

**Table 9.1. Installed generating capacity by fuel type: China, Low Natural Gas Price with Reference Renewable Cost case**

gigawatts

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
<b>Liquids-fired</b>	7.9	4.6	3.6	2.2	2.2	2.2	2.2	-4.0
<b>Natural-gas-fired</b>	106.1	181.7	350.0	522.6	652.6	774.5	937.5	7.3
<b>Coal-fired</b>	1086.4	1184.8	1106.5	1106.5	1106.5	1106.5	1106.5	0.1
<b>Nuclear</b>	46.2	62.4	79.6	98.6	113.1	125.6	159.6	4.1
<b>Renewables</b>								
Biomass	14.1	14.1	14.1	14.1	14.1	14.1	14.1	0.0
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydro	333.7	400.7	400.7	400.7	400.7	400.7	400.7	0.6
Solar	188.7	468.1	795.8	1003.8	1121.6	1232.7	1279.8	6.4
Waste	8.6	7.3	7.3	7.3	7.3	7.3	7.3	-0.5
Wind	213.5	340.3	340.3	340.3	340.3	340.3	340.3	1.5
Other renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total renewables	758.6	1230.4	1558.1	1766.2	1884.0	1995.0	2042.2	3.3
<b>Total</b>	2005.2	2664.0	3097.8	3496.1	3758.3	4003.8	4247.9	2.5

Totals may not equal sum of components as a result of independent rounding.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2020)

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**Table 9.2. Net electricity generation by fuel type: China, Low Natural Gas Price with Reference Renewable Cost case**

billion kilowatthours

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
<b>Liquids-fired</b>	7.4	2.9	2.0	0.1	0.0	0.0	0.0	-32.8
<b>Natural-gas-fired</b>	296.5	650.4	1001.6	1665.5	2114.5	2485.1	3270.4	8.1
<b>Coal-fired</b>	4185.0	3739.8	3484.7	3129.3	3257.1	3483.5	3116.0	-1.0
<b>Nuclear</b>	324.4	438.2	558.4	691.7	793.5	881.2	1119.8	4.1
<b>Renewables</b>								
Biomass	0.0	1.5	1.5	1.5	1.5	1.5	1.5	infinity
Geothermal	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Hydro	1157.2	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	0.6
Solar	391.7	1052.0	1826.5	2286.1	2596.6	2859.2	2970.5	6.8
Waste	0.0	5.1	5.1	5.1	5.1	5.3	5.1	infinity
Wind	662.6	1026.4	1026.4	1026.4	994.0	996.6	1026.4	1.4
Other renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total renewables	2211.7	3474.6	4249.1	4708.7	4986.7	5252.1	5393.1	2.9
<b>Total</b>	7025.0	8305.8	9295.7	10195.4	11151.7	12101.8	12899.2	2.0

Totals may not equal sum of components as a result of independent rounding.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2020)

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