

# Interpretation of Policy and Plan for Rural Energy Development in China

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- Why
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# Government's great attention

- Rural energy development had been concerned and supported by each of Chinese Leader;
- Chinese government had always considered that rural energy development is an important part of rural environmental protection, agricultural resources recycling, farmers' lives improvement and national energy security;
- Rural energy could play an important role of poverty alleviation especially in the remote and poor areas.





“I was an biogas expert”



President Xi Jinping, who worked as a farmer in 1974, led the villagers of Liang Jia He to build the first biogas digester in Shaanxi Province.





## A series of laws and regulations

### □ Incentive

- ***Renewable Energy Law***, issued in 2005 and revised in 2009;
- ***Energy Conservation Law***, issued in 1997 and revised in 2007;
- ***Energy Law***, preparing and discussing now, in which Uni Rural Energy will be one of the special chapter.

### □ Restrictive

- ***Environmental Protection Tax Law***, issued in 2016 and will be implemented in 2018,



## Targets at different stages

### □ *Renewable Energy Medium and Long Term Development Plan (2006-2020)*

- **Renewable energy will account for 15% by 2020 and 20% by 2030 of the total national energy consumption respectively, as well as the national pollutant emissions will reach its peak before end of 2030.**

### □ *13th Five-Year Plan of Biomass Energy Development (2016-2020)*

- **By 2020, the annual utilization of biomass energy will be 58 million tons of standard coal, among which biomass briquettes will be 30 million tons and generation capacity will be 15 million kW with annual power 90 billion kWh.**



## Targets at different stages

### □ *13th Five-Year Plan of National Biogas Development (2016-2020)*

- **By 2020, 172 bio-natural gas projects and 3150 large-scale biogas, as well, 25,500 small and medium-sized biogas projects will be built, with new 50 billion m<sup>3</sup> biogas production capacity.**

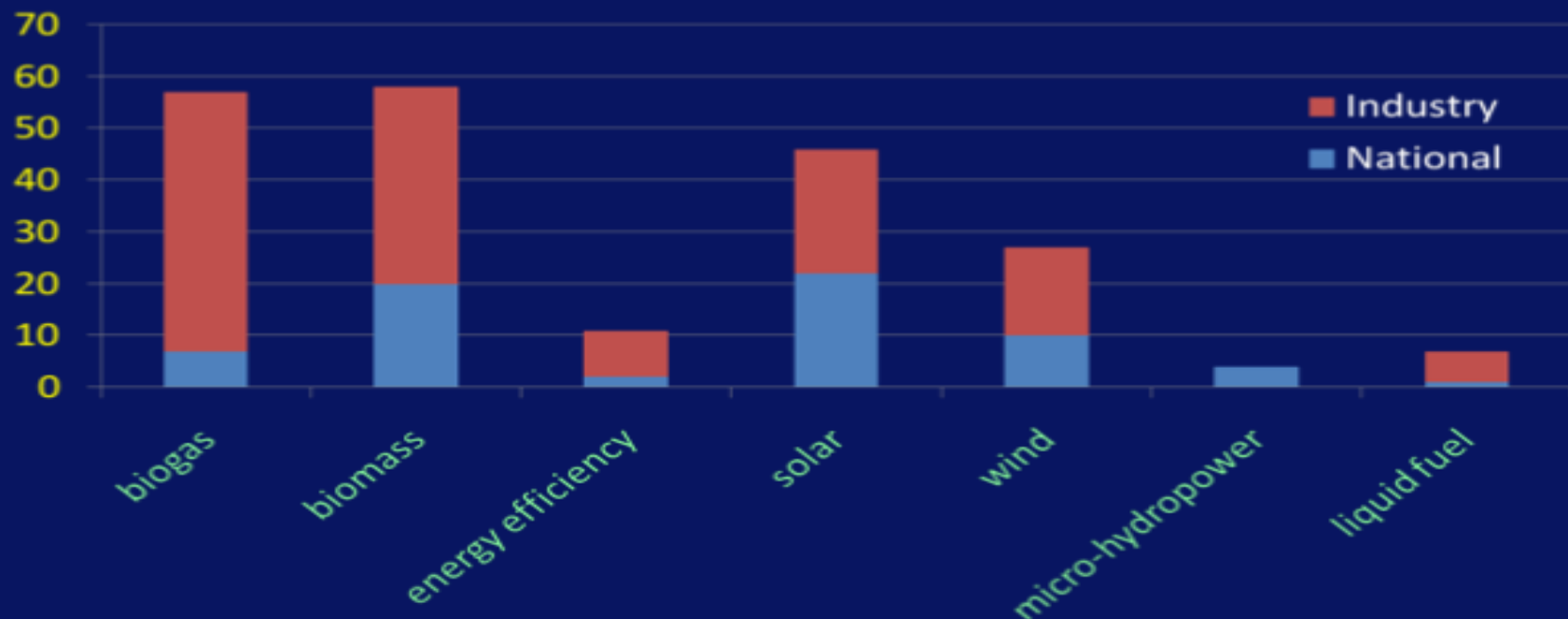
Unit: 10<sup>4</sup> TEC

### □ *National Clean Cook/Heating Stove Programme*

- **From 2014 to 2020, more than 40 million new clean cook/heating stoves will be installed, with 40% contribution of the Global Alliance for Clean Cookstoves, GACC by 2020.**



# Standard system establishment

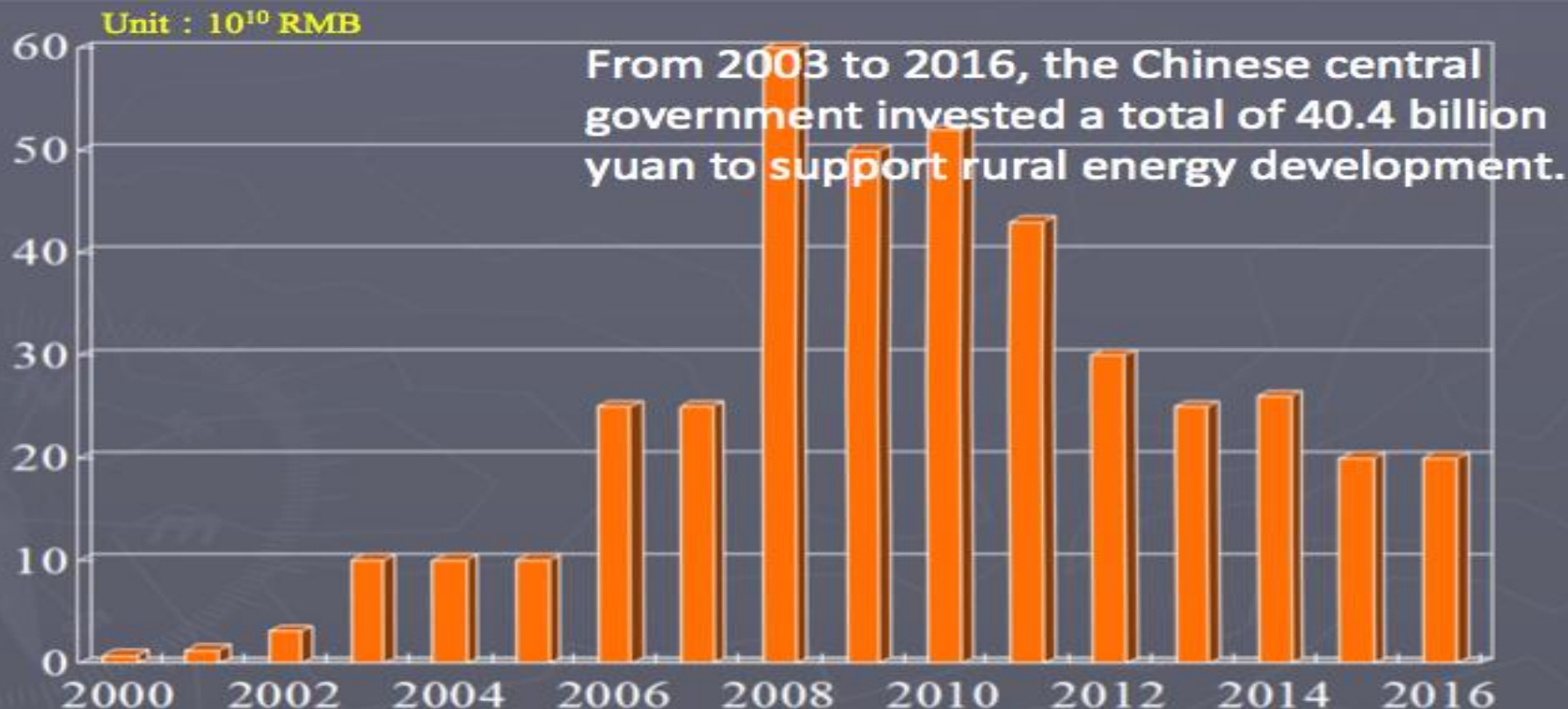


At end of 2016, 215 standards on different fields of rural has been issued and implemented.





# Continuous investment



Rural households have 41.93 million biogas digesters, with an annual output of 12.32 billion cubic meters of biogas.



There are 11.1 million projects of all kinds, among which there are 7,700 large-sized projects, 10.5 thousand medium-sized projects, 93.4 thousand small-sized projects. The annual output is 2.53 billion cubic meters, supplying 1.96 million households and generating power 569 million kWh.





- ✓ 115 million firewood-saving stove;
- ✓ 31.53 million efficient low-emission and energy-saving furnace;
- ✓ 18.58 million energy-saving Kang.



# Clean kitchen





# Happy house wife





# Sanitary toilet





# Conclusions and suggestions

- ✓ The regulation and policy is the most important issue for rural energy sustainable development, as well as the clear objectives;
- ✓ We would like to share our experiences on not only policy, technology and standard but also products, equipments and human resources with all the developing countries on south-south cooperation platform;
- ✓ We also would like to find further cooperation opportunities with all the international agencies.





*Thanks for your attention*

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