

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

billion kilowatthours

Fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
Liquid fuels	692	688	328	163	88	54	39	-9.2
Natural gas	6,450	7,011	7,791	7,540	7,818	8,034	8,434	0.9
Coal	8,233	8,204	7,781	8,261	8,504	8,861	9,516	0.5
Nuclear	2,630	2,836	2,939	3,078	3,125	3,052	3,075	0.5
Renewables	6,989	10,248	13,262	16,855	20,785	25,097	28,778	4.8
Hydro	4,034	4,629	5,012	5,207	5,385	5,700	5,917	1.3
Wind	1,741	2,847	3,806	5,087	6,292	7,242	7,860	5.2
Geothermal	90	129	192	216	241	252	256	3.5
Solar	832	2,296	3,817	5,790	8,224	11,183	13,919	9.8
Other	292	346	436	556	642	721	826	3.5
Net generation to grid	24,994	28,987	32,101	35,897	40,319	45,098	49,842	2.3

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hm_210719.163753; and EIA, *Annual Energy Outlook 2021*, (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.