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- The Chinese economy is still following an expansion mode of economic growth featuring high investment, high consumption, and high pollution experienced by some developed countries in the past.
- If the economy continues to grow with this pattern without switching to an intensive growth mode, domestic energy resources and solutions alone will no longer be able to support it. Even with the use of some foreign energy resources, it will still be difficult to sustain.



## China faces challenges in energy conservation

- In the BAU case, the government basically maintains its current policy through 2020 and thus China's primary energy needs are expected to total 3.3 billion tce.
- The first alternative, termed the "moderate case," is a scenario composed of relatively low-cost, moderate policy adjustments, cutting down energy demand to 2.9 billion tce. The second alternative, called the "advanced case," requires more vigorous policies and adjustments, further reducing energy consumption to 2.5 billion tce.











Enhancing China-Russia cooperation in energy development and conservation

- Russia is rich in oil and natural gas and is an exporter of these natural resources.
- Russia's oil reserves are estimated to account for 13% of total oil reserves in the world.
  Proven oil reserves in east Siberia alone are reported to stand at 17.5 billion tons.
- Russia's crude oil output accounts for 10% of global oil production.







Enhancing China-Russia cooperation in energy development and conservation

- The first phase of the pipeline will be completed by the end of 2008 with a capacity of pumping up 30 million tons of crude oil a year.
- Its construction brings opportunities to local economies as well as for deepened bilateral economic ties, and creates jobs in the Siberian region.



Enhancing China-Russia cooperation in energy development and conservation

> Russian Natural Gas Industry Company will build two pipelines to China, through which 68 billion cubic meters of gas will be transmitted from Russia to China every year.

The pipeline in the western part will go through West Siberia in Russia to Altay, and then connect to the pipeline of the west-to-east natural gas transmission project that stretches all the way to the coastal areas in China.













