



Market News

9 November 2009

The Overview of China Electricity Industry, Jan – Sep 2009

1. Power Consumption Market

From Jan to Sep 2009, the national society power consumption is 2663546GWh, an increase of 1.40%. The national society power consumption is 322408GWh in September, an increase of 10.24%.

From Jan to Sep 2009, the first industry power consumption is 72463GWh, an increase of 6.35%; second industry power consumption 1954941GWh, a decrease of 1.67% over the previous year; the electricity consumption of the tertiary industry is 293497GWh, an increase of 11.26%; urban and rural residential power consumption is 342646GWh, up 11.73%.

From Jan to Sep 2009, the national industrial consumption is 192726GWh, a decrease of 1.80%;. The electricity consumption of light and heavy industry fell 2.74% and 1.60% respectively

2. Power Generation Equipment

From Jan to Sep 2009, the power generating capacity of above-national-scale power plants is 2651089 GWh (see remark), up 1.9% over the previous year. Hydropower is 438819 GWh, up 9.4%; thermal power is 2130245 GWh, same as last year; nuclear power is 51648 GWh, up 1.3%.

3. Power Supply and Sales

From Jan to Sep 2009, the national grid power supply is 2378342 GWh, sales of electricity is 2230692 GWh, up 3.43% and 3.17% respectively over previous year.

4. National Cross-district, Cross-provincial Power Transmission and the Capacity of Import and Export Electricity

From Jan to Sep 2009, the total volume of cross-country power transmission is 93558 GWh; all provincial totally sent out 380.568 GWh of electricity, while 47226GWh are sent out this month. The total volume of import and export electricity is 16800GWh.

5. Completion of Major Technical and Economic Indicator



From Jan to Sep 2009, the accumulated average utilization hours of national total power generation equipment are 3352 hours, 283 hours lower than the same period of last year.

6. Electric Power Construction

From Jan to Sep 2009, investment in national power construction is RMB199.741 billion, hydropower is RMB43.849 billion; thermal power is 83.164 billion; nuclear power is 37.39 billion; and wind power is 34.473 billion. National new power capacity (Formal operational) is 4911.53 MW, while hydropower is 1209.74MW; thermal power is 3294.98MW; and wind power is 406.71MW. The total investment in power grid construction is RMB219.293 billion. Power grid construction of new 220 kV and above substation capacity reached 150.01 million KVA; wire length is 21,500 km.

Remarks:

1. Statistics of power generating capacity (excluding wind power generating capacity) are collected from the power plants, which are above-scale of National Bureau of Statistics. The statistical standards is inconsistent with the society power consumption;
2. The statistical standards for power generation equipment capacity, production economic indicators, wind power generating capacity are 6000 kilowatts and above power plants;
3. The power investment in Aug 2009 was corrected as follows: accumulated to RMB170.225 billion, including RMB170 38.1 billion of hydropower.

Breakdown of National Electricity Industry Production

Indicators	Unit	This month		Accumulated until this month	
			Vs previous year(+/-%)		Vs previous year(+/-%)
National Power generating capacity	100GWh	3203	9.5	26511	1.9
Included	100GWh	561	-3.7	4388	9.4
- Hydropower	100GWh				
- Thermal Power	100GWh	2540	12.3	21302	0.0
- Nuclear Power	100GWh	63	12.0	516	1.3
- Wind Power	100GWh	22	105.8	182	117.7
Capacity of 6000 KW and above power generation equipment	MW			80018	9.2
- Hydropower	MW			15551	14.1
- Thermal Power	MW			62203	7.2
- Nuclear Power	MW			908	
- Wind Power	MW			1333	88.8
National electricity coal consumption rate	G / kWh			341	-6
National wire loss rate	%			6.21	0.24
National heat supply	10000GJ			171981	-0.51
National consumption of raw coal for heat supply	Million tons			9895	-2.90
National society power consumption	100GWh	3224	10.24	26635	1.40
Included power consumption of	100GWh	84	8.13	725	6.35
- First industry	100GWh				
- Second industry	100GWh	2308	8.87	19549	-1.67
- Industrial consumption	100GWh	2273	8.76	19273	-1.80
- Light industry	100GWh	421	5.66	3392	-2.74
- Heavy industry	100GWh	1852	9.49	15880	-1.60
- Tertiary industry	100GWh	380	15.45	2935	11.26
- Urban and rural residential area	100GWh	453	13.67	3426	11.73

National Power Supply	100GWh			23783	3.43
National Power Sales	100GWh			22307	3.17
National electricity wire lost	100GWh			1477	7.57
The accumulated average utilization hours of national total power generation equipment	Hour			3352	-283
Included	Hour			2671	-180
- Hydropower	Hour			3515	-284
Total plant power consumption rate of the national electricity	%			5.88	0.04
Included	%			0.60	0.02
- Hydropower	%			6.68	0.05
Total investment in power infrastructure	Billion Yuan			1997	
Included	Billion Yuan			438	
- Hydropower	Billion Yuan			832	
- Thermal Power	Billion Yuan			374	
- Nuclear Power	Billion Yuan			345	
- Wind Power	Billion Yuan			2193	
Total investment in power grid construction	Billion Yuan			4912	
Capacity of new power generation equipment	MW			1210	
Included	MW			3295	
- Hydropower	MW			407	
- Thermal Power	MW			15001	
- Nuclear Power	MW			21500	
- Wind Power	MW				
capacity of new 220 KV and above substation equipment	10000 KVA				
Length of new 220 KV and above wire	KM				

Sources: Department of Statistics and Information, China Electricity Council
<http://www.cec.org.cn>