

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

Indicator	Unit	Aug			Jan-Aug		
			YOY		YOY		
			%		%	±	P.P.
Electricity Generation	TWh	738.3	0.2 -4	5,389.4	11.3		
-- Hydro	TWh	137.0	.7 0.3	761.7	-1.0		
-- Thermal	TWh	516.7	10.2	3,872.3	12.6		
-- Nuclear	TWh	36.5	3.6	269.9	13.3		
		760.7					
Total Electricity Consumption	TWh		13.7	5,740.4	13.8		
-- Primary Industry	TWh	10.7	0.6	66.0	19.3		
-- Secondary Industry	TWh	485.1	0.6	3,652.9	13.1		
Including: Industrial	TWh	475.3	6.2	3,585.2	13.1		
-- Tertiary Industry	TWh	140.0	12.5	953.3	21.9		
-- Residential	TWh	124.9		798.1	7.5		
Installed Generation Capacity (Year To Date)	GW			2,282.54	9.5		
-- Hydro	GW			382.13	4.9		
-- Thermal	GW			1,276.11	3.8		
-- Nuclear	GW			53.26	9.2		
-- Wind	GW			295.32	33.8		
--Solar	GW			275.13	24.6		
Average Coal Consumption of Power Supply	g/kWh			304.2		-0.9	
Line Loss	%			4.7			-0.6
Heat Supply	TJ			3,748,650	14.2		
Coal Consumption for Heat Supply	Mt			206.00	9.3		
Electricity Supply	TWh			479.14	14.8		
Electricity Sales	TWh			456.51	15.5		
Power Equipment Average Utilization Hours	Hours			2,560		112	
-- Hydro	Hours			2,360		-78	
-- Thermal	Hours			2,988		260	
-- Nuclear	Hours			5,219		338	
-- Wind	Hours			1,500		83	
--Solar	Hours			896		-1	
Auxiliary Power Rate	%			4.6			-0.1
-- Hydro	%			0.3			0.001
-- Thermal	%			5.8			-0.2
Power Generation Projects Investment	Billion CNY			270.4	5.8		
-- Hydro	Billion CNY			62.3	12.8		
-- Thermal	Billion CNY			30.0	12.4		
-- Nuclear	Billion CNY			30.5	50.6		
-- Wind	Billion CNY			123.5	-7.1		
--Solar	Billion CNY			24.2	18.0		
Power Grid Projects Investment	Billion CNY			240.9	1.3		
Newly Installed Generation Capacity	GW			81.96		20.24	
-- Hydro	GW			12.73		4.73	
-- Thermal	GW			28.94		0.62	
-- Nuclear	GW			3.40		3.40	

-- Wind	GW			14.63		4.59
--Solar	GW			22.05		6.88
Newly Added Substation Equipment Capacity (AC 220 kV and above)	GVA			155.99		24.09
Newly Added Transmission Line Length (>220 kV)	km			22,454		1,912

Source: NEA, NBS