

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

Indicator	Unit	May			Jan-May		
			YOY		YOY		
			%		%	±	P.P.
Electricity Generation	TWh	647.8	7.9	3177.2	14.9		
-- Hydro	TWh	95.6	12.1	368.5	3.8		
-- Thermal	TWh	450.7	5.6	2341.7	16.0		
-- Nuclear	TWh	34.3	10.2	159.2	13.9		
Total Electricity Consumption	TWh	672.4	12.5	3230.5	17.7		
-- Primary Industry	TWh	7.9	13.9	36.2	21.6		
-- Secondary Industry	TWh	470.5	11.5	2177.9	18.6		
Including: Industrial	TWh	462.4	11.6	2138.1	18.5		
-- Tertiary Industry	TWh	110.4	23.4	548.3	27.8		
-- Residential	TWh	83.6	5.6	468.1	4.1		
Installed Generation Capacity (Year To Date)	GW			2,241.32	9.5		
-- Hydro	GW			373.82	4.2		
-- Thermal	GW			1,263.89	4.1		
-- Nuclear	GW			51.04	4.7		
-- Wind	GW			288.52	34.4		
--Solar	GW			263.58	24.7		
Average Coal Consumption of Power Supply	g/kWh			299.1		-1.5	
Line Loss	%			3.98			0.02
Heat Supply	TJ			2,760,150	8.2		
Coal Consumption for Heat Supply	Mt			165.51	8.8		
Electricity Supply	TWh			2,797.2	19.8		
Electricity Sales	TWh			2,685.7	19.7		
Power Equipment Average Utilization Hours	Hours			1,528		117	
-- Hydro	Hours			1,144		6	
-- Thermal	Hours			1,813		204	
-- Nuclear	Hours			3,121		254	
-- Wind	Hours			1,053		96	
--Solar	Hours			541		-9	
Auxiliary Power Rate	%			4.4			-0.3
-- Hydro	%			0.3			0.00
-- Thermal	%			5.5			-0.3
Power Generation Projects Investment	Billion CNY			139.2	8.8		
-- Hydro	Billion CNY			34.1	11.7		
-- Thermal	Billion CNY			14.9	8.3		
-- Nuclear	Billion CNY			17.1	65.7		
-- Wind	Billion CNY			61.3	-2.0		
--Solar	Billion CNY			11.7	8.9		
Power Grid Projects Investment	Billion CNY			122.5	8.0		
Newly Installed Generation Capacity	GW			37.43		12.20	
-- Hydro	GW			3.67		1.93	
-- Thermal	GW			14.84		2.43	
-- Nuclear	GW			1.15		1.15	

-- Wind	GW			7.79	2.89		
--Solar	GW			9.91	3.76		
Newly Added Substation Equipment Capacity (AC 220 kV and above)	GVA			94.28	33.46		
Newly Added Transmission Line Length (>220 kV)	km			12,970	5,905		

Source: NEA, NBS