
Chapter III Analysis on China's Electric Power Generation

3.1 The development of electric power Generation and current status

3.1.1 China's electric power generation in the past years

The growth rate of electric power generation increased to 11% from 5% during 1983-1988. The growth rates from 1990 to 1999 fluctuated below 10%. The shortage of electricity stimulated the rapid growth of electric power generation since 2000, and the growth rate reached 14.46% in 2004.

According to the National Bureau of Statistics of China, the electric power generation was 2130TWh in 2004, increased by 530TWh from 1600TWh of 2002, and almost equal to the total increase of 560TWh from 1994 to 2001.

Chart 3-1: China's Electric Power Generation, 1980-2004 (Unit: 100GWh)

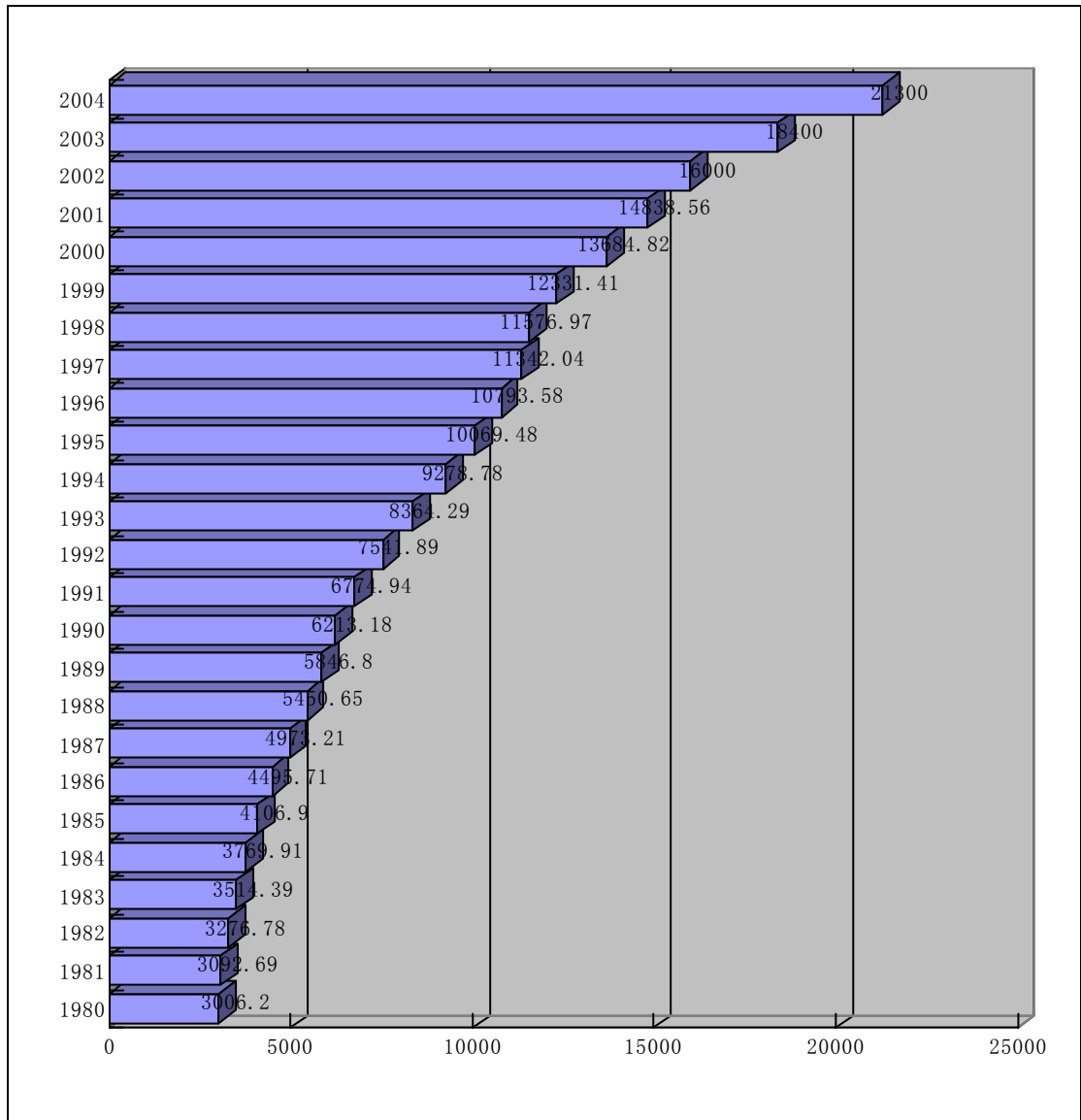
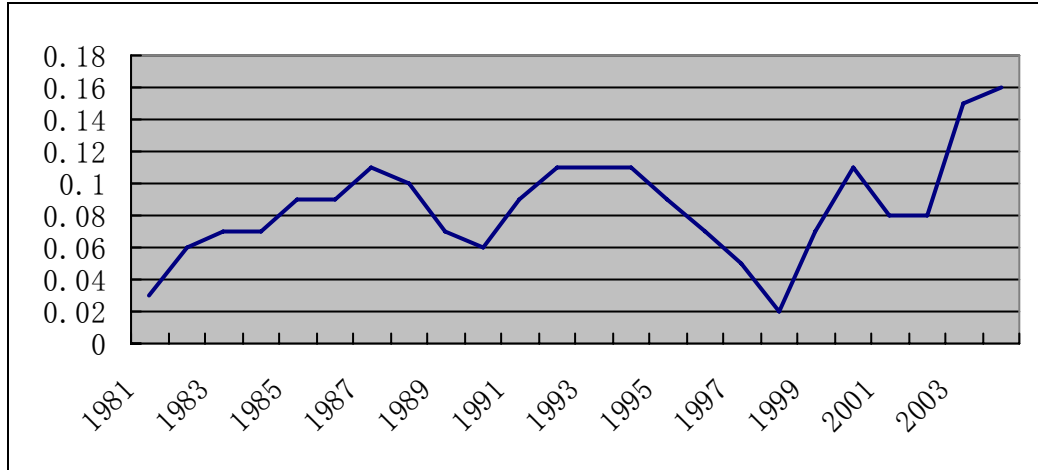


Chart 3-2: Growth of China's Electric Power Generation, 1980-2004

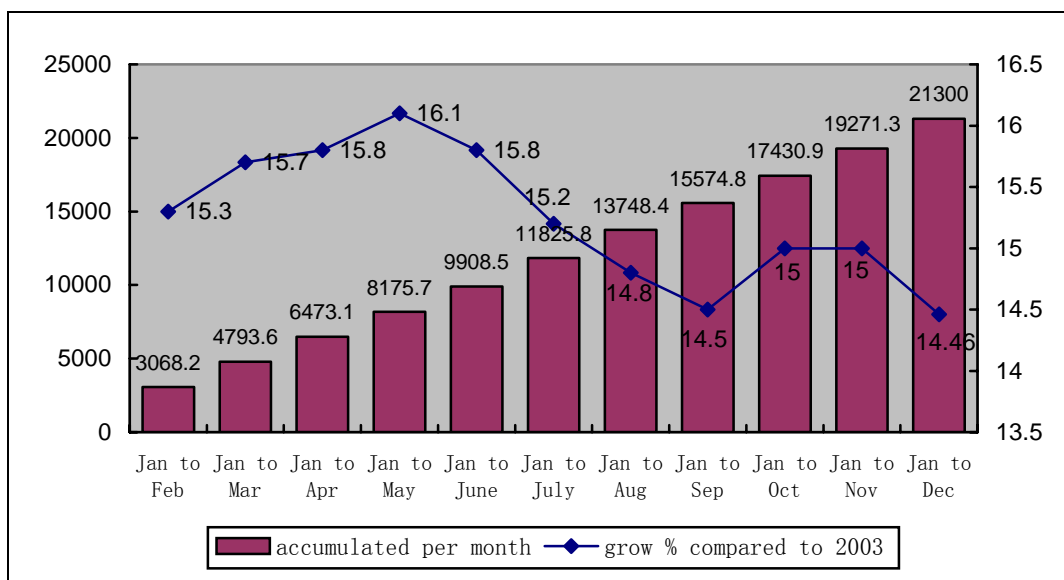


Source: National Bureau of Statistics of China

3.1.2 Analysis on electric power generation of 2004 by month

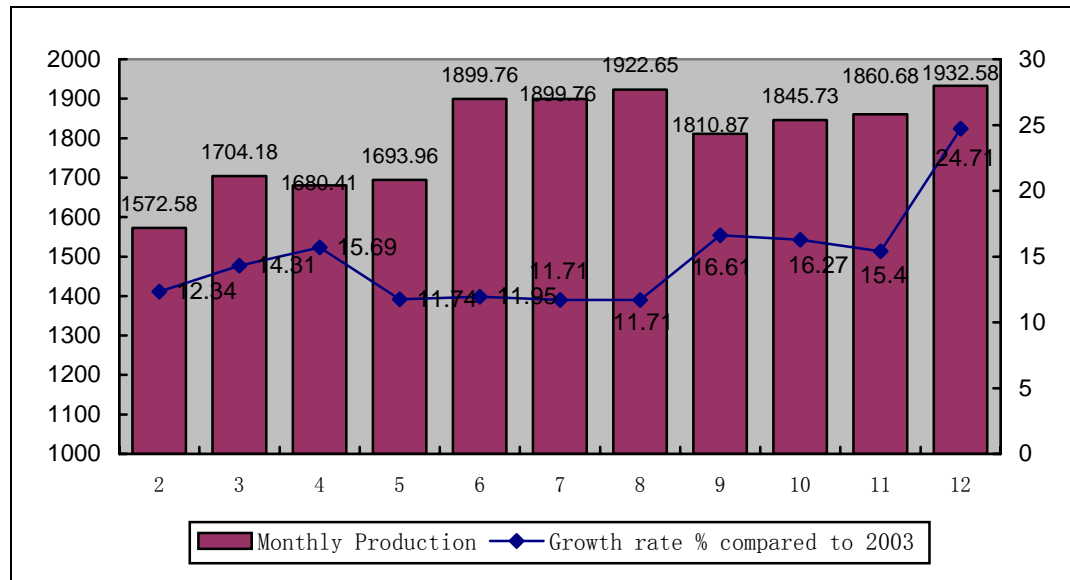
The electric power generation increased rapidly in every month of 2004, and the growth speed obvious varies with the seasons. The monthly electric power generation and the accumulated power generation are showed as follows:

Chart 3-3: Monthly Accumulated Electric Power generation and Growth Rate in 2004 (Unit: 100 GWh; growth rate: %)



Source: National Bureau of Statistics of China, 2005

Chart 3-4: Monthly Electric Power Generation and Growth Rate in 2004 (Unit: 100 GWh; growth rate: %)



Source: National Bureau of Statistics of China, 2005.

From the view of accumulated growth rate, the gross growth rate was over 10%, and the highest reached as many as 24.71% in 2004.