

Monthly Statistics of China Power Sector (Jan-Nov 2021)

Indicator	Unit	Nov			Jan-Nov		
			YOY		YOY		
			%		%	±	P.P.
Electricity Generation	TWh	654.0	0.2	7,382.7	9.2		
-- Hydro	TWh	90.1	-1.9	1,113.4	-2.2		
-- Thermal	TWh	464.5	-2.5	5,222.7	9.9		
-- Nuclear	TWh	33.6	4.1	370.2	11.9		
Total Electricity Consumption	TWh	671.8	3.1	7,297.2	11.4		
-- Primary Industry	TWh	7.8	14.0	91.9	18.1		
-- Secondary Industry	TWh	476.5	0.8	5,025.5	10.2		
Including: Industrial	TWh	467.9	0.8	4,932.0	10.2		
-- Tertiary Industry	TWh	105.8	8.7	1,300.8	19.0		
-- Residential	TWh	81.7	9.5	1,079.0	7.5		
Installed Generation Capacity (Year To Date)	GW			2,321.00	9.0		
-- Hydro	GW			387.98	5.5		
-- Thermal	GW			1,286.81	3.5		
-- Nuclear	GW			53.26	6.8		
-- Wind	GW			304.86	29.0		
--Solar	GW			287.47	24.1		
Average Coal Consumption of Power Supply	g/kWh			303.7		-0.5	
Line Loss	%			4.95			-0.28
Heat Supply	TJ			4,801,380	6.8		
Coal Consumption for Heat Supply	Mt			279.11	9.3		
Electricity Supply	TWh			659.07	11.8		
Electricity Sales	TWh			626.46	12.2		
Power Equipment Average Utilization Hours	Hours			3,483		87	
-- Hydro	Hours			3,428		-199	
-- Thermal	Hours			4,018		277	
-- Nuclear	Hours			7,102		356	
-- Wind	Hours			2,031		119	
--Solar	Hours			1,194		-9	
Auxiliary Power Rate	%			4.5			-0.1
-- Hydro	%			0.3			0.00
-- Thermal	%			5.8			-0.1
Power Generation Projects Investment	Billion CNY			430.6	3.6		
-- Hydro	Billion CNY			84.8	-5.1		
-- Thermal	Billion CNY			53.2	18.9		
-- Nuclear	Billion CNY			43.1	51.4		
-- Wind	Billion CNY			198.2	-7.9		
--Solar	Billion CNY			51.3	34.9		
Power Grid Projects Investment	Billion CNY			410.2	4.1		
Newly Installed Generation Capacity	GW			122.54		20.50	
-- Hydro	GW			19.38		8.59	
-- Thermal	GW			39.93		0.58	
-- Nuclear	GW			3.40		2.28	

-- Wind	GW			24.70		0.80	
--Solar	GW			34.83		8.93	
Newly Added Substation Equipment Capacity (AC 220 kV and above)	GVA			193.95		2.35	
Newly Added Transmission Line Length (>220 kV)	km			26,496		-2,480	

Source: NEA, NBS