

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

(a) Percentages of total electricity generated by wind-water-solar (WWS) sources within selected countries during the year for which the latest data are available. (b) Percentages of total electricity consumed within the country supplied by WWS if none of the WWS electricity were exported. Numbers in parentheses are 2021 population (millions) of the country. The year after the parentheses is the year the data are valid for. Only Scotland has tidal/wave electricity. 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)
(a) Percentages of Electricity Generation by WWS							
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
Tajikistan (2019)	9.76	92.71	0	0	0	0	92.71
Kenya (2019)	55.0	36.0	11.0	44.0	1.0	0	92.00
Uruguay (2019)	3.49	52.40	29.54	0	2.63	0	82.57
(b) Percentages of Consumed Electricity Supplied by WWS if no WWS Exports							
Scotland (2021)	5.52	19.0	70.9	0	1.2	0.12	91.22

Sources: IEA (2021), except Kuhudzai (2021) for Kenya and Scottish Government (2021) for Scotland.

References

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