

Table E10.gen. Electricity generation: Non-OECD, High Economic Growth case

billion kilowatthours

Fuel								Average annual percentage change, 2020–2050
	2020	2025	2030	2035	2040	2045	2050	
Liquid fuels	511	513	245	111	53	29	16	-10.9
Natural gas	3,105	3,660	4,315	4,042	4,144	4,250	4,472	1.2
Coal	6,390	6,564	6,236	6,726	7,051	7,458	8,173	0.8
Nuclear	771	939	1,146	1,320	1,490	1,617	1,749	2.8
Renewables	3,862	5,991	8,148	10,857	13,887	17,072	19,740	5.6
Hydro	2,555	3,022	3,332	3,505	3,657	3,908	4,105	1.6
Wind	781	1,354	1,988	2,716	3,343	3,635	3,763	5.4
Geothermal	38	72	112	125	141	146	146	4.6
Solar	366	1,382	2,488	4,209	6,402	8,979	11,248	12.1
Other	120	161	227	303	345	405	478	4.7
Net generation to grid	14,638	17,666	20,089	23,056	26,625	30,425	34,150	2.9

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hm_210719.163753.

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.