



# Solar power generation west-to-east transmission

How much power does the 'west to East transmission' project share?

The transmission capacity of the northern, central, and southern channels of the 'West to East Power Transmission' project reached 25.5, 17.5, and 20.2 GW by the end of 2008, with thermal power sharing around 90% of the total (63.2 GW).

What is China's west-to-East power transmission program?

China has large deserts with abundant resources in solar and wind power. The construction of this project is another step forward for China's west-to-east power transmission program that balances the country's electricity supply and demand in different regions.

Will more solar power be installed in the west?

The sun is still shining in the West when it is setting in the East, creating a valuable power surplus to help with peak power at sunset. At present, most of the surplus generation in the West is wind. But going forward, the SPP's Nickell told me he expects more solar to be installed.

Does inter-provincial power transmission lead to a green energy transition?

We found that the inter-provincial power transmission has led to the reduction in the national average carbon intensity per electricity produced from 0.855 kg/kWh in 2006 to 0.628 kg/kWh in 2019 and the green energy transition of all provinces.

What is power generation and transmission in China?

In modern China, power generation and transmission are important parts of energy security and are subsumed under China's national plan and control.

How can inter-provincial power transmission improve China's green energy transition?

For more information on the journal statistics, [click here](#). Multiple requests from the same IP address are counted as one view. Inter-provincial power transmission in China solved the problem of electricity production and consumption spatial mismatch, which also facilitated Chinese green energy transition and sustainable development.



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