

CHINA RECYCLING ENERGY CORP

Form 424B5

October 30, 2018

Filed Pursuant to Rule 424(b)(5)

Registration No. 333-221868

PROSPECTUS SUPPLEMENT

(to Prospectus dated December 8, 2017)

1,985,082 Shares of Common Stock

We are offering 1,985,082 shares of our common stock, \$0.001 par value per share, at a purchase price of \$1.375 per share, to certain institutional and accredited investors pursuant to this prospectus supplement and the accompanying prospectus and securities purchase agreements with such investors. In a concurrent private placement, we are also selling to such investors warrants to purchase up to 1,985,082 shares of our common stock for a purchase price of \$0.125 per warrant (the "Warrants"). The Warrants and the shares of our common stock issuable upon the exercise of the Warrants (the "Warrant Shares") are being offered pursuant to the exemption provided in Section 4(a)(2) under the Securities Act of 1933, as amended (the "Securities Act") and Rule 506(b) promulgated thereunder, and they are not being offered pursuant to this prospectus supplement and the accompanying prospectus. The Warrants being issued in the concurrent private placement are not listed on any securities exchange, and we do not expect to list the Warrants.

Our common stock is listed on the Nasdaq Capital Market and traded under the symbol "CREG." The last reported sale price of our common stock on the Nasdaq Capital Market on October 26, 2018 was \$1.59 per share.

As of October 29, 2018, the aggregate market value of the outstanding common stock held by non-affiliates, computed by reference to the price at which our common stock was last sold on October 26, 2018, was \$8,932,881, based on 8,310,198 shares of our outstanding common stock as of October 29, 2018, of which 2,692,034 shares were held by affiliates. Pursuant to General Instruction I.B.6 of Form S-3, in no event will we sell securities in a public primary offering with a value exceeding more than one-third of our public float in any 12-month period so long as our public float remains below \$75.0 million. During the 12 calendar months prior to and including the date of this prospectus (excluding this offering), we have not sold any of our securities pursuant to General Instruction I.B.6 of Form S-3.

See “Risk Factors” beginning on page S-5 of this prospectus supplement and in our other filings with the Securities and Exchange Commission incorporated by reference in this prospectus supplement and the accompanying prospectus to read about factors you should consider before making a decision to invest in our common stock.

We have retained H.C. Wainwright & Co., LLC (“Wainwright”) to act as our exclusive placement agent in connection with the shares of common stock offered by this prospectus supplement and the accompanying prospectus. The placement agent has agreed to use its reasonable best efforts to sell the shares of common stock offered by this prospectus supplement and the accompanying prospectus. We have agreed to pay the placement agent the placement agent fees set forth in the table below, which assumes that we sell all of the shares of common stock we are offering.

	Per Share	Total
Offering Price	\$ 1.375	\$2,729,487.75
Placement Agent Fees ⁽¹⁾⁽²⁾	\$ 0.0962	\$ 191,064.14
Proceeds, before expenses, to us ⁽²⁾	\$ 1.2788	\$2,538,423.61

We have agreed to reimburse the placement agent for certain of its expenses and to grant warrants to purchase (1) shares of our common stock to the placement agent as described under the “Plan of Distribution” on page S-8 of this prospectus supplement (the “Placement Agent Warrants”).

⁽²⁾ The amount of the offering proceeds to us presented in this table does not give effect to the sale or exercise, if any, of the Warrants being issued in the concurrent private placement or of the Placement Agent Warrants.

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 supplement or the accompanying prospectus. Any representation to the contrary is a criminal offense.

We anticipate delivery of the shares will take place on or about October 31, 2018, subject to the satisfaction of certain closing conditions.

H.C. Wainwright & Co.

The date of this prospectus supplement is October 29, 2018.

TABLE OF CONTENTS

PROSPECTUS SUPPLEMENT

<u>ABOUT THIS PROSPECTUS SUPPLEMENT</u>	S-ii
<u>PROSPECTUS SUPPLEMENT SUMMARY</u>	S-1
<u>THE OFFERING</u>	S-3
<u>RISK FACTORS</u>	S-5
<u>SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS</u>	S-6
<u>USE OF PROCEEDS</u>	S-7
<u>DILUTION</u>	S-8
<u>PLAN OF DISTRIBUTION</u>	S-8
<u>PRIVATE PLACEMENT OF WARRANTS</u>	S-10
<u>LEGAL MATTERS</u>	S-10
<u>EXPERTS</u>	S-10
<u>INCORPORATION OF CERTAIN INFORMATION BY REFERENCE</u>	S-10
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	S-11

TABLE OF CONTENTS

	Page
<u>ABOUT THIS PROSPECTUS</u>	ii
<u>THE COMPANY</u>	1
<u>RISK FACTORS</u>	9
<u>FORWARD-LOOKING STATEMENTS</u>	10
<u>USE OF PROCEEDS</u>	10
<u>DESCRIPTION OF CAPITAL STOCK</u>	10
<u>DESCRIPTION OF COMMON STOCK</u>	10
<u>DESCRIPTION OF PREFERRED STOCK</u>	11
<u>DESCRIPTION OF WARRANTS</u>	12
<u>DESCRIPTION OF UNITS</u>	13
<u>PLAN OF DISTRIBUTION</u>	14
<u>LEGAL MATTERS</u>	15
<u>EXPERTS</u>	15
<u>INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE</u>	15
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	16

Table of Contents

ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement and the accompanying prospectus are part of a “shelf” registration statement on Form S-3 (File No. 333-221868) that we initially filed with the Securities and Exchange Commission (the “SEC”) on December 1, 2017, and that was declared effective by the SEC on December 8, 2017. This document is in two parts. The first part is this prospectus supplement, which describes the terms of this offering and adds to and updates the information contained in the accompanying prospectus. The second part, the accompanying prospectus, provides more general information, some of which may not apply to this offering. Generally, when we refer to this prospectus, we are referring to both parts of this document combined. To the extent there is a conflict between the information contained in this prospectus supplement and the information contained in the accompanying prospectus or in any document incorporated by reference into this prospectus supplement that was filed with the SEC before the date of this prospectus supplement, you should rely on the information in this prospectus supplement.

This prospectus supplement and the accompanying prospectus relate to this offering. Before buying any of the shares of common stock offered hereby, we urge you to read carefully this prospectus supplement and the accompanying prospectus, together with the information incorporated herein and therein by reference as described below under the section entitled “Incorporation of Certain Information by Reference” on page S-10 of this prospectus supplement.

You should rely only on the information contained in, or incorporated by reference into, this prospectus supplement and the accompanying prospectus. We have not, and the placement agent has not, authorized anyone to provide you with different or additional information.

We are not, and the placement agent is not, making offers to sell or solicitations to buy our shares of common stock in any jurisdiction in which an offer or solicitation is not authorized or in which the person making that offer or solicitation is not qualified to do so or to anyone to whom it is unlawful to make an offer or solicitation. Persons outside the United States who come into possession of this prospectus supplement and accompanying prospectus must inform themselves about, and observe any restrictions relating to, the offering of our shares of common stock and the distribution of this prospectus supplement and accompanying prospectus outside the United States. You should assume that the information in this prospectus supplement and the accompanying prospectus is accurate only as of the date on the front of the respective document and that any information that we have incorporated by reference is accurate only as of the date of the document incorporated by reference, regardless of the time of delivery of this prospectus supplement or the accompanying prospectus or the time of any sale of a security.

This prospectus supplement and the accompanying prospectus contain summaries of certain provisions contained in some of the documents described herein and therein, but reference is made to the actual documents for complete information. All of the summaries are qualified in their entirety by the actual documents. Copies of some of the documents referred to herein and therein have been filed, will be filed or will be incorporated herein by reference as

exhibits to the registration statement, and you may obtain copies of those documents as described below under the section entitled “Where You Can Find More Information” on page S-11 of this prospectus supplement.

We further note that the representations, warranties and covenants made by us in any agreement that is filed as an exhibit to any document that is incorporated by reference herein were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to such agreements, and should not be deemed to be a representation, warranty or covenant to you. Moreover, such representations, warranties or covenants were accurate only as of the date when made. Accordingly, such representations, warranties and covenants should not be relied on as accurately representing the current state of our affairs.

This prospectus supplement and the accompanying prospectus contain and incorporate by reference market data and industry statistics and forecasts that are based on independent industry publications and other publicly-available information. Although we believe these sources are reliable, we do not guarantee the accuracy or completeness of this information and we have not independently verified this information. Although we are not aware of any misstatements regarding the market data and industry statistics and forecasts presented in this prospectus supplement, accompanying prospectus or the documents incorporated herein and therein by reference, these estimates involve risks and uncertainties and are subject to change based on various factors. Accordingly, investors should not place undue reliance on this information.

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.

Table of Contents

PROSPECTUS SUPPLEMENT SUMMARY

This summary highlights selected information about us and this offering and does not contain all of the information that you should consider in making your investment decision. You should carefully read this entire prospectus supplement and the accompanying prospectus, including the risks and uncertainties discussed under the heading “Risk Factors” beginning on page S-5 of this prospectus supplement, and the information incorporated by reference in this prospectus supplement, including our financial statements, before making an investment decision. If you invest in our shares of common stock, you are assuming a high degree of risk.

The Company

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 which 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 industries, we serve multiple industries.

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.

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.

We are in the process of transforming and expanding into an energy storage integrated solution provider. We plan to pursue disciplined and targeted expansion strategies for market areas that we currently do not serve. We are actively seeking and exploring opportunities to apply energy storage technologies to new industries or segments with high growth potential, including industrial and commercial complexes, large scale photovoltaic (PV) and wind power stations, remote islands without electricity, and smart energy cities with multi-energy supplies. By supporting and motivating all kinds of the electric power market to participant in resource development and utilization of demand response, we plan to provide services including peak shaving with compensation and frequency modulation. We intend to gradually form motor load performance for peak and low-hours, which will account for about 3% of the annual maximum power load on the demand side and to ensure the electricity supply and demand balance for situations of non-severe power shortages.

Our business is primarily conducted through our wholly-owned subsidiaries, Sifang Holdings Co., Ltd. ("Sifang") and Shanghai Yinghua Financial Leasing Co., Ltd ("Yinghua"); Sifang's wholly-owned subsidiaries, Huahong New Energy Technology Co., Ltd. ("Huahong") and Shanghai TCH; Shanghai TCH's wholly-owned subsidiary, Xi'an TCH Energy Technology Company, Ltd ("Xi'an TCH"), Xi'an TCH's wholly-owned subsidiaries, Erdos TCH Energy Saving Development Co., Ltd ("Erdos TCH") and Zhongxun Energy Investment (Beijing) Co., Ltd ("Zhongxun"); and Xi'an TCH's 90% owned subsidiary, Xi'an Zhonghong New Energy Technology Co., Ltd. ("Zhonghong"). Shanghai TCH was established as a foreign investment enterprise in Shanghai under the laws of the PRC on May 25, 2004, and currently has registered capital of \$29.80 million. Xi'an TCH was incorporated in Xi'an, Shaanxi Province under the laws of the PRC in November 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 owns 90% of Zhonghong. Zhonghong provides 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.

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.

Waste Pressure to Energy Systems

TRT is a power generating system utilizing the exhaust pressure and heat from industrial processes in the iron, steel, petrochemical, chemical and non-ferrous metals industries, often from blast furnace gases in the metal production industries. Without TRT power systems, blast furnace gas is treated by various de-pressurizing valves to decrease its pressure and temperature before the gas is transmitted to end users. No electricity is generated during the process and noise and heat pollution is released. In a TRT system, the blast furnace gas produced during the smelting process is directed through the system to decrease its pressure and temperature. The released pressure and heat is then utilized to drive the turbine unit to generate electricity, which is then transmitted back to the producer. We believe our projects are superior to those of our competitors due to the inclusion of advanced dry-type de-dusting technology, joined turbine systems, and automatic power grid synchronization.

Waste Heat to Energy Systems

Waste heat to energy systems utilize waste heat generated in industrial production to generate electricity. The waste heat is trapped to heat a boiler to create steam and power a steam turbine. Our waste heat to energy systems have used waste heat from cement production and from metal production. We invested and have built two cement low temperature heat power generation systems. These projects can use about 35% of the waste heat generated by the cement kiln, and generate up to 50% of the electricity needed to operate the cement plant.

Waste Gas to Energy Systems

Our Waste Gas to Energy Systems primarily include WGPG systems and CCPP systems. WGPG uses the flammable waste gases emitted from industrial production processes such as blast furnace gas, coke furnace gas, and oil gas, to power gas-fired generators to create energy. A CCPP system employs more than one power generating cycle to utilize the waste gas, which is more efficient because it not only generates electricity by burning the flammable waste gas in a gas-fired generator (WGPG) but also uses the waste heat from burning the gas to make steam to generate additional electricity via a steam generator (CCPP).

Our Corporate Information

We are headquartered in China. Our principal executive offices are located at 4/F, Tower C, Rong Cheng Yun Gu Building, Keji 3rd Road, Beilin District, Xi'an City, Shaanxi Province, China, and our telephone number at this location is +86-29-8769-1098. 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

THE OFFERING

Issuer China Recycling Energy Corporation

Common stock offered by us 1,985,082 shares of common stock.

Offering price \$1.375 per share of common stock.

Common stock to be outstanding after this offering 10,295,280 shares.

Concurrent private placement of Warrants

We are offering 1,985,082 shares of our common stock in this offering pursuant to this prospectus supplement and the accompanying base prospectus and securities purchase agreements at a price of \$1.375 per share. In a concurrent private placement, we are also selling to investors, at a purchase price of \$0.125 per warrant, Warrants to purchase an additional 1,985,082 shares of our common stock. Each Warrant will be exercisable for one share of our common stock at an exercise price of \$1.3725 per share. Each Warrant shall be exercisable immediately from the date of issuance and have a term of exercise equal to five and one half years. The Warrants and the shares issuable upon exercise of the Warrants (the “Warrant Shares”) are not being registered under the Securities Act, pursuant to the registration statement of which this prospectus supplement and the accompanying base prospectus form a part nor are such Warrants and Warrant Shares being offered pursuant to such prospectus supplement and base prospectus and are being offered pursuant to an exemption provided in Section 4(a)(2) of the Securities Act and Rule 506(b) promulgated thereunder. The Warrants are not and will not be listed for trading on any national securities exchange. Each purchaser will be an “accredited investor” as such term is defined in Rule 501(a) under the Securities Act.

Use of Proceeds

We estimate that the net proceeds from the sale of our shares of common stock in this offering will be approximately \$2.4 million, after deducting the placement agent fees and estimated offering expenses payable by us and excluding any proceeds we may receive upon the sale or exercise of the Warrants being offered in the concurrent private placement. We currently intend to use the net proceeds from this offering for growth capital and general working capital. See “Use of Proceeds” on page S-7.

Risk Factors

Investing in our securities involves a high degree of risk. See “Risk Factors” beginning on page S-5 of this prospectus supplement and page 9 of the accompanying prospectus, as well as the risk factors sections of any documents incorporated by reference into this prospectus supplement.

Market for our Common Stock

Our common stock is listed and traded on Nasdaq Capital Market under the symbol “CREG.”

S-3

Table of Contents

The number of shares of our common stock to be outstanding immediately after this offering is based on 8,310,198 shares of our common stock outstanding as of October 29, 2018. The number of shares of our common stock outstanding excludes the following:

2,600,000 shares of our common stock and 17,376,950 shares of our preferred stock that will be issuable upon the consummation of those transactions contemplated by that an equity purchase agreement between our wholly-owned subsidiary and a third party;

365,266 shares of our common stock issuable upon the conversion of our convertible promissory note dated July 11, 2018;

1,985,082 shares of common stock reserved for issuance upon exercise of the Warrants offered to the investors in the concurrent private placement having an exercise price of \$1.3725 per share; and

138,956 shares of common stock reserved for issuance upon exercise of the Placement Agent Warrants to be issued as compensation to the placement agent in this offering, having an exercise price of \$1.875 per share.

Except as otherwise indicated herein, all information in this prospectus supplement, including the number of shares that will be outstanding after this offering, does not assume or give effect to the exercise of convertible securities outstanding as of October 29, 2018 or to the exercise of the Warrants offered in the concurrent private placement or to the Placement Agent Warrants.

Table of Contents

RISK FACTORS

Investing in our common stock involves a high degree of risk. Before investing in our common stock, you should carefully consider the risks described below, together with all of the other information contained in this prospectus supplement and the accompanying prospectus and incorporated by reference herein and therein, including from our most recent Annual Report on Form 10-K and subsequent Quarterly Reports on Form 10-Q. Some of these factors relate principally to our business and the industry in which we operate. Other factors relate principally to your investment in our common stock. The risks and uncertainties described therein and below are not the only risks facing us. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also materially and adversely affect our business and operations.

If any of the matters included in the following risks were to occur, our business, financial condition, results of operations, cash flows or prospects could be materially and adversely affected. In such case, you may lose all or part of your investment.

Risks Related to Our Securities and this Offering

We have a significant number of shares that may be issuable upon the conversion of our outstanding convertible note and the consummation of a pending transaction, and future sales of the underlying shares of common stock could adversely affect the market price of our common stock.

As of October 29, 2018, we had outstanding a convertible note convertible for 365,266 shares of our common stock (including accrued interest thereon). Additionally, in connection with an equity purchase agreement entered into by our wholly-owned subsidiary, and assuming that the closing conditions described therein are fulfilled, we anticipate issuing 2,600,000 shares of our common stock and 17,376,950 shares of our preferred stock upon the consummation of the transactions contemplated by such agreement. Upon conversion of the note or any preferred stock issued by us, we would issue additional shares of our common stock. As a result, our current stockholders as a group would own a substantially smaller interest in us and may have less influence on our management and policies than they now have. Furthermore, the holders may sell these shares in the public markets from time to time, without limitations on the timing, amount or method of sale. As our stock price rises, the holders may convert more of their notes or preferred stock and sell a large number of shares. This could cause the market price of our common stock to decline.

We may be required to raise additional financing by issuing new securities with terms or rights superior to those of our existing securityholders, which could adversely affect the market price of shares of our common stock and our business

We will require additional financing to fund future operations, including our research and development activities. We may not be able to obtain financing on favorable terms, if at all. If we raise additional funds by issuing equity securities, the percentage ownership of our current stockholders will be reduced, and the holders of the new equity securities may have rights superior to those of our existing securityholders, which could adversely affect the market price of our common stock and the voting power of shares of our common stock. If we raise additional funds by issuing debt securities, the holders of these debt securities would similarly have some rights senior to those of our existing securityholders, and the terms of these debt securities could impose restrictions on operations and create a significant interest expense for us which could have a materially adverse effect on our business.

We have broad discretion in the use of the net proceeds of this offering and, despite our efforts, we may use the net proceeds in a manner that does not increase the value of your investment.

We currently intend to use the net proceeds from this offering for general corporate purposes, which may include working capital, research and development expenditures and other capital expenditures and general and administrative expenses. However, we have not determined the specific allocation of the net proceeds among these potential uses. Our management will have broad discretion over the use and investment of the net proceeds of this offering, and, accordingly, investors in this offering will need to rely upon the judgment of our management with respect to the use of proceeds, with only limited information concerning our specific intentions. These proceeds could be applied in ways that do not improve our operating results or increase the value of your investment. Please see the section entitled “Use of Proceeds” on page S-8 of this prospectus supplement for further information.

You will experience immediate and substantial dilution in the net tangible book value per share of the common stock you purchase.

The offering price per share of our common stock being offered is substantially lower than the net tangible book value per share of our outstanding common stock. As a result, the investor purchasing shares of our common stock in this offering will incur immediate dilution of \$22.956 per share, after giving effect to the sale of an aggregate of 1,985,082 shares of our common stock at an offering price of \$1.375 per share, after deducting placement agent fees and estimated offering expenses payable by us and using our as adjusted net tangible book value per share as of June 30, 2018. See “Dilution” on page S-8 of this prospectus supplement for a more detailed discussion of the dilution you will incur if you purchase shares in this offering.

A substantial number of shares of our common stock may be sold in this offering, which could cause the price of our common stock to decline.

In this offering we are selling 1,985,082 shares of common stock, which represents approximately 19.28% of our outstanding common stock as of October 29, 2018 after giving effect to the sale of the shares of our common stock in

this offering. In addition, the investors in this offering will receive, pursuant to the concurrent private placement, unregistered Warrants to purchase up to 1,985,082 shares of our common stock. This sale and any future sales of a substantial number of shares of our common stock in the public market, or the perception that such sales may occur, could adversely affect the price of our common stock on the Nasdaq Capital Market. We cannot predict the effect, if any, that market sales of those shares of our common stock or the availability of those shares of our common stock for sale will have on the market price of our common stock.

S-5

Table of Contents

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein and therein contain forward-looking statements that involve substantial risks and uncertainties. All statements, other than statements of historical facts, included in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein and therein regarding our strategy, future operations, future financial position, future revenues, projected costs, prospects, plans and objectives of management are forward-looking statements. The words “aim,” “anticipate,” “believe,” “estimate,” “expect,” “potential,” “intend,” “may,” “plan,” “predict,” “pr” “should,” “would” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words.

We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements we make. We have included important factors in the cautionary statements included in this prospectus supplement, particularly under “Risk Factors” on page S-5 of this prospectus supplement, the accompanying prospectus and the documents incorporated herein and therein that we believe could cause actual results or events to differ materially from the forward-looking statements that we make. Our forward-looking statements do not reflect the potential impact of any future acquisitions, mergers, dispositions, joint ventures, collaborations or investments we may make.

You should read this prospectus supplement, the accompanying prospectus and the documents that we incorporate by reference herein and therein completely and with the understanding that our actual future results may be materially different from what we expect.

Except as required by law, we undertake no obligation to update or revise any forward-looking statements to reflect new information or future events or developments. You should not assume that our silence over time means that actual events are bearing out as expressed or implied in such forward-looking statements. Before deciding to purchase our securities, you should carefully consider the risk factors discussed and incorporated by reference in this prospectus supplement and the accompanying prospectus and in the registration statement of which this prospectus supplement and the accompanying prospectus form a part.

Table of Contents

USE OF PROCEEDS

We estimate that the proceeds from this offering will be approximately \$2.4 million, after deducting the placement agent fees and estimated offering expenses payable by us and excluding any proceeds we may receive upon the sale or exercise of the Warrants being offered in the concurrent private placement or the Placement Agent Warrants.

We intend to use the net proceeds from this offering primarily for research and development, growth capital and general working capital. We have not determined the amounts we plan to spend on any specific purpose or the timing of these expenditures. As a result, our management will have broad discretion to allocate the net proceeds from this offering. Pending application of the net proceeds as described above, we intend to invest the net proceeds to us from this offering in a variety of capital preservation investments, including short-term, investment-grade and interest-bearing instruments.

S-7

Table of Contents**DILUTION**

Our net tangible book value as of June 30, 2018, was approximately \$199.78 million, or \$24.04 per share of our common stock. Net tangible book value per share of our common stock is determined by dividing total tangible assets (less total tangible liabilities) by the aggregate number of shares of our common stock outstanding as of June 30, 2018.

After giving effect to the assumed sale of 1,985,082 shares of common stock in this offering at a price of \$1.375 per share, and after deducting estimated placement agent fees and other estimated offering expenses paid or payable by us, our as adjusted net tangible book value as of June 30, 2018 would have been approximately \$202.20 million, or approximately \$24.33 per share. This represents an immediate increase in net tangible book value of \$0.29 per share to our existing stockholders and immediate dilution in net tangible book value of \$22.96 per share to purchasers in this offering. The following table illustrates this calculation on a per share basis:

Offering price per share in this offering	\$ 1.375
Net tangible book value per share as of June 30, 2018	\$24.040
Increase in as adjusted increase in net tangible book value per share attributable to purchasers in this offering	0.291
As adjusted net tangible book value per share immediately after this offering	24.331
Dilution per share to purchasers in this offering	\$22.956

Dilution per share to investors purchasing our common stock in this offering represents the difference between the price per share to be paid for the shares sold by us in this offering and the as adjusted net tangible book value per share after giving effect to this offering.

The number of shares of our common stock to be outstanding immediately after this offering is based on 8,310,198 shares of our common stock outstanding as of June 30, 2018. Unless specifically stated otherwise, the information in this prospectus supplement is as of June 30, 2018 and excludes:

2,600,000 shares of our common stock and 17,376,950 shares of our preferred stock that will be issuable upon the consummation of those transactions contemplated by that an equity purchase agreement between our wholly-owned subsidiary and a private investor; and

356,667 shares of our common stock issuable upon the conversion of our convertible promissory note dated July 11, 2018.

The above illustration of dilution per share to investors participating in this offering assumes no exercise of warrants to purchase shares of our common stock, including the Warrants to be issued to the purchasers in this offering in the concurrent private placement or the Placement Agent Warrants (see “Private Placement of Warrants” for more information). The exercise of any such securities will increase dilution to purchasers in this offering.

Because there is no minimum offering amount required as a condition to the closing of this offering, the dilution per share to new investors may be more than that indicated above in the event that the actual number of shares sold, if any, is less than the maximum number of shares of common stock we are offering.

PLAN OF DISTRIBUTION

Pursuant to an engagement letter agreement dated October 22, 2018, we have engaged H.C. Wainwright & Co., LLC (“Wainwright” or the “placement agent”) to act as our exclusive placement agent in connection with this offering of our shares of common stock pursuant to this prospectus supplement and accompanying prospectus. Under the terms of the engagement letter, the placement agent has agreed to be our exclusive placement agent, on a reasonable best efforts basis, in connection with the issuance and sale by us of our shares of common stock in this takedown from our shelf registration statement. The terms of this offering were subject to market conditions and negotiations between us, the placement agent and prospective investors. The engagement letter does not give rise to any commitment by the placement agent to purchase any of our shares of common stock, and the placement agent will have no authority to bind us by virtue of the engagement letter. Further, the placement agent does not guarantee that it will be able to raise new capital in any prospective offering. The placement agent may engage sub-agents or selected dealers to assist with this offering.

Table of Contents

The placement agent proposes to arrange for the sale of the shares we are offering pursuant to this prospectus supplement and accompanying prospectus to one or more investors through securities purchase agreements directly between the purchasers and us.

We expect to deliver the shares of our common stock being offered pursuant to this prospectus supplement on or about October 31, 2018.

We have agreed to pay the placement agent a total cash fee equal to 7.0% of the gross proceeds of this offering. We will also pay the placement agent \$25,000 for non-accountable expenses and an expense allowance of \$50,000 for legal fees and other out-of-pocket expenses. We estimate the total expenses payable by us for this offering will be approximately \$2.4 million, which amount includes the placement agent's fees and reimbursable expenses. In addition, we have agreed to issue to the placement agent Placement Agent Warrants to purchase up to 7.0% of the aggregate number of shares of common stock sold in this offering (138,956 shares) with an expiration date of October 29, 2023. The Placement Agent Warrants will have substantially the same terms as the Warrants issued to the investors in the concurrent private placement, except that the Placement Agent Warrants will have an exercise price equal to \$1.875, or 125% of the offering price per share and warrant in the offerings and such Placement Agent Warrants will be exercisable for five years from the effective date of this offering. Pursuant to FINRA Rule 5110(g), the Placement Agent Warrants and any shares issued upon exercise of the Placement Agent Warrants shall not be sold, transferred, assigned, pledged, or hypothecated, or be the subject of any hedging, short sale, derivative, put or call transaction that would result in the effective economic disposition of the securities by any person for a period of 180 days immediately following the date of effectiveness or commencement of sales of this offering, except the transfer of any security: (i) by operation of law or by reason of our reorganization; (ii) to any FINRA member firm participating in this offering and the officers or partners thereof, if all securities so transferred remain subject to the lock-up restriction set forth above for the remainder of the time period; (iii) if the aggregate amount of our securities held by the placement agent or related persons do not exceed 1% of the securities being offered; (iv) that is beneficially owned on a pro-rata basis by all equity owners of an investment fund, provided that no participating member manages or otherwise directs investments by the fund and the participating members in the aggregate do not own more than 10% of the equity in the fund; or (v) the exercise or conversion of any security, if all securities remain subject to the lock-up restriction set forth above for the remainder of the time period.

We have agreed to indemnify the placement agent and specified other persons against certain liabilities relating to or arising out of the placement agent's activities under the placement agency agreement and to contribute to payments that the placement agent may be required to make in respect of such liabilities.

The placement agent may be deemed to be an underwriter within the meaning of Section 2(a)(11) of the Securities Act, and any commissions received by it and any profit realized on the resale of the securities sold by it while acting as principal might be deemed to be underwriting discounts or commissions under the Securities Act. As an underwriter, the placement agent would be required to comply with the requirements of the Securities Act and the Exchange Act, including, without limitation, Rule 415(a)(4) under the Securities Act and Rule 10b-5 and Regulation

M under the Exchange Act. These rules and regulations may limit the timing of purchases and sales of shares of common stock and warrants by the placement agent acting as principal. Under these rules and regulations, the placement agent:

may not engage in any stabilization activity in connection with our securities; and

may not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities, other than as permitted under the Exchange Act, until it has completed its participation in the distribution.

From time to time, the placement agent may provide in the future various advisory, investment and commercial banking and other services to us in the ordinary course of business, for which they have received and may continue to receive customary fees and commissions. However, except as disclosed in this prospectus supplement, we have no present arrangements with the placement agent for any further services.

S-9

Table of Contents

PRIVATE PLACEMENT OF WARRANTS

In a concurrent private placement, we are selling to each of the investors in this offering for consideration of \$0.125 per underlying Warrant Share, a Warrant to purchase an additional 100% of the number of shares purchased in this offering by each such investor. The aggregate number of Warrant Shares exercisable pursuant to the Warrants is 1,985,082. The Warrants will be exercisable at an exercise price of \$1.3725 per share. The exercise price and number of Warrant Shares issuable upon the exercise of the Warrants will be subject to adjustment in the event of any stock dividend and split, reverse stock split, recapitalization, reorganization or similar transaction, as described in the Warrants.

Each Warrant shall be exercisable immediately upon the date of issuance and have a term of exercise equal to 5.5 years from the initial exercise date. A holder of Warrants will have the right to exercise the Warrants on a “cashless” basis in certain circumstances as described in the Warrants, including, among others, while there is no effective registration statement registering the Warrant Shares issuable upon exercise of the Warrants. Subject to limited exceptions, a holder of Warrants will not have the right to exercise any portion of its Warrants if the holder, together with its affiliates, would beneficially own in excess of 4.99% of the number of shares of our common stock outstanding immediately after giving effect to such exercise, provided that the holder may increase or decrease the beneficial ownership limitation up to 9.99%, provided, further, that any increase in the beneficial ownership limitation shall not be effective until 61 days following notice of such change to the Company. In addition, in certain circumstances, upon a fundamental transaction, the holder will have the right to require us to repurchase its common warrants at their fair value using the Black Scholes option pricing formula; provided, however, such holder may not require us or our successor entity to repurchase the common warrants for the Black Scholes value solely in connection with a fundamental transaction that is not approved by our board of directors, and therefore not within our control.

The Warrants and the Warrant Shares are not being registered under the Securities Act pursuant to the registration statement of which this prospectus supplement and the accompanying base prospectus form a part and are not being offered pursuant to this prospectus supplement and the accompanying base prospectus. The Warrants and the Warrant Shares are being offered pursuant to the exemption provided in Section 4(a)(2) of the Securities Act and Rule 506(b) promulgated thereunder. All purchasers are required to be “accredited investors” as such term is defined in Rule 501(a) under the Securities Act.

LEGAL MATTERS

The validity of the securities offered hereby is being passed upon for us by Garvey Schubert Barer, P.C.

EXPERTS

Our consolidated financial statements for the years ended December 31, 2017 and 2016, incorporated by reference into this prospectus supplement, 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 INFORMATION BY REFERENCE

The SEC allows us to “incorporate by reference” information into this prospectus supplement. This means that we can disclose important information to you by referring you to other documents we have filed separately with the SEC, without actually including the specific information in this prospectus supplement. The information incorporated by reference is considered to be part of this prospectus supplement, and information that we file later with the SEC (and that is deemed to be “filed” with the SEC) will automatically update, and may supersede, information in this prospectus supplement.

our Current Reports on Form 8-K filed on July 2, 2018, July 17, 2018, October 2, 2018; and October 30, 2018;

S-10

Table of Contents

our Quarterly Reports on Form 10-Q for the quarters ended March 31, 2018 and June 30, 2018;

our Annual Report on Form 10-K for the year ended December 31, 2017;

our preliminary Proxy Statement on Schedule 14A filed on October 10, 2018; 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.

All reports and other documents subsequently filed by us pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act after the date of this prospectus supplement and prior to the termination or completion of the offering of securities under this prospectus supplement shall be deemed to be incorporated by reference in this prospectus supplement and to be a part hereof from the date of filing such reports and other documents.

To obtain copies of these filings, see “Where You Can Find More Information” on page S-11 of this prospectus supplement.

WHERE YOU CAN FIND MORE INFORMATION

This prospectus supplement and the accompanying prospectus are part of the registration statement on Form S-3 we filed with the SEC under the Securities Act and do not contain all the information set forth in the registration statement. Whenever a reference is made in this prospectus supplement and the accompanying prospectus to any of our contracts, agreements or other documents, the reference may not be complete and you should refer to the exhibits that are a part of the registration statement or the exhibits to the reports or other documents incorporated herein by reference for a copy of such contract, agreement or other document. Because we are subject to the information and reporting requirements of the Exchange Act, 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 at 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.

We make available free of charge on our website our annual, quarterly and current reports, including amendments to such reports, as soon as reasonably practicable after we electronically file such material with, or furnish such material to, the SEC. Please note, however, that we have not incorporated any other information by reference from our website, other than the documents listed under the heading “Incorporation of Certain Information by Reference” on page S-10 of this prospectus supplement. In addition, you may request copies of these filings at no cost by writing or telephoning us at the following address or telephone number:

China Recycling Energy Corporation

124/F, Tower C

Rong Cheng Yun Gu Building

Keji 3rd Road, Yanta District

Attn: Adeline Gu, Chief Financial Officer and Corporate Secretary

+86-29-8769-1097

S-11

Table of Contents

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 9 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 December 8, 2017.

Table of Contents

TABLE OF CONTENTS

	Page
<u>ABOUT THIS PROSPECTUS</u>	ii
<u>THE COMPANY</u>	1
<u>RISK FACTORS</u>	9
<u>FORWARD-LOOKING STATEMENTS</u>	10
<u>USE OF PROCEEDS</u>	10
<u>DESCRIPTION OF CAPITAL STOCK</u>	10
<u>DESCRIPTION OF COMMON STOCK</u>	10
<u>DESCRIPTION OF PREFERRED STOCK</u>	11
<u>DESCRIPTION OF WARRANTS</u>	12
<u>DESCRIPTION OF UNITS</u>	13
<u>PLAN OF DISTRIBUTION</u>	14
<u>LEGAL MATTERS</u>	15
<u>EXPERTS</u>	15
<u>INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE</u>	15
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	16

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.

i

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.

Table of Contents

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.

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”).

Table of Contents

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.

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.

Table of Contents

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.

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.

Table of Contents

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.

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

Table of Contents

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.

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.

Table of Contents

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.

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.

Table of Contents

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.

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.

Table of Contents

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.

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.

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.

Table of Contents

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;

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

Table of Contents

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.

Table of Contents

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.

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;

Table of Contents

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.

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

1,985,082 Shares of Common Stock

CHINA RECYCLING ENERGY CORPORATION

Prospectus Supplement

H.C. Wainwright & Co.

October 29, 2018