

Table E1.gen. Electricity generation: World, Low Economic Growth case

billion kilowatthours

Fuel	2020	2025	2030	2035	2040	2045
Liquid fuels	692	688	328	157	81	44
Natural gas	6,449	6,477	6,615	6,524	6,353	6,252
Coal	8,233	7,319	6,826	6,949	7,025	7,103
Nuclear	2,630	2,836	2,883	3,013	3,045	2,971
Renewables	6,989	10,112	12,021	13,608	15,596	17,773
Hydro	4,034	4,610	4,862	5,000	5,141	5,213
Wind	1,741	2,790	3,476	4,184	4,909	5,567
Geothermal	90	129	172	213	235	245
Solar	832	2,260	3,129	3,763	4,819	6,210
Other	291	323	382	448	492	538
Net generation to grid	24,993	27,433	28,674	30,252	32,099	34,143

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Im_210719.163843; and EIA, (February 2021), www.eia.gov/aeo

Notes:

* Totals may not equal sum of components due to independent rounding.

* *Net generation to grid* represents gross generation less losses from thermal efficiency and parasitic load.

Average annual percentage change,	
2050	2020–2050
30	-9.9
6,359	0.0
6,896	-0.6
2,984	0.4
19,577	3.5
5,304	0.9
5,939	4.2
250	3.5
7,500	7.6
584	2.3
35,847	1.2

Annual Energy Outlook 2021 ,