

International Conference on

RENEWABLE ENERGY AND RESOURCES

July 24-25, 2017 Vancouver, Canada

Preliminary study of the wind and solar energy in China

Tianhao Li

The Experimental High School Attached To Beijing Normal University, China

Utilizing renewable energy is an important approach to conserve resources, reduce pollutant emission and improve air quality. Wind energy and solar energy are important components of renewable energy. In this presentation, the author put forth his opinion on the development of wind and solar energy in China. The government supports the development of renewable energy, having enacted related laws, launched a series of policies and worked out long-term planning; the scale of wind power and photovoltaic power is in a rapid growth; wind power and photovoltaic industry play an important role in reducing the consumption of coal, restraining pollutant discharging, such as carbon dioxide and at the same time contribute to comprehensive resource utilization. Power enterprises' main cost of investment is electric equipments, which is in a downward trend in recent years. Power enterprises sometimes cannot take full advantage of capacity and result in wind and solar curtailment. Government offers subsidy of on-grid power tariff, but on-grid power tariff is declining, lowering the earnings of investors. The market competitions of photovoltaic and wind power industry are intense as well. The unit cost of renewable energy industry, especially photovoltaic and wind power is reducing and technical progress increases the efficiency of electricity generation at the same time. Although subsidy of on-grid power tariff is declining and market competition is fierce, wind farm and photovoltaic enterprises are still making profit. Renewable energy only accounts for a very small percentage of whole energy consumption but it has great potential in China, able to reduce pollutant emission and realize comprehensive utilization of resources. National policies have great influences on industry development, thus the government should guide and support the development of renewable energy.



Biography

Tianhao Li is currently a student of Experimental High School Attached to Beijing Normal University. He is concerning about environmental protection and energy development. He uses his spare time to investigate and survey wind power and photovoltaic corporation; understanding how macroeconomic environment, technology and market factors affect corporations.

litianhao200018@sina.com

Notes: