



Market News

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The Overview of China Electricity Industry, Jan – Nov 2009

From Jan to Nov 2009, the national industrial value-added growth rate is 10.3%, including 9.3% and 10.7% growth in light and heavy industry respectively.

1. Power Consumption Market

From Jan to Nov 2009, the national society power consumption is 3299078GWh, an increase of 4.77%. The national society power consumption is 328388GWh in November, an increase of 27.63%.

From Jan to Nov 2009, the first industry power consumption is 86985GWh, an increase of 8.09%; second industry power consumption 2437876GWh, an increase of 2.62% over the previous year; the electricity consumption of the tertiary industry is 357541GWh, an increase of 11.60%; urban and rural residential power consumption is 416677GWh, up 11.87%.

From Jan to Nov 2009, the national industrial consumption is 2403642GWh, an increase of 2.52%;. The electricity consumption of light and heavy industry fell 0.6% and raised 3.21% respectively.

2. Power Generation Equipment

From Jan to Nov 2009, the power generating capacity of above-national-scale power plants is 3291639GWh, up 5.2% over the previous year. Hydropower is 519589GWh, up 5.1%; thermal power is 2668328GWh, up 4.9%; nuclear power is 63811GWh, up 1.7%.

3. Power Supply and Sales

From Jan to Nov 2009, the national grid power supply is 2928200GWh, sales of electricity is 2750465GWh, up 5.74% and 5.51% respectively over previous year.

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

From Jan to Nov 2009, the total volume of cross-country power transmission is 111844GWh; all provincial totally sent out 477325GWh of electricity, while 42317GWh are sent out this month. The total volume of import and export electricity is 20803GWh.



5. Completion of Major Technical and Economic Indicator

From Jan to Nov 2009, the accumulated average utilization hours of national total power generation equipment are 4138 hours, 189 hours lower than the same period of last year.

6. Electric Power Construction

From Jan to Nov 2009, investment in national power construction is RMB282.703 billion, hydropower is RMB65.773 billion; thermal power is RMB118.693 billion; nuclear power is RMB47.936 billion; and wind power is RMB49.295 billion. National new power capacity (Formal operational) is 6902.81 MW, while hydropower is 1505.27MW; thermal power is 4876.18MW; and wind power is 520.45MW. The total investment in power grid construction is RMB288.518 billion. Power grid construction of new 220 kV and above substation capacity reached 191.02 million KVA; wire length is 26,509 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;

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	3234.09	26.9	32916	5.2
Included					
- Hydropower	100GWh	364.74	-23.3	5196	5.1
- Thermal Power	100GWh	2759.53	38.8	26683	4.9
- Nuclear Power	100GWh	55.09	2.7	638	1.7
- Wind Power	100GWh	34.54	95.8	244	114.3
Capacity of 6000 KW and above power generation equipment	MW			81416	9.6
- Hydropower	MW			15873	14.3
- Thermal Power	MW			63139	7.6
- Nuclear Power	MW			908	
- Wind Power	MW			1469	85.6
National electricity coal consumption rate	G / kWh			339	-6
National wire loss rate	%			6.07	0.21
National heat supply	10000GJ			216940	2.80
National consumption of raw coal for heat supply	Million tons			12508	1.99
National society power consumption	100GWh	3284	27.63	32991	4.77
Included power consumption of					
- First industry	100GWh	73	14.91	870	8.09
- Second industry	100GWh	2517	31.69	24379	2.62
- Industrial consumption	100GWh	2482	31.89	24036	2.52
- Light industry	100GWh	407	13.7	4183	-0.60
- Heavy industry	100GWh	2075	36.15	19853	3.21
- Tertiary industry	100GWh	321	16.09	3575	11.60
- Urban and rural residential area	100GWh	372	15.93	4167	11.87

National Power Supply	100GWh			29282	5.74
National Power Sales	100GWh			27505	5.51
National electricity wire lost	100GWh			1777	9.44
The accumulated average utilization hours of national total power generation equipment	Hour			4138	-189
Included	Hour			3165	-318
- Hydropower	Hour			4377	-130
- Thermal Power	Hour				
Total plant power consumption rate of the national electricity	%			5.88	0.04
Included	%			0.62	0.01
- Hydropower	%			6.67	0.04
- Thermal Power	%				
Total investment in power infrastructure	Billion Yuan			2827	
Included	Billion Yuan			658	
- Hydropower	Billion Yuan			1187	
- Thermal Power	Billion Yuan			479	
- Nuclear Power	Billion Yuan			493	
- Wind Power	Billion Yuan				
Total investment in power grid construction	Billion Yuan			2885	
Capacity of new power generation equipment	MW			6903	
Included	MW			1505	
- Hydropower	MW			4876	
- Thermal Power	MW				
- Nuclear Power	MW				
- Wind Power	MW			520	
capacity of new 220 KV and above substation equipment	10000 KVA			19102	
Length of new 220 KV and above wire	KM			26509	

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