

# REVIEW AND OUTLOOK ON CHINA RENEWABLE ENERGY

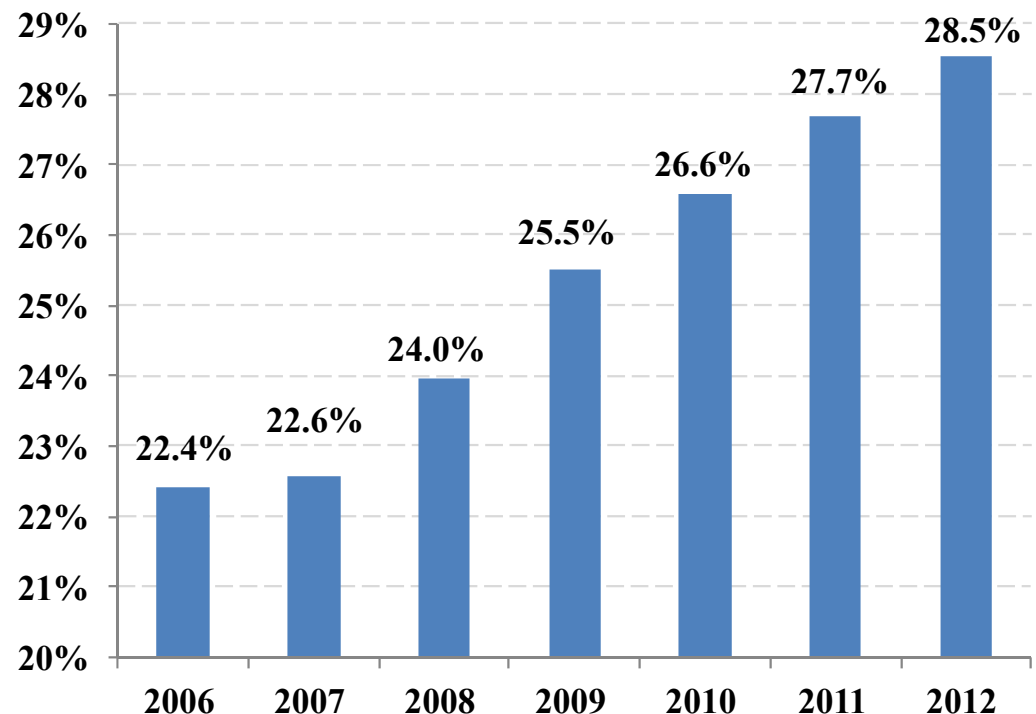
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Chinese Renewable Energy Industries Association  
National Center for Climate Change Strategy and International Cooperation

## Renewable Energy Market in China

- China's renewable energy market has experienced rapid growth due to continuously growing demand and effective policy support.
- In 2012, China's renewable power capacity reached 330GW, accounted for 28.8% of total power capacity added this year.
- In 2012, Renewable electric generating capacity exceeded 1.06 trillion kwh, made up 21.3% of total electric generating capacity added from all sources.

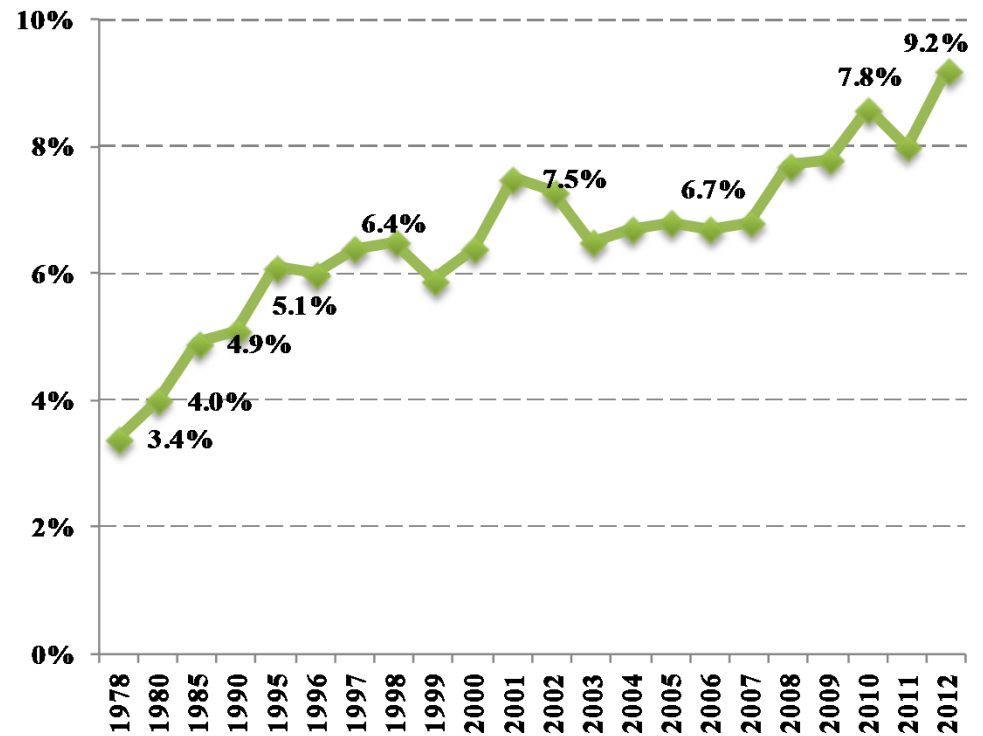
2006-2012 China's renewable energy share of total power installed capacity



## Renewable Energy Market in China

- In 2012, renewables made an estimated 9.2% of total primary energy consumption in China.
- In 2012, wind power generating capacity reached 100 billion kwh.
- Wind overtakes nuclear and becomes China's 3rd largest energy source.

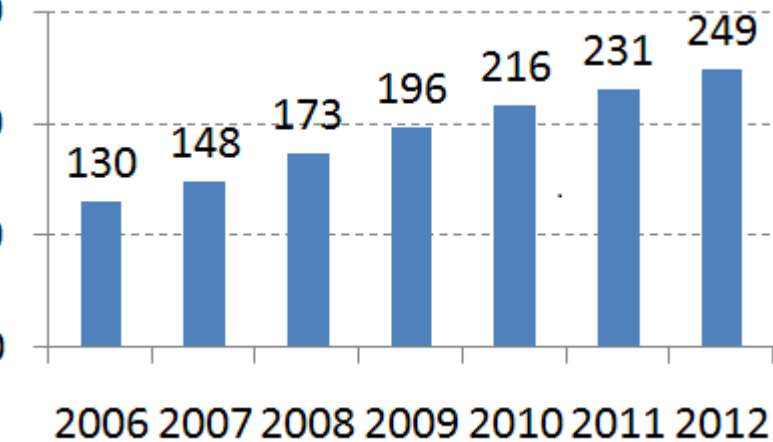
1978-2012 China's renewable energy share of total final energy use



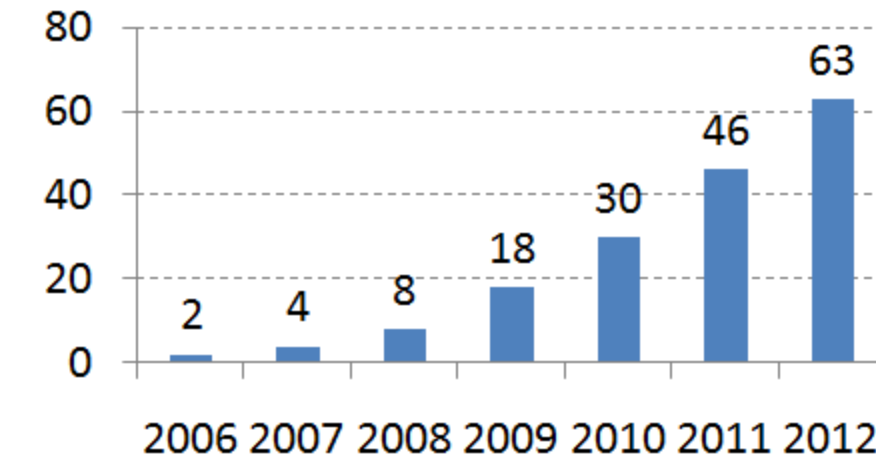
## Renewable Energy Market in China

The accumulated capacity of hydro, wind and solar pv as major renewable power sources are shown in the following charts.

2006-2012 Hydro power accumulated capacity



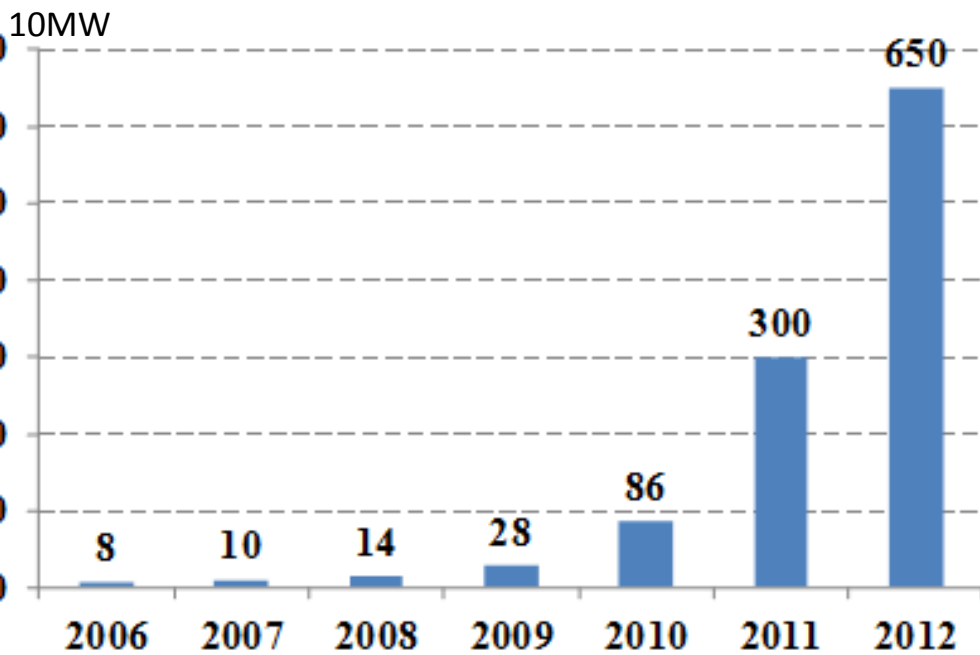
2006-2012 Wind power accumulated capacity  
GW



## Renewable Energy Market in China

The accumulated capacity of hydro, wind and solar pv as major renewable power sources are shown in the following charts.

2006-2012 PV power accumulated capacity

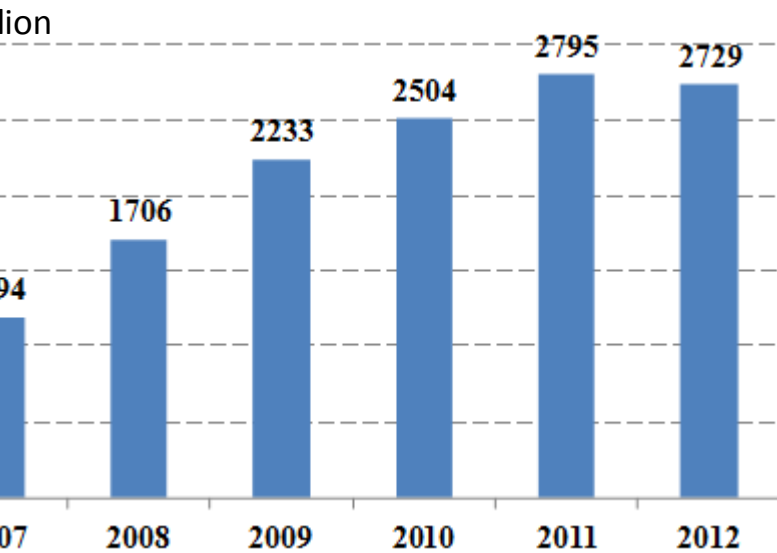


## Renewable Energy Investment in China

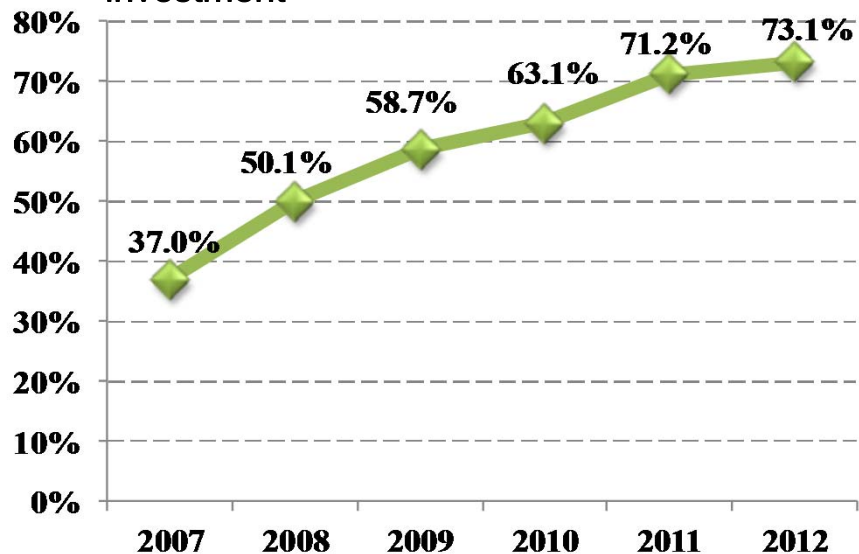
Renewable power investment grew rapidly in recent years, with an average annual growth rate of 18%.

In 2012, renewable power investment reached 272.9 billion Yuan, accounted for 73.1% of the country's total power investment.

2007-2012 Investment in renewable energy



2007-2012 Renewables' share of total power investment



's 12th Five-Year Plan : Renewable Energy is targeted to reach 33% of total  
ic power capacity by 2015, hydro and wind still dominating

ydro

- Installed capacity of **331GW**, up from 211GW in 2010.

Wind

- Installed capacity of **100GW**, with annual electricity generation over 190 billion kwh.
- 15GW off-shore

Solar

- PV Power: Installed capacity of **35GW**, including both large-scale and distributed power plants.
- CSP: Installed capacity of **1GW** by 2015.

omass

- **13GW** Installed capacity by 2015, with annual electricity generation over **7.8 billion kwh**.

# REN21 SUPPORTED CHINA'S RE DEVELOPMENT

CHINESE RENEWABLE ENERGY  
INDUSTRIES ASSOCIATION

## REN21's Contribution to China's Renewable Energy Development

REN21 supported the 2005 Beijing International Renewable Energy Conference, through which Chinese government made strong commitment to renewable energy development.

REN21 contributed to China's Renewable Energy Law through consultation.

REN21 contributed to China's renewable energy strategy making through consultation.

With Renewables Global Status Report, Ren21 facilitated knowledge exchange and experience sharing among key actors, and promoted joint efforts towards a transition to renewable energy in countries like China.



**THANK YOU**

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