

2021 Power Cuts and Causes

- In Dec 2020 and again in September 2021, power cuts occurred in parts of China.
- The events are reported to have multiple causes:
 - oThermal coal shortage, high coal prices, and the lack of flexibility of wholesale electricity prices.
 - Rapid growth in electricity demand relative to power supply.
 Financial losses at thermal plants led directly to curtailed output in regions with high coal prices.
 - Lack of flexible power generation capacity and peak resource hampered the ability of the power system to deal with short-term power crunch.
 - Load management to meet government mandatory dual energy control targets.



New Measures Adopted to Address the Problem

- Immediate steps to ease restrictions on coal production and coal power generation.
- Increase renewable energy consumption.
- Address geographical mismatch between supply and demand that leads to difficulty absorbing renewable energy locally.
- Enhance the flexibility of the power system.
- Further reform of the electricity market.



Important to Make Further Policy and Market Changes

- Speed up the development and enhance harmonization of spot markets.
- Strengthen the connection and coordination of different market systems.
- Continue to reform electricity tariffs in the non-business sector.
- Focus on diversified non-coal resources when increasing power system flexibility.







THANK YOU!



