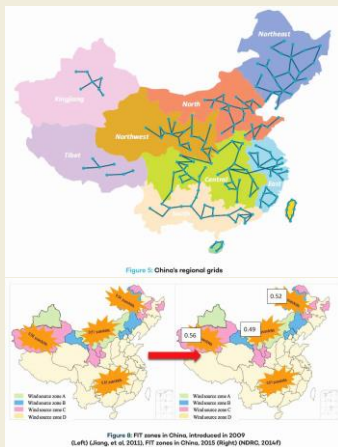


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WIND POWER IN CHINA: A CAUTIONARY TALE

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**Abstract**

China has become a world leader in the development of wind power over the past decade. A third of total global wind power is now located in China (GWEC, 2016), and the country has been an example of how to rapidly deploy renewables. This report looks into the dynamics that allowed it to occur in such a rapid way, including the policies and incentives that drove expansion and continue to do so. The report also looks at some of the unintended side effects of this rapid expansion—notably, issues of delayed connection and curtailment. The country has found itself, to some extent, a victim of its own success. The rapid growth that has made China a world leader in wind power has also created a situation in which this growth cannot be fully leveraged because the wind power available is either not fully connected to the grid, or it is connected but being curtailed by a lack of demand, or inadequate transmission connection between areas of supply and demand.(...) the paper also looks at the characteristics that led to these challenges of connection and curtailment. Finally, the paper looks at some of the ways in which China is addressing the issues of connection and curtailment going forward...

**Keywords**

wind energy • energy storage • local content requirements (LCR) • feed-in tariffs (FIT) • energy policy of China • electricity sector

**Companies and organizations mentioned in document**

Goldwind • Sinovel • United Power • Dongfang Electric • Mingyang Wind Power • Vestas • Gamesa • GE • Suzlon • Siemens • China's Renewable Energy Development Fund

**Countries and locations mentioned in document**

China

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