

For Immediate Release

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GCL Silane-based FBR Polysilicon Capacity has commenced production in scale

(November 30, 2014 Hong Kong) GCL-Poly Energy Holdings Limited (GCL or the Group, Stock Code: 3800) is pleased to announce that, since September 2014, the trial production of the first phase of silane-based Fluidized Bed Reactor (FBR) polysilicon production, with projected total capacity of 25,000 metric tonnes, has reached operating levels in compliance with the design specifications.

The silane-based polysilicon process with the new FBR technology was developed by Jiangsu Zhongneng Polysilicon Technology Development Co., Ltd, a subsidiary of GCL, and also involves establishing the world's largest silane gas production system. The operating FBR reactor has an annual capacity of 3,000 metric tonnes and is currently one of the world's largest FBR systems using a single reactor. Each reactor has a production capacity of 400 kilograms per hour. The current trial production run has passed through the complete production flow process and the quality of the continuous flow granular silicon production has reached the electronic grade level with a total energy consumption of 25 kWh/Kg, in which energy consumption of the reactor is only of 2 kWh/Kg. As such, the projected production cost of the new FBR capacity will be significantly lowered as compared with polysilicon produced under the Modified-Siemens Method.

The President of GCL, Mr. Shu Hua indicated that the company business has maintained a robust growth in the fourth quarter with its Modified-Siemens

polysilicon capacity reaching full utilization. In the future, the company plans to scale up the output of granular silicon produced by the silane-based FBR process which should further lower the production costs and energy consumption while enhancing the quality of the polysilicon product. The high-quality silane-based FBR process with an estimated capacity of 25,000 metric tonnes is expected to be completed by the end of 2015. The company will also further expand total production potential by de-bottlenecking the existing Modified-Siemens process, with a target to increase total capacity to 100,000 metric tonnes.

About GCL-Poly Energy Holdings Limited (stock code: 3800.HK)

GCL-Poly Energy Holdings Limited is the world's leading polysilicon and wafer supplier as well as a top green energy investor and power plant operator. The product quality of the Group's polysilicon has reached electronic grade level since 2010. The Group ramped up its annual polysilicon production capacity to 65,000 metric tonnes at the end of 2011 and its wafer production capacity reached 12 GW at the end of 2013. Moreover, for the solar system integration business, the Group is devoting all its efforts to providing solar farm investors with a one-stop solar system solution from project development, engineering, procurement, construction, financing to operation and management.

For more information about GCL-Poly, please visit the company's website at www.gcl-poly.com.hk.

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