

Ten Countries Whose Electric Power Generation is With 97.5-100 Percent Wind-Water-Solar (WWS)

Percent of total electric power generated within selected countries by wind-water-solar (WWS) sources during the year for which the latest data were available. Also shown is the population of each country. Note that electric power generation differs from consumption. The difference is satisfied with net imports or exports. The 10 countries in bold produce 97.5-100 percent of their electric power with WWS. The other countries are close behind. Updated from Jacobson (2020).

	2021 Population (millions)	Hydropower (percent)	Wind (percent)	Geothermal (percent)	Solar (percent)	Tidal/wave (percent)	Total WWS (percent)
Albania (2019)	2.87	99.58	0	0	0.42	0	100.0
Bhutan (2020)	0.78	100.0	0	0	0	0	100.0
Congo, DR (2018)	92.4	99.60	0	0	0.09	0	99.70
Costa Rica (2019)	5.14	68.23	15.66	13.19	0.66	0	97.74
Ethiopia (2018)	117.9	95.93	3.93	0	0.15	0	100.0
Iceland (2019)	0.369	69.07	0.04	30.89	0	0	100.0
Namibia (2018)	2.59	97.36	0.43	0	2.21	0	100.0
Nepal (2018)	29.7	99.69	0.28	0	0.02	0	100.0
Norway (2019)	5.39	93.44	4.11	0	0.01	0	97.56
Paraguay (2019)	7.22	100.0	0	0	0	0	100.0
Kenya (2018)	55.0	34.24	2.50	44.55	0.73	0	82.01
Scotland (2020)	5.52	18.1	71.0	0	1.2	0.12	90.40
Tajikistan (2019)	9.76	92.71	0	0	0	0	92.71
Uruguay (2019)	3.49	52.40	29.54	0	2.63	0	82.57

Sources: IEA (2021); Scottish Government (2021).

References

IEA (International Energy Agency), Data and statistics, 2021, <https://www.iea.org/statistics/> (accessed July 23, 2021).
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 Scottish Government, Energy statistics for Scotland, Q4 2020 figures, 2021, <https://www.gov.scot/binaries/content/documents/govscot/publications/statistics/2018/10/quarterly-energy-statistics-bulletins/documents/energy-statistics-summary---march-2021/energy-statistics-summary---march-2021/govscot:document/Scotland+Energy+Statistics+Q4+2020.pdf> (accessed July 23, 2021).