

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

Indicator	Unit		Oct	YOY %	Jan-Oct		
			YOY %		YOY		
			%		±	P.P.	
Electricity Generation	TWh	639.4	3.0	6,717.6	10.0		
-- Hydro	TWh	119.4	-11.9	1,022.2	-2.3		
-- Thermal	TWh	426.4	5.2	4,755.6	11.3		
-- Nuclear	TWh	33.5	16.9	336.6	12.7		
Total Electricity Consumption	TWh	660.3	6.1	6,825.4	12.2		
-- Primary Industry	TWh	8.3	14.7	84.1	18.4		
-- Secondary Industry	TWh	451.1	3.2	4,549.0	11.3		
Including: Industrial	TWh	442.9	3.1	4,464.1	11.3		
-- Tertiary Industry	TWh	112.3	14.3	1,194.9	20.0		
-- Residential	TWh	88.6	11.1	997.4	7.4		
Installed Generation Capacity (Year To Date)	GW			2,303.04	9.0		
-- Hydro	GW			384.52	5.1		
-- Thermal	GW			1,282.89	3.6		
-- Nuclear	GW			53.26	6.8		
-- Wind	GW			299.63	30.4		
--Solar	GW			282.14	23.7		
Average Coal Consumption of Power Supply	g/kWh			304.9		-0.8	
Line Loss	%			4.77			-0.18
Heat Supply	TJ			4,460,580	15.0		
Coal Consumption for Heat Supply	Mt			239.31	8.8		
Electricity Supply	TWh			599.91	12.7		
Electricity Sales	TWh			571.27	12.9		
Power Equipment Average Utilization Hours	Hours			3,180		106	
-- Hydro	Hours			3,159		-165	
-- Thermal	Hours			3,665		293	
-- Nuclear	Hours			6,471		372	
-- Wind	Hours			1,827		100	
--Solar	Hours			1,097		-18	
Auxiliary Power Rate	%			4.5			-0.1
-- Hydro	%			0.3			0.01
-- Thermal	%			5.8			-0.1
Power Generation Projects Investment	Billion CNY			362.8	4.5		
-- Hydro	Billion CNY			77.2	8.4		
-- Thermal	Billion CNY			44.8	18.8		
-- Nuclear	Billion CNY			39.5	52.3		
-- Wind	Billion CNY			164.4	-10.4		
--Solar	Billion CNY			36.9	28.4		
Power Grid Projects Investment	Billion CNY			340.8	1.1		
Newly Installed Generation Capacity	GW			105.44		20.04	
-- Hydro	GW			16.82		7.92	
-- Thermal	GW			36.51		1.56	
-- Nuclear	GW			3.40		2.28	

-- Wind	GW		19.19	0.90	
--Solar	GW		29.31	7.44	
Newly Added Substation Equipment Capacity (AC 220 kV and above)	GVA		179.27	7.32	
Newly Added Transmission Line Length (>220 kV)	km		25,183	-770	

Source: NEA, NBS