

Table E1.gen. Electricity generation: World, Low Oil Price case

billion kilowatthours

Fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
Liquid fuels	692	697	353	242	193	169	141	-5.2
Natural gas	6,448	6,404	6,517	6,418	6,269	6,209	6,330	-0.1
Coal	8,234	7,483	7,038	7,061	7,186	7,441	7,267	-0.4
Nuclear	2,630	2,836	2,939	3,078	3,109	3,019	3,016	0.5
Renewables	6,989	10,119	11,954	13,523	15,357	17,217	18,867	3.4
Hydro	4,034	4,599	4,844	4,989	5,129	5,201	5,284	0.9
Wind	1,741	2,775	3,402	4,148	4,807	5,355	5,799	4.1
Geothermal	90	129	180	205	240	250	254	3.5
Solar	832	2,291	3,144	3,735	4,689	5,876	6,957	7.3
Other	291	325	383	447	492	534	573	2.3
Net generation to grid	24,993	27,539	28,801	30,322	32,113	34,056	35,621	1.2

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run lp_210720.081941; 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.