

Can China improve the efficiency of power grid industry?

China has carried out a series of regulatory reforms in the power grid network industry in the past decade, but not all the people believe that they have improved the efficiency of grid industry. The increasing renewable energy, as well as more frequently observed extreme weather have brought great challenges to the operation of grid firms.

Can China's offshore wind power achieve grid parity in time?

Can China's offshore wind power achieve grid parity in time?: International Journal of Green Energy: Vol 18 , No 12 - Get Access Can China's offshore wind power achieve grid parity in time? Facing an increasing financial burden and declining costs, China plans to phase out supporting policies for renewable energy before 2030.

Does reform affect the efficiency of provincial grid utilities in China?

Stochastic frontier analysis (SFA), which has the advantage of separating deviations from inefficiency and statistical noise, is proposed for investigating the impact of reform, renewables and weather heterogeneities on the efficiency of 30 provincial grid utilities in China from 2010 to 2019.

Why did RI change the weight of the power system reform index?

In later models, the weight of the comprehensive pilot project of power system reform was changed. The reason for changing the weight of the index is that it can represent the overall process and synergy of power system reform. As shown in Table 3, RI in RIRWE1 gives each sub-index the same weight of 25%.

Can grid upgrading promote a low-carbon transition?

Whether grid upgrading in China, centered on building trans-regional transmission lines, can promote a low-carbon transition in the power sector is controversial. Since there is no precedent to follow, various countries are interested in learning from China's experience.

What are the efficiencies of grid firms?

In the models considering the reform index (the reform implementation index), renewable energy, and weather heterogeneity, the efficiencies of grid firms center around 0.98. In contrast, the efficiencies with no heterogeneity considered concentrate at 0.93 with a flat peak.

Fundamental reform to the connections process is welcome, but the queue must be addressed first. The ESO's "GB Connections Reform" is developing an entirely new process for managing new connections, based on ...

Ofgem's role in grid reform. Ofgem, the UK's energy regulator, is also playing a key role in shaping the future of grid connections. In May 2023, Ofgem outlined future reforms ...

