

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

Indicator	Unit	July			Jan-July			
			YOY %			YOY		
						%	±	P.P.
Electricity Generation	TWh	758.6	9.6	4,645.0	13.2			
-- Hydro	TWh	142.2	-4.3	624.7	-0.1			
-- Thermal	TWh	524.0	12.7	3,353.7	14.7			
-- Nuclear	TWh	38.2	14.4	233.3	13.8			
Total Electricity Consumption	TWh	775.8	12.8	4,709.7	15.6			
-- Primary Industry	TWh	10.2	20.0	55.3	20.5			
-- Secondary Industry	TWh	506.8	9.3	3,167.8	15.3			
Including: Industrial	TWh	497.2	9.2	3,109.9	15.2			
-- Tertiary Industry	TWh	142.2	21.6	813.2	25.1			
-- Residential	TWh	116.6	18.3	673.3	6.6			
Installed Generation Capacity （Year To Date）	GW			2,272.06	9.4			
-- Hydro	GW			381.43	4.9			
-- Thermal	GW			1,272.63	3.7			
-- Nuclear	GW			53.26	9.2			
-- Wind	GW			293.10	34.4			
--Solar	GW			271.10	23.6			
Average Coal Consumption of Power Supply	g/kWh			303.0		-1.0		
Line Loss	%			4.8			-0.3	
Heat Supply	TJ			3,283,280	9.7			
Coal Consumption for Heat Supply	Mt			192.22	10.6			
Electricity Supply	TWh			411.06	16.7			
Electricity Sales	TWh			391.28	17.1			
Power Equipment Average Utilization Hours	Hours			2,212		130		
-- Hydro	Hours			1,933		-69		
-- Thermal	Hours			2,589		268		
-- Nuclear	Hours			4,532		327		
-- Wind	Hours			1,371		98		
--Solar	Hours			780		3		
Auxiliary Power Rate	%			4.5			-0.2	
-- Hydro	%			0.3			0.01	
-- Thermal	%			5.8			-0.2	
Power Generation Projects Investment	Billion CNY			222.7	4.1			
-- Hydro	Billion CNY			53.7	21.1			
-- Thermal	Billion CNY			23.8	4.8			
-- Nuclear	Billion CNY			26.8	51.8			
-- Wind	Billion CNY			99.2	-10.8			
--Solar	Billion CNY			19.1	6.3			
Power Grid Projects Investment	Billion CNY			202.9	-1.2			
Newly Installed Generation Capacity	GW			68.25		14.16		
-- Hydro	GW			11.73		5.16		
-- Thermal	GW			22.47		-3.34		
-- Nuclear	GW			3.40		3.40		

-- Wind	GW			12.57		4.01
--Solar	GW			17.94		4.84
Newly Added Substation Equipment Capacity (AC 220 kV and above)	GVA			147.99		31.23
Newly Added Transmission Line Length (>220 kV)	km			21,223		2,145

Source: NEA, NBS