

Electricity import

In 2010, China imported 5.3 billion kWh of electricity. Of this, Heilongjiang imported 1 billion kWh of electricity from Russia, and Yunnan imported 1.7 billion kWh of electricity from Burma. Meanwhile, annual exports of electricity totalled 19.6 billion kWh. Of this, Guangdong exported 11 billion kWh of electricity to Hong Kong and a further 2.8 billion kWh to Macau, while Yunnan exported 5.5 billion kWh to Vietnam while Guangxi exported 110 million to Vietnam..

Trajectory 1

In this scenario, China's supply and demand of electricity is completely balanced; although local areas may need to import or export electricity, the overall amount of electricity

imported is equal to the amount of electricity exported.

Trajectory 2

In this scenario, electricity imports from Russia to China's Heilongjiang region see a substantial increase, with China becoming a net electricity importing country, importing 30 billion kWh in 2050.

Trajectory 3

In this scenario, China imports large amounts of electricity from Myanmar, and at the same time constructs an electricity transport network from Russia to Dongbei. In 2050, China imports 50 billion kWh of electricity.

Trajectory 4

China imports electricity from Mongolia, and China's net imports in 2050 reach 100 billion kWh.



China's imports and exports of electricity