

**Percent electricity generation (not nameplate capacity) in 2022 by state from wind-water-solar (WWS) sources (wind = onshore plus offshore wind; water = hydro + geothermal; solar = PV + CSP). Data from U.S. Energy Information Administration (EIA) <https://windexchange.energy.gov/states>. The ranking is from highest to lowest percent of generation from WWS. Price rank is the state's rank of residential electricity price among the 50 states (1 = lowest, 50 = highest) in Feb., 2023 from <https://www.eia.gov/electricity/monthly>. By M.Z. Jacobson May 13, 2023. Updated May 22, 2023.**

<u>State</u>	<u>Wind (%)</u>	<u>Hydro (%)</u>	<u>Solar (%)</u>	<u>Geoth. (%)</u>	<u>Total (%)</u>	<u>Price Rank</u>
South Dakota	55	29.2	0.02	0	84.22	7
Vermont	18.24	42.99	18.51	0	79.74	41
Washington	7.75	68.2	0.41	0	76.36	5
Idaho	17.23	52.78	4.25	0.5	74.76	3
Oregon	14.5	51.1	3.21	0.23	69.04	13
Iowa	64.4	1.69	1.01	0	67.1	10
Maine	26.2	21	8.05	0	55.25	44
Montana	14.78	37.75	0.31	0	52.84	11
California	7.34	8.02	29.03	5.53	49.92	45
Kansas	47.1	0.04	0.25	0	47.39	29
Oklahoma	44	2.74	0.2	0	46.94	8
North Dakota	36.9	4.91	0	0	41.81	1
New Mexico	35.1	0.32	6.16	0.11	41.69	23
Colorado	28.1	2.77	6.33	0	37.2	24
Nevada	0.73	3.89	23.73	8.27	36.62	37
Nebraska	31.3	3.16	0.3	0	34.76	3
Alaska	2.39	28.47	0.26	0	31.12	42
New York	3.77	21.28	4.3	0	29.35	43
Minnesota	23.95	1.18	3.86	0	28.99	19
Texas	23.5	0.2	5.23	0	28.93	28
Hawaii	6.24	0.49	17.99	2.97	27.69	50
Wyoming	22.45	1.95	0.47	0	24.87	4
Massachusetts	0.83	2.62	19.95	0	23.4	48
Arizona	1.44	5.17	9.84	0	16.45	18
Utah	1.83	1.27	11.67	1.14	15.91	6
Rhode Island	2.56	0.04	11.27	0	13.87	46
Illinois	12.27	0.06	1.5	0	13.83	38
North Carolina	0.4	3.84	8.97	0	13.21	17
Tennessee	0.04	12.08	0.99	0	13.11	15
Missouri	9.41	2.07	0.87	0	12.35	9
Indiana	10.44	0.36	1.54	0	12.34	33
Maryland	1.31	4.65	4.84	0	10.8	34
Michigan	7.97	0.54	1	0	9.51	39
Wisconsin	2.96	3.88	1.75	0	8.59	35
N. Hampshire	2.57	4.6	1.28	0	8.45	47
Georgia	0	2.12	6.04	0	8.16	21
Alabama	0	7.2	0.65	0	7.85	31
Arkansas	0	5.58	1.46	0	7.04	12
New Jersey	0.03	0	6.66	0	6.69	36
Kentucky	0	6.25	0.23	0	6.48	14
Virginia	0.06	0	5.72	0	5.78	25
West Virginia	3.69	1.96	0.06	0	5.71	20
Florida	0	0.09	5.48	0	5.57	32
Delaware	0	0	4.97	0	4.97	30
Connecticut	0.03	0.99	3.22	0	4.24	49
South Carolina	0	1.32	2.9	0	4.22	26
Ohio	2.26	0.39	0.93	0	3.58	27
Pennsylvania	1.61	0.87	0.43	0	2.91	40
Louisiana	0	1.35	0.62	0	1.97	16
Mississippi	0	0	0.8	0	0.8	22