



Update of China for Energy Efficiency and Conservation

China National Institute of Standardization

2021—05

Background

► Transform

- “energy revolution”, “fight against pollution” and the transition towards a service-based economic model.

► EE+low emission

- Energy saving and low emission provide the solution - consuming less energy to produce the same or more output.

► Strategy

- the “dual circulation” strategy

► Target

- carbon neutrality before 2060

Long Term Objectives for 2035:

- ▶ **Develop and Expand Strategic Emerging Industries:** The country would develop hydrogen energy, energy storage and other cutting-edge technology and industrial transformation fields; implement future industry incubation and acceleration plans; plan for future industries.
- ▶ **Construct a Modern Energy System:** The country would accelerate the development of non-fossil energy; improve the development scale of centralized and distributed wind and photovoltaic power; accelerate the growth of distributed energy in the eastern and central regions; develop offshore wind power in an orderly manner.
- ▶ **Increase the share of non-fossil energy in total energy consumption to around 20% by 2025.**

14th FYP Outlook

- ▶ Target: Build an energy sector that is **clean, low-carbon, safe, and efficient** for China and the vision of ecological civilisation
 - ▶ The 14FYP targets a 13.5 percent reduction of energy intensity and an 18 percent reduction in carbon dioxide intensity by 2025
 - ▶ The 14FYP sets a target for 20 percent nonfossil fuel usage
 - ▶ The 14FYP targets 70 GW of nuclear energy capacity by 2025, up from 52 GW in current capacity, accounting for 4.8 percent of China's overall energy production and 11.7 percent of global nuclear capacity
 - ▶ The 14FYP calls for development of new energy and new energy vehicles as well as the "intelligent transformation of power grid infrastructure"
 - ▶ financial support for new energy companies in the forms of loans and subsidies. China's Ministry of Finance increased renewable power subsidies to \$905.7 million for 2021, up 4.9 percent from 2020



Thank you!