiu Yuneng Biomass Power Generation Projects

On May 25, 2011, Xi'an TCH entered into a Letter of Intent with Shenqiu YuNeng Thermal Power Co., Ltd. ("Shenqiu") to reconstruct and transform a Thermal Power Generation System owned by Shenqiu into a 75T/H BMPG System for \$3.57 million (RMB 22.5 million). The project commenced in June 2011 and was completed in the third quarter of 2011. On September 28, 2011, Xi'an TCH entered into a BMPG Asset Transfer Agreement with Shenqiu (the "Shenqiu Transfer Agreement"). Pursuant to the Shenqiu Transfer Agreement, Shenqiu sold Xi'an TCH a set of 12 MW BMPG systems (after Xi'an TCH converted the system for BMPG purposes). As consideration for the BMPG systems, Xi'an TCH agreed to pay Shenqiu \$10,937,500 (RMB 70 million) in cash in three installments within six months upon the transfer of ownership of the systems. By the end of 2012, all the consideration was paid. On September 28, 2011, Xi'an TCH and Shenqiu also entered into a BMPG Project Lease Agreement (the "2011 Shenqiu Lease"). Under the 2011 Shenqiu Lease, Xi'an TCH agreed to lease a set of 12 MW BMPG systems to Shenqiu at a monthly rental rate of \$286,000 (RMB 1,800,000) for 11 years. Upon expiration of the 2011 Shenqiu Lease, ownership of this system will transfer from Xi'an TCH to Shenqiu at no additional cost. In connection with the 2011 Shenqiu Lease, Shenqiu paid one month's rent as a security deposit to Xi'an TCH, in addition to providing personal guarantees.

On October 8, 2012, Xi'an TCH entered into a Letter of Intent for technical reformation of Shenqiu Project Phase II with Shenqiu for technical reformation to enlarge the capacity of the Shenqiu Project Phase I (the "Shenqiu Phase II Project"). The technical reformation involved the construction of another 12 MW BMPG system. After the reformation, the generation capacity of the power plant increased to 24 MW. The project commenced on October 25, 2012 and was completed during the first quarter of 2013. The total cost of the project was \$11.1 million (RMB 68 million). On March 30, 2013, Xi'an TCH and Shenqiu entered into a BMPG Project Lease Agreement (the "2013 Shenqiu Lease"). Under the 2013 Shenqiu Lease, Xi'an TCH agreed to lease the second set of 12 MW BMPG systems to Shenqiu for \$239,000 (RMB 1.5 million) per month for 9.5 years. When the 2013 Shenqiu Lease expires, ownership of this system will transfer from Xi'an TCH to Shenqiu at no additional cost.

Yida Coke Oven Gas Power Generation Projects

On June 28, 2014, Xi'an TCH entered into an Asset Transfer Agreement (the "Transfer Agreement") with Qitaihe City Boli Yida Coal Selection Co., Ltd. ("Yida"), a limited liability company incorporated in China. The Transfer Agreement provided for the sale to Xi'an TCH of a 15 MW coke oven gas power generation station, which had been converted from a 15 MW coal gangue power generation station from Yida. As consideration for the Transfer Asset, Xi'an TCH was to pay to Yida RMB 115 million (\$18.69 million) in the form of the common stock shares of the Company at the average closing price per share of the Stock for the 10 trading days prior to the closing date of the transaction (\$2.27 per share). The exchange rate between the US Dollar and Chinese RMB in connection with the stock issuance is the rate equal to the middle rate published by the People's Bank of China on the closing date of the assets transfer. Accordingly, the Company issued 8,233,779 shares (the "Shares") for the Yida 15 MW coke oven gas power generation station, the fair value of 8,233,779 shares was \$14.49 million based on the stock price at the agreement date (\$1.76 per share), and was the cost of the power generation station.

On June 28, 2014, Xi'an TCH also entered into a Coke Oven Gas Power Generation Project Lease Agreement (the "Lease Agreement") with Yida. Under the Lease Agreement, Xi'an TCH leased the Transfer Asset to Yida for RMB 3 million (\$0.49 million) per month, and the term of the lease is from June 28, 2014 to June 27, 2029. Yida provided an RMB 3 million (\$0.49 million) security deposit (without interest) for the lease. Xi'an TCH will transfer the Transfer Asset back to Yida at no cost at the end of the lease term.

On June 22, 2016, Xi'an TCH entered into a Coal Oven Gas Power Generation Project Repurchase Agreement (the "Repurchase Agreement") with Yida. Under the Repurchase Agreement, Xi'an TCH agreed to transfer to Yida all the project assets for RMB 112,000,000 (\$16.89 million) (the "Transfer Price") with Yida's retention of ownership of the Shares. Yida agreed to make the following payments: (i) the outstanding monthly leasing fees for April and May 2016 in total of RMB 6,000,000 (\$0.90 million) to Xi'an TCH within 5 business days from the execution of the Repurchase Agreement; (ii) a payment of RMB 50,000,000 (\$7.54 million) of the Transfer Price to Xi'an TCH within 5 business days from the execution of the Repurchase Agreement; and (iii) a payment of the remaining RMB 62,000,000 (\$9.35 million) of the Transfer Price to Xi'an TCH within 15 business days from the execution of the Repurchase Agreement. Under the Repurchase Agreement, ownership of the project assets will transfer from Xi'an TCH to Yida within 3 business days after Xi'an TCH receives the full Transfer Price and the outstanding monthly leasing fees. In July 2016, the Company received the full payment of the Transfer Price and title to the system was transferred at that time. The Company recorded a \$0.42 million loss from this transaction in 2016.

Table of Contents

The Fund Management Company

On June 25, 2013, Xi'an TCH and HongyuanHuifu Venture Capital Co. Ltd. ("HongyuanHuifu") jointly established Hongyuan Recycling Energy Investment Management Beijing Co., Ltd. (the "Fund Management Company") with registered capital of RMB 10 million (\$1.45 million). Xi'an TCH made an initial capital contribution of RMB 4 million (\$650,000) and has a 40% ownership interest in the Fund Management Company. With respect to the Fund Management Company, voting rights and dividend rights are allocated 80% and 20% between HongyuanHuifu and Xi'an TCH, respectively.

The Fund Management Company is the general partner of Beijing Hongyuan Recycling Energy Investment Center, LLP (the "HYREF Fund"), a limited liability partnership established on July 18, 2013 in Beijing. The Fund Management Company made an initial capital contribution of RMB 5 million (\$830,000) to the HYREF Fund. An initial total of RMB 460 million (\$77 million) was fully subscribed by all partners for the HYREF Fund. The HYREF Fund has three limited partners: (1) China Orient Asset Management Co., Ltd., which made an initial capital contribution of RMB 280 million (\$46.67 million) to the HYREF Fund and is a preferred limited partner; (2) HongyuanHuifu, which made an initial capital contribution of RMB 100 million (\$16.67 million) to the HYREF Fund and is an ordinary limited partner; and (3) the Company's wholly-owned subsidiary, Xi'an TCH, which made an initial capital contribution of RMB 75 million (\$12.5 million) to the HYREF Fund and is a secondary limited partner. The term of the HYREF Fund's partnership is six years from the date of its establishment, expiring July 18, 2019. The term is four years from the date of contribution for the preferred limited partner, and four years from the date of contribution for the ordinary limited partner. The total size of the HYREF Fund is RMB 460 million (\$76.66 million). The HYREF Fund was formed for the purpose of investing in Xi'an Zhonghong New Energy Technology Co., Ltd., a 90% owned subsidiary of Xi'an TCH, for the construction of two coke dry quenching ("CDQ") WHPG stations with Jiangsu Tianyu Energy and Chemical Group Co., Ltd. ("Tianyu") and one CDQ WHPG station with Boxing County Chengli Gas Supply Co., Ltd. ("Chengli").

Chengli Waste Heat Power Generation Projects

On July 19, 2013, Xi'an TCH formed a new company, "Xi'an Zhonghong New Energy Technology Co., Ltd." ("Zhonghong"), with registered capital of RMB 30 million (\$4.85 million). Xi'an TCH paid RMB 27 million (\$4.37 million) and owns 90% of Zhonghong. Zhonghong is engaged to provide energy saving solution and services, including constructing, selling and leasing energy saving systems and equipment to customers. waste heat power generation

On July 24, 2013, Zhonghong entered into a Cooperative Agreement of Coke Dry Quenching ("CDQ") and CDQ WHPG (Waste Heat Power Generation) Project with Boxing County Chengli Gas Supply Co., Ltd. ("Chengli"). The parties entered into a supplement agreement on July 26, 2013. Pursuant to these agreements, Zhonghong will design,

build and maintain a 25 MW CDQ system and a CDQ WHPG system to supply power to Chengli, and Chengli will pay energy saving fees (the “Chengli Project”). Chengli will contract the operation of the system to a third-party contractor that is mutually agreed to by Zhonghong. In addition, Chengli will provide the land for the CDQ system and CDQ WHPG system at no cost to Zhonghong. The term of the Agreements is for 20 years. The first 800 million watt hours generated by the Chengli Project will be charged at RMB 0.42 (\$0.068) per kilowatt hour (excluding tax); thereafter, the energy saving fee will be RMB 0.20 (\$0.036) per kilowatt hour (excluding tax). The operating time shall be based upon an average 8,000 hours annually. If the operating time is less than 8,000 hours per year due to a reason attributable to Chengli, then time charged shall be 8,000 hours a year, and if it is less than 8,000 hours due to a reason attributable to Zhonghong, then it shall be charged at actual operating hours. The construction of the Chengli Project was completed in the second quarter of 2015 and the project successfully completed commissioning tests in the first quarter of 2017. The Chengli Project is now functional, but will not begin operations until the Company receives the required power generating license, which the Company anticipates receiving in the fourth quarter of 2017. When operations begin, Chengli shall ensure its coking production line works properly and that working hours for the CDQ system are at least 8,000 hours per year, and Zhonghong shall ensure that working hours for the CDQ WHPG system are at least 7,200 hours per year.

Table of Contents

On July 22, 2013, Zhonghong entered into an Engineering, Procurement and Construction (“EPC”) General Contractor Agreement for the Boxing County Chengli Gas Supply Co., Ltd. CDQ Power Generation Project (the “Chengli Project”) with Xi’an Huaxin New Energy Co., Ltd. (“Huaxin”). Zhonghong, as the owner of the Chengli Project, contracted EPC services for a CDQ system and a 25 MW CDQ WHPG system for Chengli from Huaxin. Huaxin shall provide construction, equipment procurement, transportation, installation and adjustment, test run, construction engineering management and other necessary services to complete the Huaxin Project and ensure the CDQ system and CDQ WHPG system for Chengli meet the inspection and acceptance requirements and work normally. The Chengli Project is a turn-key project where Huaxin is responsible for monitoring the quality, safety, duration and cost of the Chengli Project. The total contract price is RMB 200 million (\$33.34 million), which includes all the materials, equipment, labor, transportation, electricity, water, waste disposal, machinery and safety costs.

Tianyu Waste Heat Power Generation Project

On July 19, 2013, Zhonghong entered into a Cooperative Agreement (the “Tianyu Agreement”) for Energy Management of CDQ and CDQ WHPG Project with Jiangsu Tianyu Energy and Chemical Group Co., Ltd. (“Tianyu”). Pursuant to the Tianyu Agreement, Zhonghong will design, build, operate and maintain two sets of 25 MW CDQ systems and CDQ WHPG systems for two subsidiaries of Tianyu – Xuzhou Tian’an Chemical Co., Ltd. (“Xuzhou Tian’an”) and Xuzhou Huayu Coking Co., Ltd. (“Xuzhou Huayu”) – to be located at Xuzhou Tian’an and Xuzhou Huayu’s respective locations (the “Tianyu Project”). Upon completion of the Tianyu Project, Zhonghong will charge Tianyu an energy saving fee of RMB 0.534 (\$0.087) per kilowatt hour (excluding tax). The operating time will be based upon an average 8,000 hours annually for each of Xuzhou Tian’an and Xuzhou Huayu. If the operating time is less than 8,000 hours per year due to a reason attributable to Tianyu, then time charged will be 8,000 hours a year. The term of the Tianyu Agreement is 20 years. The construction of the Xuzhou Tian’an Project is anticipated to be completed by the second quarter of 2018. Xuzhou Tian’an will provide the land for the CDQ and CDQ WHPG systems for free. Xuzhou Tian’an also guarantees that it will purchase all the power generated by the CDQ WHPG systems. The Xuzhou Huayu Project is currently on hold due to a conflict between Xuzhou Huayu Coking Co., Ltd. and local residents on certain pollution-related issues. The local government has acted in its capacity to coordinate the resolution of this issue. The local residents were requested to move from the hygienic buffer zone of the project location with compensatory payments from the government. Xuzhou Huayu was required to stop production and implement technical innovations to mitigate pollution discharge including sewage treatment, dust collection, noise control, and recycling of coal gas. Currently, some local residents have moved. Xuzhou Huayu has completed the implementation of the technical innovations of sewage treatment, dust collection, and noise control, and the Company is waiting for local governmental agencies to approve these technical innovations so that we can resume construction. We expect to complete the recycling of coal gas in the second quarter of 2018. Once Huayu obtains the government’s acceptance and approval of the technical innovations, the project will resume.

On July 22, 2013, Zhonghong entered into an EPC General Contractor Agreement for the Tianyu Project with Xi’an Huaxin New Energy Co., Ltd. (“Huaxin”). Zhonghong, as the owner of the Tianyu Project, contracted EPC services for two CDQ systems and two 25 MW CDQ WHPG systems for Tianyu to Huaxin. Huaxin shall provide construction, equipment procurement, transportation, installation and adjustment, test run, construction engineering management and other necessary services to complete the Tianyu Project and ensure the CDQ and CDQ WHPG systems for Tianyu

meet the inspection and acceptance requirements and work normally. The Tianyu Project is a turn-key project where Huaxin is responsible for monitoring the quality, safety, duration and cost of the project. The total contract price is RMB 400 million (\$66.68 million), which includes all the materials, equipment, labor, transportation, electricity, water, waste disposal, machinery and safety costs.

Zhongtai Waste Heat Power Generation Energy Management Cooperative Agreement

On December 6, 2013, Xi'an entered into a CDQ and WHPG Energy Management Cooperative Agreement (the "Zhongtai Agreement") with Xuzhou Zhongtai Energy Technology Co., Ltd. ("Zhongtai"), a limited liability company incorporated in Jiangsu Province, China.

Pursuant to the Zhongtai Agreement, Xi'an TCH will design, build and maintain a 150 ton per hour CDQ system and a 25 MW CDQ WHPG system and sell the power to Zhongtai, and Xi'an TCH will also build a furnace to generate steam from the waste heat of the smoke pipeline and sell the steam to Zhongtai.

Table of Contents

The construction period of the Project is expected to be 18 months from the date when conditions are ready for construction to begin. Zhongtai will start to pay an energy saving service fee from the date when the WHPG station passes the required 72-hour test run. The payment term is 20 years. For the first 10 years, Zhongtai shall pay an energy saving fee at RMB 0.534 (\$0.089) per kilowatt hour (KWH) (including value added tax) for the power generated from the system. For the second 10 years, Zhongtai shall pay an energy saving fee at RMB 0.402 (\$0.067) per KWH (including value added tax). During the term of the contract the energy saving fee shall be adjusted at the same percentage as the change of local grid electricity price. Zhongtai shall also pay an energy saving fee for the steam supplied by Xi'an TCH at RMB 100 (\$16.67) per ton (including value added tax). Zhongtai and its parent company will provide guarantees to ensure Zhongtai will fulfill its obligations under the Agreement. Upon the completion of the term, Xi'an TCH will transfer the systems to Zhongtai at RMB 1 (\$0.16). Zhongtai shall provide waste heat to the systems for no less than 8,000 hours per year and waste gas volume no less than 150,000 Normal Meter Cubed (Nm³) per hour with a temperature no less than 950°C. If these requirements are not met, the term of the Agreement will be extended accordingly. If Zhongtai wants to terminate the Zhongtai Agreement early, it shall provide Xi'an TCH a 60 day notice and pay the termination fee and compensation for the damages to Xi'an TCH according to the following formula: (1) if it is less than five years into the term when Zhongtai requests termination, Zhongtai shall pay: Xi'an TCH's total investment amount plus Xi'an TCH's annual investment return times five years minus the years in which the system has already operated; or 2) if it is more than five years into the term when Zhongtai requests the termination, Zhongtai shall pay: Xi'an TCH's total investment amount minus total amortization cost (the amortization period is 10 years).

In March 2016, Xi'an TCH entered into a Transfer Agreement of CDQ and a CDQ WHPG system with Zhongtai and Xi'an Huaxin (the "Transfer Agreement"). Under the Transfer Agreement, Xi'an TCH agreed to transfer to Zhongtai all of the assets associated with the CDQ Waste Heat Power Generation Project (the "Project"), which is under construction pursuant to the Zhongtai Agreement. Additionally, Xi'an TCH agreed to transfer to Zhongtai the Engineering, Procurement and Construction ("EPC") Contract for the CDQ Waste Heat Power Generation Project which Xi'an TCH had entered into with Xi'an Huaxin in connection with the Project. Xi'an Huaxin will continue to construct and complete the Project and Xi'an TCH agreed to transfer all its rights and obligation under the EPC Contract to Zhongtai. As consideration for the transfer of the Project, Zhongtai agreed to pay to Xi'an TCH an aggregate transfer price of RMB 167,360,000 (\$25.77 million) including payments of: (i) RMB 152,360,000 (\$23.46 million) for the construction of the Project; and (ii) RMB 15,000,000 (\$2.31 million) as payment for partial loan interest accrued during the construction period. Those amounts have been, or will be, paid by Zhongtai to Xi'an TCH according to the following schedule: (a) RMB 50,000,000 (\$7.70 million) was paid within 20 business days after the Transfer Agreement was signed; (b) RMB 30,000,000 (\$4.32 million) was paid within 20 business days after the Project is completed, but no later than July 30, 2016; and (c) RMB 87,360,000 (\$13.45 million) will be paid no later than July 30, 2017. Xuzhou Taifa Special Steel Technology Co., Ltd. ("Xuzhou Taifa") guaranteed the payments from Zhongtai to Xi'an TCH. The ownership of the Project was conditionally transferred to Zhongtai following the initial payment of RMB 50,000,000 (\$7.70 million) by Zhongtai to Xi'an TCH and the full ownership of the Project will be officially transferred to Zhongtai after it completes all payments pursuant to the Transfer Agreement. As of September 30, 2017, Xi'an TCH had received the first payment of \$7.70 million and the second payment of \$4.32 million. The Company recorded a \$2.82 million loss from this transaction in 2016. As of the date of this prospectus, the Company has not yet received the remaining payment of RMB 87,360,000 (\$13.45 million). The Company expects to collect part of the remaining balance during the fourth quarter of 2017.

Rongfeng CDQ Power Generation Energy Management Cooperative Agreement

On December 12, 2013, Xi'an TCH entered into a CDQ Power Generation Energy Management Cooperative Agreement with Tangshan Rongfeng Iron & Steel Co., Ltd. (the "Rongfeng Agreement"), a limited liability company incorporated in Hebei Province, China.

Pursuant to the Rongfeng Agreement, Xi'an TCH will design, build and maintain a CDQ and a CDQ WHPG system and sell the power to Rongfeng. The construction period of the Project is expected to be 18 months after the Agreement takes effect and from the date when conditions are ready for construction to begin.

Table of Contents

Rongfeng will pay an energy saving fee from the date when the WHPG station passes the required 72-hour test run. The payment term is 20 years. For the first 10 years, Rongfeng shall pay an energy saving fee at RMB 0.582 (\$0.095) per KWH (including tax) for the power generated from the system. For the second 10 years, Rongfeng shall pay an energy saving fee at RMB 0.432 (\$0.071) per KWH (including tax). During the term of the contract the energy saving fee shall be adjusted at the same percentage as the change of local grid electricity price. Rongfeng and its parent company will provide guarantees to ensure Rongfeng will fulfill its obligations under the Rongfeng Agreement. Upon the completion of the term, Xi'an TCH will transfer the systems to Rongfeng at RMB 1. Rongfeng shall provide waste heat to the systems for no less than 8,000 hours per year with a temperature no less than 950°C. If these requirements are not met, the term of the Agreement will be extended accordingly. If Rongfeng wants to terminate the Agreement early, it shall provide Xi'an TCH a 60 day notice and pay the termination fee and compensation for the damages to Xi'an TCH according to the following formula: 1) if it is less than five years (including five years) into the term when Rongfeng requests termination, Rongfeng shall pay: Xi'an TCH's total investment amount plus Xi'an TCH's average annual investment return times (five years minus the years of which the system has already operated); 2) if it is more than five years into the term when Rongfeng requests the termination, Rongfeng shall pay: Xi'an TCH's total investment amount minus total amortization cost (the amortization period is 10 years). On November 16, 2015, Xi'an TCH entered into a Transfer Agreement of CDQ and a CDQ WHPG system with Rongfeng and Xi'an Huaxin New Energy Co., Ltd., a limited liability company incorporated in China ("Xi'an Huaxin"). The Transfer Agreement provided for the sale to Rongfeng of the CDQ Waste Heat Power Generation Project (the "Project") from Xi'an TCH. Additionally, Xi'an TCH would transfer to Rongfeng the Engineering, Procurement and Construction ("EPC") Contract for the CDQ Waste Heat Power Generation Project which Xi'an TCH had entered into with Xi'an Huaxin in connection with the Project. As consideration for the transfer of the Project, Rongfeng is to pay to Xi'an TCH an aggregate purchase price of RMB 165,200,000 (\$25.45 million), whereby (a) RMB 65,200,000 (\$10.05 million) was to be paid by Rongfeng to Xi'an TCH within 20 business days after signing the Transfer Agreement, (b) RMB 50,000,000 (\$7.70 million) was paid by Rongfeng to Xi'an TCH within 20 business days after the Project is completed, but no later than March 31, 2016 and (c) RMB 50,000,000 (\$7.70 million) was to be paid by Rongfeng to Xi'an TCH no later than September 30, 2016. Mr. Cheng Li, the largest stockholder of Rongfeng, has personally guaranteed the payments. The ownership of the Project was conditionally transferred to Rongfeng within 3 business days following the initial payment of RMB 65,200,000 (\$10.05 million) by Rongfeng to Xi'an TCH and the full ownership of the Project will be officially transferred to Rongfeng after it completes the entire payment pursuant to the Transfer Agreement. The Company recorded a \$3.78 million loss from this transaction in 2015. As of December 31, 2016, the Company had received full payment of \$25.45 million.

Formation of Zhongxun

On March 24, 2014, Xi'an TCH incorporated a new subsidiary, Zhongxun Energy Investment (Beijing) Co., Ltd ("Zhongxun") with registered capital of \$5,695,502 (RMB 35,000,000), which must be contributed before October 1, 2028. Zhongxun is 100% owned by Xi'an TCH and will be mainly engaged in project investment, investment management, economic information consulting, and technical services. Zhongxun has not yet commenced operations as of the date of this prospectus.

Formation of Yinghua

On February 11, 2015, the Company incorporated a new subsidiary, Shanghai Yinghua Financial Leasing Co., Ltd (“Yinghua”) with registered capital of \$30,000,000, to be paid within 10 years from the date the business license is issued. Yinghua is 100% owned by the Company and will be mainly engaged in financial leasing, purchase of financial leasing assets, disposal and repair of financial leasing assets, consulting and ensuring of financial leasing transactions, and related factoring business. Yinghua has not yet commenced operations as of the date of this prospectus.

Summary of Sales-Type Lease at September 30, 2017

As of September 30, 2017, Xi’an TCH leases the following systems: (i) BMPG systems to Pucheng Phase I and II (15 and 11 year terms, respectively); (ii) BMPG systems to Shenqiu Phase I (11-year term); and (iii) Shenqiu Phase II (9.5-year term). In addition, as of September 30, 2017, Erdos TCH leased power and steam generating systems for recycling waste heat from metal refining to Erdos (five systems) for a term of 20 years.

Table of Contents*Asset Repurchase Agreement*

During the nine months ended September 30, 2017 and the year ended December 31, 2016, the Company entered into the following Asset Repurchase Agreements:

In March 2016, Xi'an TCH entered into a Transfer Agreement of CDQ and a CDQ WHPG system with Zhongtai and Xi'an Huaxin (the "Transfer Agreement"). Under the Transfer Agreement, Xi'an TCH agreed to transfer to Zhongtai all of the assets associated with the CDQ Waste Heat Power Generation Project (the "Project"), which is under construction pursuant to the Zhongtai Agreement. Additionally, Xi'an TCH agreed to transfer to Zhongtai the Engineering, Procurement and Construction ("EPC") Contract for the CDQ Waste Heat Power Generation Project which Xi'an TCH had entered into with Xi'an Huaxin in connection with the Project. Xi'an Huaxin will continue to construct and complete the Project and Xi'an TCH agreed to transfer all its rights and obligation under the "EPC" Contract to Zhongtai. As consideration for the transfer of the Project, Zhongtai agreed to pay to Xi'an TCH an aggregate transfer price of RMB 167,360,000 (\$25.77 million) including payments of: (i) RMB 152,360,000 (\$23.46 million) for the construction of the Project; and (ii) RMB 15,000,000 (\$2.31 million) as payment for partial loan interest accrued during the construction period. Those amounts have been, or will be, paid by Zhongtai to Xi'an TCH according to the following schedule: (a) RMB 50,000,000 (\$7.70 million) was paid within 20 business days after the Transfer Agreement was signed; (b) RMB 30,000,000 (\$4.32 million) was paid within 20 business days after the Project is completed, but no later than July 30, 2016; and (c) RMB 87,360,000 (\$13.45 million) will be paid no later than July 30, 2017. Xuzhou Taifa Special Steel Technology Co., Ltd. ("Xuzhou Taifa") has guaranteed the payments from Zhongtai to Xi'an TCH. The ownership of the Project was conditionally transferred to Zhongtai following the initial payment of RMB 50,000,000 (\$7.70 million) by Zhongtai to Xi'an TCH and the full ownership of the Project will be officially transferred to Zhongtai after it completes all payments pursuant to the Transfer Agreement. As of September 30, 2017, Xi'an TCH had received the first payment of \$7.70 million and the second payment of \$4.32 million. The Company recorded a \$2.82 million loss from this transaction in 2016. As of this report date, the Company has not yet received the remaining payment of RMB 87,360,000 (\$13.45 million) due to the tight cash flow of Zhongtai, the Company expects to collect part of the remaining balance during the fourth quarter of 2017.

On June 22, 2016, Xi'an TCH entered into a Coal Oven Gas Power Generation Project Repurchase Agreement (the "Repurchase Agreement") with Yida. Under the Repurchase Agreement, Xi'an TCH agreed to transfer to Yida all the project assets for RMB 112,000,000 (\$16.89 million) (the "Transfer Price") with Yida's retention of ownership of the Shares. Yida agreed to make the following payments: (i) the outstanding monthly leasing fees for April and May 2016 in total of RMB 6,000,000 (\$0.90 million) to Xi'an TCH within 5 business days from the execution of the Repurchase Agreement; (ii) a payment of RMB 50,000,000 (\$7.54 million) of the Transfer Price to Xi'an TCH within 5 business days from the execution of the Repurchase Agreement; and (iii) a payment of the remaining RMB 62,000,000 (\$9.35 million) of the Transfer Price to Xi'an TCH within 15 business days from the execution of the Repurchase Agreement. Under the Repurchase Agreement, ownership of the project assets will be transferred from Xi'an TCH to Yida within 3 business days after Xi'an TCH receives the full Transfer Price and the outstanding monthly leasing fees. In July 2016, the Company had received the full payment of the Transfer Price and title to the system was transferred at that time. The Company recorded a \$0.42 million loss from this transaction in 2016.

Corporate Information

We are headquartered in China. Our principal executive offices are located at 12/F, Tower A, Chang An International Building, No. 88 Nan Guan Zheng Jie, Xi'an City, Shaanxi Province, China, and our telephone number at this location is +86-29-8765-1098. Our website address is www.creg-cn.com. Information contained on our website is not incorporated by reference into this prospectus and you should not consider information on our website to be part of this prospectus.

Table of Contents

RISK FACTORS

An investment in our securities involves a high degree of risk. Before making any investment decision, you should carefully consider the risk factors set forth below, under the caption “Risk Factors” in any applicable prospectus supplement and under the caption “Risk Factors” in our most recent annual report on Form 10-K and our subsequent quarterly reports on Form 10-Q, which are incorporated by reference in this prospectus, as well as in any applicable prospectus supplement, as updated by our subsequent filings under the Securities Exchange Act of 1934, as amended (the “Exchange Act”).

These risks could materially affect our business, results of operation or financial condition and affect the value of our securities. Additional risks and uncertainties that are not yet identified may also materially harm our business, operating results and financial condition and could result in a complete loss of your investment. You could lose all or part of your investment. For more information, see “Where You Can Find More Information.”

Risks Related to Our Securities and the Offering

Future sales or other dilution of our equity could depress the market price of our Common Stock.

Sales of our Common Stock, preferred stock, warrants, units or any combination of the foregoing in the public market, or the perception that such sales could occur, could negatively impact the price of our Common Stock. If one or more of our shareholders were to sell large portions of their holdings in a relatively short time, for liquidity or other reasons, the prevailing market price of our Common Stock could be negatively affected.

In addition, the issuance of additional shares of our Common Stock, securities convertible into or exercisable for our Common Stock, other equity-linked securities, including preferred stock or warrants or any combination of the securities pursuant to this prospectus will dilute the ownership interest of our common shareholders and could depress the market price of our Common Stock and impair our ability to raise capital through the sale of additional equity securities.

We may need to seek additional capital. If this additional financing is obtained through the issuance of equity securities or warrants to acquire equity securities, our existing shareholders could experience significant dilution upon the issuance, conversion or exercise of such securities.

Our management will have broad discretion over the use of the proceeds we receive from the sale of our securities pursuant to this prospectus and might not apply the proceeds in ways that increase the value of your investment.

Our management will have broad discretion to use the net proceeds from any offerings under this prospectus, and you will be relying on the judgment of our management regarding the application of these proceeds. Except as described in any prospectus supplement or in any related free writing prospectus that we may authorize to be provided to you, the net proceeds received by us from our sale of the securities described in this prospectus will be added to our general funds and will be used for general corporate purposes. Our management might not apply the net proceeds from offerings of our securities in ways that increase the value of your investment and might not be able to yield a significant return, if any, on any investment of such net proceeds. You may not have the opportunity to influence our decisions on how to use such proceeds.

Table of Contents

FORWARD-LOOKING STATEMENTS

Some of the statements contained or incorporated by reference in this prospectus may be “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the Exchange Act and may involve material risks, assumptions and uncertainties. Forward-looking statements typically are identified by the use of terms such as “may,” “will,” “should,” “believe,” “might,” “expect,” “anticipate,” “intend,” “estimate” and similar words, although some forward-looking statements are expressed differently.

Although we believe that the expectations reflected in such forward-looking statements are reasonable, these statements are not guarantees of future performance and involve certain risks and uncertainties that are difficult to predict and which may cause actual outcomes and results to differ materially from what is expressed or forecasted in such forward-looking statements. These forward-looking statements speak only as of the date on which they are made and except as required by law, we undertake no obligation to publicly release the results of any revision or update of these forward-looking statements, whether as a result of new information, future events or otherwise. If we do update or correct one or more forward-looking statements, you should not conclude that we will make additional updates or corrections with respect thereto or with respect to other forward-looking statements. A detailed discussion of risks and uncertainties that could cause actual results and events to differ materially from our forward-looking statements is included in our periodic reports filed with the SEC and in the “Risk Factors” section of this prospectus.

USE OF PROCEEDS

Except as may be stated in the applicable prospectus supplement, we intend to use the net proceeds we receive from the sale of the securities offered by this prospectus for general corporate purposes, which may include, among other things, repayment of debt, repurchases of common stock, capital expenditures, the financing of possible acquisitions or business expansions, increasing our working capital and the financing of ongoing operating expenses and overhead.

DESCRIPTION OF CAPITAL STOCK

The following is a summary of our capital stock and certain provisions of our certificate of incorporation and bylaws. This summary does not purport to be complete and is qualified in its entirety by the provisions of our Articles of Incorporation, as amended, our Fourth Amended and Restated Bylaws (“Bylaws”), and applicable provisions of the Nevada Revised Statutes (the “NRS”).

See “Where You Can Find More Information” elsewhere in this prospectus for information on where you can obtain copies of our Certificate of Incorporation and Amended and Restated Bylaws, which have been filed with and are publicly available from the SEC.

Our authorized capital stock consists of 20,000,000 shares of Common Stock, par value \$0.001 per share. Currently, we have no other authorized class of stock.

DESCRIPTION OF COMMON STOCK

As of November 30, 2017, there were 8,310,198 shares of our Common Stock outstanding, held by approximately 2,720 stockholders of record. There are no warrants to purchase shares of our Common Stock outstanding as of the date of this prospectus

Our Common Stock is currently traded on the NASDAQ Capital Market under the symbol “CREG.”

The holders of our Common Stock are entitled to one vote per share. Our Articles of Incorporation do not provide for cumulative voting. The holders of our Common Stock are entitled to receive ratably such dividends, if any, as may be declared by our board of directors out of legally available funds; however, the current policy of our board of directors is to retain earnings, if any, for operations and growth. Upon liquidation, dissolution or winding-up, the holders of our Common Stock are entitled to share ratably in all assets that are legally available for distribution. The holders of our Common Stock have no preemptive, subscription, redemption or conversion rights.

Table of Contents

All issued and outstanding shares of Common Stock are fully paid and nonassessable. Shares of our Common Stock that may be offered for resale, from time to time, under this prospectus will be fully paid and nonassessable.

Anti-Takeover Effects of Certain Provisions of Nevada Law

As a Nevada corporation, we are also subject to certain provisions of the Nevada Revised Statutes (the “NRS”) that have anti-takeover effects and may inhibit a non-negotiated merger or other business combination. These provisions are intended to encourage any person interested in acquiring us to negotiate with, and to obtain the approval of, our board of directors in connection with such a transaction. However, certain of these provisions may discourage a future acquisition of us, including an acquisition in which the stockholders might otherwise receive a premium for their shares. As a result, stockholders who might desire to participate in such a transaction may not have the opportunity to do so.

The NRS provides that specified persons who, with or through their affiliates or associates, own, or affiliates and associates of the subject corporation at any time within two years own or did own, 10% or more of the outstanding voting stock of a corporation cannot engage in specified business combinations with the corporation for a period of two years after the date on which the person became an interested stockholder, unless the combination meets all of the requirements of the articles of incorporation of the company, and: (i) the combination or transaction by which such person first became an interested stockholder was approved by the board of directors before they first became an interested stockholder; or (ii) such combination is approved by: (x) the board of directors; and (y) at an annual or special meeting of the stockholders (not by written consent), the affirmative vote of stockholders representing at least 60% of the outstanding voting power not beneficially owned by such interested stockholder. The law defines the term “business combination” to encompass a wide variety of transactions with or caused by an interested stockholder, including mergers, asset sales and other transactions in which the interested stockholder receives or could receive a benefit on other than a pro rata basis with other stockholders.

The Control Share Acquisition Statute generally applies only to Nevada corporations with at least 200 stockholders of record, including at least 100 stockholders of record who are Nevada residents, and which conduct business directly or indirectly in Nevada. This statute generally provides that any person that acquires a “controlling interest” acquires voting rights in the control shares, as defined, only as conferred by the disinterested stockholders of the corporation at a special or annual meeting. A person acquires a “controlling interest” whenever a person acquires shares of a subject corporation that, but for the application of these provisions of the NRS, would enable that person to exercise (1) one-fifth or more, but less than one-third, (2) one-third or more, but less than a majority or (3) a majority or more, of all of the voting power of the corporation in the election of directors. Once an acquirer crosses one of these thresholds, shares which it acquired in the transaction taking it over the threshold and within the 90 days immediately preceding the date when the acquiring person acquired or offered to acquire a controlling interest become “control shares.” In the event control shares are accorded full voting rights and the acquiring person has acquired at least a majority of all of the voting power, any stockholder of record who has not voted in favor of authorizing voting rights for the control shares is entitled to demand payment for the fair value of its shares.

These laws may have a chilling effect on certain transactions if our Articles of Incorporation or Bylaws are not amended to provide that these provisions do not apply to us or to an acquisition of a controlling interest, or if our disinterested stockholders do not confer voting rights in the control shares.

Table of Contents

DESCRIPTION OF PREFERRED STOCK

As of November 30, 2017, no shares of preferred stock had been issued or were outstanding and we are not authorized to issue any shares of preferred stock; however, it is possible that we could amend our Articles of Incorporation to authorize the issuance of shares of preferred stock.

We will file as an exhibit to the Registration Statement of which this prospectus is a part, or will incorporate by reference from reports that we file with the SEC, the form of any certificate of designation or amendment to our Articles of Incorporation that describes the terms of any series of preferred stock we are offering before the issuance of that series of preferred stock. This description will include, but not be limited to, the following: (i) the title and stated value; (ii) the number of shares we are offering; (iii) the liquidation preference per share; (iv) the purchase price; (v) the dividend rate, period and payment date and method of calculation for dividends; (vi) whether dividends will be cumulative or non-cumulative and, if cumulative, the date from which dividends will accumulate; (vii) the provisions for a sinking fund, if any; (viii) the provisions for redemption or repurchase, if applicable, and any restrictions on our ability to exercise those redemption and repurchase rights; (ix) whether the preferred stock will be convertible into our Common Stock, and, if applicable, the conversion price, or how it will be calculated, and the conversion period; (x) whether the preferred stock will be exchangeable into debt securities, and, if applicable, the exchange price, or how it will be calculated, and the exchange period; (xi) voting rights, if any, of the preferred stock; (xii) preemptive rights, if any; (xiii) restrictions on transfer, sale or other assignment, if any; (xiv) a discussion of any material United States federal income tax considerations applicable to the preferred stock; (xv) the relative ranking and preferences of the preferred stock as to dividend rights and rights if we liquidate, dissolve or wind up our affairs; (xvi) any limitations on the issuance of any class or series of preferred stock ranking senior to or on a parity with the series of preferred stock as to dividend rights and rights if we liquidate, dissolve or wind up our affairs and (xvii) any other specific terms, preferences, rights or limitations of, or restrictions on, the preferred stock.

DESCRIPTION OF WARRANTS

We may issue warrants for the purchase of Common Stock and/or preferred stock in one or more series. We may issue warrants independently or together with Common Stock and/or preferred stock and the warrants may be attached to or separate from these securities. While the terms summarized below will apply generally to any warrants that we may offer, we will describe the particular terms of any series of warrants in more detail in the applicable prospectus supplement. The terms of any warrants offered under a prospectus supplement may differ from the terms described below.

We will file as exhibits to the Registration Statement of which this prospectus is a part, or will incorporate by reference from reports that we file with the SEC, the form of warrant agreement, including a form of warrant certificate, that describes the terms of the particular series of warrants we are offering before the issuance of the

related series of warrants. The following summaries of material provisions of the warrants and the warrant agreements are subject to, and qualified in their entirety by reference to, all the provisions of the warrant agreement and warrant certificate applicable to the particular series of warrants that we may offer under this prospectus. We urge you to read the applicable prospectus supplements related to the particular series of warrants that we may offer under this prospectus, as well as any related free writing prospectuses, and the complete warrant agreements and warrant certificates that contain the terms of the warrants.

General

We will describe in the applicable prospectus supplement the terms of the series of warrants being offered, including:

the offering price and aggregate number of warrants offered;

the currency for which the warrants may be purchased;

if applicable, the designation and terms of the securities with which the warrants are issued and the number of warrants issued with each such security or each principal amount of such security;

if applicable, the date on and after which the warrants and the related securities will be separately transferable;

in the case of warrants to purchase Common Stock or preferred stock, the number of shares of Common Stock or preferred stock, as the case may be, purchasable upon the exercise of one warrant and the price at which these shares may be purchased upon such exercise;

Table of Contents

the effect of any merger, consolidation, sale or other disposition of our business on the warrant agreements and the warrants;

the terms of any rights to redeem or call the warrants;

any provisions for changes to or adjustments in the exercise price or number of securities issuable upon exercise of the warrants;

the dates on which the right to exercise the warrants will commence and expire;

the manner in which the warrant agreements and warrants may be modified;

a discussion of any material or special United States federal income tax consequences of holding or exercising the warrants;

the terms of the securities issuable upon exercise of the warrants; and

any other specific terms, preferences, rights or limitations of or restrictions on the warrants.

Before exercising their warrants, holders of warrants will not have any of the rights of holders of the securities purchasable upon such exercise, including in the case of warrants to purchase Common Stock or preferred stock, the right to receive dividends, if any, or payments upon our liquidation, dissolution or winding up or to exercise voting rights, if any.

Exercise of Warrants

Each warrant will entitle the holder to purchase the securities that we specify in the applicable prospectus supplement at the exercise price that we describe in the applicable prospectus supplement. Holders of the warrants may exercise the warrants at any time up to the specified time on the expiration date that we set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised warrants will become void.

Holders of the warrants may exercise the warrants by delivering the warrant certificate representing the warrants to be exercised together with specified information, and paying the required amount to the warrant agent in immediately available funds, as provided in the applicable prospectus supplement. We will set forth on the reverse side of the warrant certificate and in the applicable prospectus supplement the information that the holder of the warrant will be required to deliver to the warrant agent.

If fewer than all of the warrants represented by the warrant certificate are exercised, then we will issue a new warrant certificate for the remaining amount of warrants. If we so indicate in the applicable prospectus supplement, holders of the warrants may surrender securities as all or part of the exercise price for warrants.

DESCRIPTION OF UNITS

As specified in the applicable prospectus supplement, we may issue, in one more series, units consisting of Common Stock, preferred stock and/or warrants for the purchase of Common Stock and/or preferred stock in any combination. The applicable prospectus supplement will describe:

the securities comprising the units, including whether and under what circumstances the securities comprising the units may be separately traded;

the terms and conditions applicable to the units, including a description of the terms of any applicable unit agreement governing the units; and

a description of the provisions for the payment, settlement, transfer or exchange of the units.

Table of Contents

PLAN OF DISTRIBUTION

The securities covered by this prospectus may be offered and sold from time to time pursuant to one or more of the following methods:

through agents;

to or through underwriters;

to or through broker-dealers (acting as agent or principal);

in “at the market offerings” within the meaning of Rule 415(a)(4) of the Securities Act, to or through a market maker or into an existing trading market, on an exchange, or otherwise;

directly to purchasers, through a specific bidding or auction process or otherwise; or

through a combination of any such methods of sale.

Agents, underwriters or broker-dealers may be paid compensation for offering and selling the securities. That compensation may be in the form of discounts, concessions or commissions to be received from us, from the purchasers of the securities or from both us and the purchasers. Any underwriters, dealers, agents or other investors participating in the distribution of the securities may be deemed to be “underwriters,” as that term is defined in the Securities Act, and compensation and profits received by them on sale of the securities may be deemed to be underwriting commissions, as that term is defined in the rules promulgated under the Securities Act.

Each time securities are offered by this prospectus, the prospectus supplement, if required, will set forth:

the name of any underwriter, dealer or agent involved in the offer and sale of the securities;

the terms of the offering;

any discounts concessions or commissions and other items constituting compensation received by the underwriters, broker-dealers or agents;

any over-allotment option under which any underwriters may purchase additional securities from us; and

any initial public offering price.

The securities may be sold at a fixed price or prices, which may be changed, at market prices prevailing at the time of sale, at prices relating to the prevailing market prices or at negotiated prices. The distribution of securities may be effected from time to time in one or more transactions, by means of one or more of the following transactions, which may include cross or block trades:

transactions on the NASDAQ Capital Market or any other organized market where the securities may be traded;

in the over-the-counter market;

in negotiated transactions;

under delayed delivery contracts or other contractual commitments; or

a combination of such methods of sale.

If underwriters are used in a sale, securities will be acquired by the underwriters for their own account and may be resold from time to time in one or more transactions. Our securities may be offered to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. If an underwriter or underwriters are used in the sale of securities, an underwriting agreement will be executed with the underwriter or underwriters at the time an agreement for the sale is reached. This prospectus and the prospectus supplement will be used by the underwriters to resell the shares of our securities.

Table of Contents

In compliance with the guidelines of the Financial Industry Regulatory Authority, or “FINRA,” the aggregate maximum discount, commission or agency fees or other items constituting underwriting compensation to be received by any FINRA member or independent broker-dealer will not exceed 8% of the offering proceeds from any offering pursuant to this prospectus and any applicable prospectus supplement.

If 5% or more of the net proceeds of any offering of our securities made under this prospectus will be received by a FINRA member participating in the offering or affiliates or associated persons of such FINRA member, the offering will be conducted in accordance with FINRA Rule 5121.

To comply with the securities laws of certain states, if applicable, the securities offered by this prospectus will be offered and sold in those states only through registered or licensed brokers or dealers.

Agents, underwriters and dealers may be entitled under agreements entered into with us to indemnification by us against specified liabilities, including liabilities incurred under the Securities Act, or to contribution by us to payments they may be required to make in respect of such liabilities. The prospectus supplement will describe the terms and conditions of such indemnification or contribution. Some of the agents, underwriters or dealers, or their respective affiliates may be customers of, engage in transactions with or perform services for us in the ordinary course of business. We will describe in the prospectus supplement naming the underwriter the nature of any such relationship.

Certain persons participating in the offering may engage in over-allotment, stabilizing transactions, short-covering transactions and penalty bids in accordance with Regulation M under the Exchange Act. We make no representation or prediction as to the direction or magnitude of any effect that such transactions may have on the price of the securities. For a description of these activities, see the information under the heading “Underwriting” in the applicable prospectus supplement.

LEGAL MATTERS

The validity of the securities offered in this prospectus will be passed upon for us by Garvey Schubert Barer.

EXPERTS

Our consolidated financial statements for the years ended December 31, 2016 and 2015, incorporated by reference into this prospectus and Registration Statement, have been audited by the independent registered public accounting firm MJF & Associates, APC, as set forth in its report thereon, and are included in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The SEC allows us to “incorporate by reference” the information we file with them into this prospectus. This means that we can disclose important information about us and our financial condition to you by referring you to another document filed separately with the SEC instead of having to repeat the information in this prospectus. The information incorporated by reference is considered to be part of this prospectus and later information that we file with the SEC will automatically update and supersede this information. This prospectus incorporates by reference any future filings made with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Exchange Act, between the date of the initial registration statement and prior to effectiveness of the registration statement and the documents listed below that we have previously filed with the SEC:

our Annual Report on Form 10-K for the year ended December 31, 2016;

our Quarterly Reports on Form 10-Q for the three-month periods ended March 31, 2017, June 30, 2017 and September 30, 2017;

our Current Reports on Form 8-K filed on April 28, 2017 and July 3, 2017; and

the description of our Common Stock contained in the Registration Statement on Form SB-2, filed with the Commission on July 29, 2005, and any amendment or report filed for the purpose of updating such description.

Table of Contents

We also incorporate by reference all documents that we file with the SEC on or after the effective time of this prospectus pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act and prior to the sale of all the securities registered hereunder or the termination of the registration statement. Nothing in this prospectus shall be deemed to incorporate information furnished but not filed with the SEC.

Any statement contained in this prospectus or in a document incorporated or deemed to be incorporated by reference in this prospectus shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein or in the applicable prospectus supplement or in any other subsequently filed document which also is or is deemed to be incorporated by reference modifies or supersedes the statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

You may request a copy of the filings incorporated herein by reference, including exhibits to such documents that are specifically incorporated by reference, at no cost, by writing or calling us at the following address or telephone number:

China Recycling Energy Corporation

12/F, Tower A

Chang An International Building

No. 88 Nan Guan Zheng Jie,

Xi'an City, Shaanxi Province, China

Attn: Adeline Gu, Chief Financial Officer and Corporate Secretary

+86-29-8765-1098

Statements contained in this prospectus as to the contents of any contract or other documents are not necessarily complete, and in each instance you are referred to the copy of the contract or other document filed as an exhibit to the registration statement or incorporated herein, each such statement being qualified in all respects by such reference and the exhibits and schedules thereto.

WHERE YOU CAN FIND MORE INFORMATION

This prospectus is part of a registration statement on Form S-3 that we filed with the SEC registering the securities that may be offered and sold hereunder. The registration statement, including exhibits thereto, contains additional relevant information about us and these securities that, as permitted by the rules and regulations of the SEC, we have not included in this prospectus. A copy of the Registration Statement can be obtained at the address set forth below or at the SEC's website as noted below. You should read the registration statement, including any applicable prospectus supplement, for further information about us and these securities.

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public over the Internet at the SEC's website at <http://www.sec.gov>. You may also read and copy any document we file at the SEC's public reference room, 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the public reference room. Because our Common Stock is listed on the NASDAQ Capital Market, you may also inspect reports, proxy statements and other information at the offices of the NASDAQ Capital Market.

Table of Contents

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following table sets forth all expenses payable by us in connection with the offering of our securities being registered hereby. All amounts shown are estimates except the SEC registration fee.

Registration fee	\$6,225
Legal fees and expenses	*
Accounting fees and expenses	*
Printing and miscellaneous expenses	*
Total expenses	\$*

*Estimated expenses are presently not known and cannot be estimated.

Item 15. Indemnification of Directors and Officers.

Section 78.138 of the NRS provides that a director or officer is not individually liable to the corporation or its shareholders or creditors for any damages as a result of any act or failure to act in his or her capacity as a director or officer unless it is proven that (1) the director's or officer's act or failure to act constituted a breach of his fiduciary duties as a director or officer and (2) his or her breach of those duties involved intentional misconduct, fraud or a knowing violation of law.

This provision is intended to afford directors and officers protection against and to limit their potential liability for monetary damages resulting from suits alleging a breach of the duty of care by a director or officer. As a consequence of this provision, shareholders of our Company will be unable to recover monetary damages against directors or officers for action taken by them that may constitute negligence or gross negligence in performance of their duties unless such conduct falls within one of the foregoing exceptions. The provision, however, does not alter the applicable standards governing a director's or officer's fiduciary duty and does not eliminate or limit the right of our company or

any shareholder to obtain an injunction or any other type of non-monetary relief in the event of a breach of fiduciary duty.

Our Articles of Incorporation, as amended, and Fourth Amended and Restated Bylaws provide, among other things, that a director, officer, employee or agent of the corporation may be indemnified against expenses (including attorneys' fees inclusive of any appeal), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with such claim, action, suit or proceeding if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best of our interests, and with respect to any criminal action or proceeding, such person had no reasonable cause to believe that such person's conduct was unlawful.

Insofar as indemnification for liabilities arising under the Securities Act may be provided for directors, officers, employees, agents or persons controlling an issuer pursuant to the foregoing provisions, the opinion of the SEC is that such indemnification is against public policy as expressed in the Securities Act, and is therefore unenforceable. In the event that a claim for indemnification by such director, officer or controlling person of us in the successful defense of any action, suit or proceeding is asserted by such director, officer or controlling person in connection with the securities being offered, we will, unless in the opinion of our counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by us is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

At the present time, there is no pending litigation or proceeding involving a director, officer, employee or other agent of ours in which indemnification would be required or permitted. We are not aware of any threatened litigation or proceeding, which may result in a claim for such indemnification.

II-1

Table of Contents

Item 16. Exhibits.

See the Exhibit Index attached to this registration statement and incorporated herein by reference.

Item 17. Undertakings.

The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) to include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) to reflect in the prospectus any facts or events arising after the effective date of this registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this registration statement. Notwithstanding the foregoing, any increase or decrease in the volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) to include any material information with respect to the plan of distribution not previously disclosed in this registration statement or any material change to such information in this registration statement;

provided, however, that paragraphs (1)(i), (1)(ii) and (1)(iii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the SEC by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of this registration statement.

(2) That, for the purposes of determining any liability under the Securities Act, each post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at the time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act to any purchaser:

(i) Each prospectus filed by the Registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

Table of Contents

(5) That, for the purpose of determining liability of a Registrant under the Securities Act to any purchaser in the initial distribution of the securities:

The undersigned Registrant undertakes that in a primary offering of securities of the undersigned Registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications the undersigned Registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) any preliminary prospectus or prospectus of the undersigned Registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) any free writing prospectus relating to the offering prepared by or on behalf of the undersigned Registrant or used or referred to by the undersigned Registrant;

(iii) the portion of any other free writing prospectus relating to the offering containing material information about the undersigned Registrant or its securities provided by or on behalf of the undersigned Registrant; and

(iv) any other communication that is an offer in the offering made by the undersigned Registrant to the purchaser.

(6) The undersigned Registrant hereby undertakes that:

(i) For purposes of determining any liability under the Securities Act, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon rule 430A and contained in a form of prospectus filed by the Registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.

(ii) For the purpose of determining any liability under the Securities Act, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

The Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in this registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the indemnification provisions described herein, or otherwise, the Registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

Table of Contents

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Xi'an China, on December 1, 2017.

**CHINA RECYCLING ENERGY
CORPORATION**

By: /s/ Guohua Ku
Guohua Ku
Chairman of the Board of Directors
and Chief Executive Officer
(Principal Executive Officer)

SIGNATURES AND POWER OF ATTORNEY

Each person whose signature appears below constitutes and appoints Guohua Ku and Adeline Gu as his/her true and lawful attorneys-in-fact and agents, each acting alone, with full power of substitution and resubstitution, for him/her and in his/her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement on Form S-3 and any subsequent registration statement the Registrant may hereafter file with the Securities and Exchange Commission pursuant to Rule 462 under the Securities Act to register additional securities in connection with this registration statement, and to file this registration statement, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in order to effectuate the same as fully, to all intents and purposes, as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ Guohua Ku Gouhua Ku	Chairman of the Board of Directors and Chief Executive Officer (Principal Executive Officer)	December 1, 2017

/s/ Binfeng (Adeline) Gu Binfeng (Adeline) Gu	Chief Financial Officer (Principal Financial Officer), Principal Accounting Officer and Secretary	December 1, 2017
/s/ Xiaoping Guo Xiaoping Guo	Director	December 1, 2017
/s/ Geyun Wang Geyun Wang	Director, Vice President	December 1, 2017
/s/ Xiaogang Zhu Xiaogang Zhu	Director	December 1, 2017
/s/ LuLu Sun LuLu Sun	Director	December 1, 2017

II-4

Table of Contents

EXHIBIT INDEX

Exhibit Number	Description
3.1	<u>Articles of Incorporation (filed as Exhibit 3.05 to the Company's Form 10-KSB for the fiscal year ended December 31, 2001).</u>
3.2	<u>Fourth Amended and Restated Bylaws (filed as Exhibit 3.1 to the Company's Current Report on Form 8-K dated December 2, 2009).</u>
3.3	<u>Certificate of Change (filed as Exhibit 3.6 to the Company's Current Report on Form 8-K dated May 31, 2016).</u>
4.1	<u>Common Stock Specimen (filed as Exhibit 4.1 to the Company's Registration Statement on Form SB-2 dated November 12, 2004; 1934 Act File No. 333-120431).</u>
4.2	Form of Warrant Agreement, including form of Warrant.*
4.3	Form of Unit Agreement.*
4.4	Form of Pledge Agreement.*
5.1	<u>Opinion of Garvey Schubert Barer.**</u>
23.1	<u>Consent of Independent Registered Accounting Firm.**</u>
23.3	<u>Consent of Garvey Schubert Barer (included in legal opinion filed as Exhibit 5.1).**</u>
24.1	<u>Powers of Attorney (included on signature page).**</u>

* To be filed by amendment or as an exhibit to a report pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended and incorporated herein by reference.

** Filed herewith.