

Table E3.gen. Electricity generation: United States, High Economic Growth case

billion kilowatthours

Fuel								Average annual percentage change, 2020–2050
	2020	2025	2030	2035	2040	2045	2050	
Liquid fuels	16	11	9	9	8	6	6	-2.9
Natural gas	1,628	1,587	1,619	1,684	1,850	2,007	2,170	1.0
Coal	782	733	722	690	662	644	634	-0.7
Nuclear	785	745	655	634	636	632	634	-0.7
Renewables	851	1,329	1,605	1,831	2,004	2,217	2,465	3.6
Hydro	283	295	295	295	294	294	293	0.1
Wind	343	632	676	737	752	767	809	2.9
Geothermal	16	19	26	34	42	48	52	4.1
Solar	132	298	517	666	809	994	1,188	7.6
Other	77	85	91	99	107	115	123	1.6
Net generation to grid	4,062	4,405	4,610	4,847	5,160	5,506	5,909	1.3

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.