

Table C13. Renewable energy consumption estimates by source, ranked by state, 2022

Rank	Biomass ^a		Geothermal		Hydroelectric power ^b		Solar ^c		Wind	
	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu
1	California	498.6	California	40.3	Washington	269.3	California	232.9	Texas	391.7
2	Texas	259.1	Nevada	14.9	Oregon	106.8	Texas	87.4	Iowa	156.1
3	Iowa	254.6	Florida	10.1	New York	93.6	Florida	74.8	Oklahoma	128.1
4	Georgia	250.3	Michigan	5.2	California	60.2	Arizona	41.1	Kansas	101.3
5	Florida	215.1	Indiana	4.6	Alabama	34.8	North Carolina	40.7	Illinois	80.2
6	Alabama	194.4	Ohio	3.4	Montana	33.7	Nevada	36.6	Colorado	57.7
7	Minnesota	167.0	Kentucky	2.7	Tennessee	31.4	Georgia	25.3	North Dakota	55.4
8	Pennsylvania	157.1	Texas	2.5	Idaho	28.5	New York	19.3	Minnesota	51.5
9	Michigan	154.9	Utah	2.4	Arizona	18.1	Massachusetts	18.6	California	49.9
10	Illinois	151.8	Pennsylvania	2.2	North Carolina	16.0	New Jersey	17.8	New Mexico	49.3
11	Wisconsin	142.3	Illinois	2.0	Kentucky	15.5	Virginia	17.7	Nebraska	43.0
12	Virginia	142.1	South Dakota	1.9	South Dakota	14.5	Utah	15.9	South Dakota	35.1
13	New York	141.0	Oregon	1.8	Arkansas	11.8	Colorado	13.2	Indiana	34.1
14	North Carolina	132.6	Louisiana	1.8	Georgia	10.8	Illinois	10.8	Wyoming	33.4
15	Louisiana	126.8	Idaho	1.8	Maine	10.5	South Carolina	10.1	Michigan	31.2
16	Washington	126.4	Virginia	1.7	Pennsylvania	9.1	New Mexico	9.0	Oregon	27.8
17	Indiana	125.5	Iowa	1.3	South Carolina	7.4	Hawaii	8.4	Washington	27.5
18	South Carolina	124.9	Nebraska	1.2	Wisconsin	6.8	Oregon	8.3	Missouri	25.7
19	Ohio	124.2	New York	1.2	North Dakota	6.1	Minnesota	7.5	New York	15.6
20	Nebraska	120.4	Washington	1.1	Maryland	6.1	Maryland	6.9	Montana	13.7
21	Oregon	102.8	Minnesota	1.1	Oklahoma	6.0	Connecticut	6.0	Pennsylvania	12.2
22	Maine	79.2	North Dakota	1.0	Alaska	5.8	Indiana	4.8	Ohio	10.8
23	Tennessee	78.9	Kansas	1.0	Nevada	5.8	Ohio	4.5	Maine	9.3
24	South Dakota	78.5	North Carolina	1.0	West Virginia	5.6	Pennsylvania	4.3	Idaho	8.3
25	Arkansas	72.2	Mississippi	1.0	Michigan	4.7	Michigan	4.3	West Virginia	6.8
26	Missouri	68.7	Massachusetts	0.9	Missouri	4.7	Wisconsin	3.8	Wisconsin	6.2
27	Mississippi	62.5	Arkansas	0.8	Colorado	4.6	Arkansas	3.4	Arizona	5.3
28	Kentucky	62.2	Colorado	0.8	New Hampshire	4.1	Alabama	3.2	Utah	2.5
29	Oklahoma	53.8	Hawaii	0.7	Vermont	3.9	Rhode Island	3.1	Hawaii	2.1
30	Massachusetts	51.9	Wyoming	0.7	Virginia	3.9	Maine	2.8	North Carolina	1.9
31	Kansas	49.6	South Carolina	0.6	Nebraska	3.6	Tennessee	2.6	Maryland	1.7
32	New Jersey	46.6	Wisconsin	0.6	Iowa	3.4	Idaho	2.5	New Hampshire	1.6
33	Idaho	45.1	Maryland	0.6	Minnesota	3.2	Iowa	2.4	Vermont	1.4
34	Colorado	44.9	New Mexico	0.5	Louisiana	3.1	Missouri	2.4	Nevada	1.1
35	Arizona	37.6	New Jersey	0.5	Massachusetts	3.0	Mississippi	1.8	Massachusetts	0.7
36	North Dakota	35.2	Delaware	0.4	Wyoming	2.5	Washington	1.8	Rhode Island	0.7
37	New Hampshire	33.3	Missouri	0.4	Texas	2.1	Louisiana	1.7	Alaska	0.5
38	Maryland	32.7	Arizona	0.3	Utah	2.0	Vermont	1.5	Virginia	0.2
39	Connecticut	31.9	Montana	0.3	Ohio	1.7	New Hampshire	0.9	New Jersey	0.1
40	Vermont	23.8	Georgia	0.3	Indiana	1.3	Delaware	0.8	Tennessee	0.1
41	New Mexico	22.9	Tennessee	0.2	Connecticut	1.1	Wyoming	0.7	Connecticut	(s)
42	Montana	20.4	Alaska	0.2	Florida	0.8	District of Columbia	0.7	Delaware	(s)
43	West Virginia	17.8	Alabama	0.1	New Mexico	0.4	Oklahoma	0.6	Alabama	0.0
44	Nevada	15.0	Maine	0.1	Illinois	0.4	Kansas	0.6	Arkansas	0.0
45	Utah	14.0	Rhode Island	0.1	Hawaii	0.4	Kentucky	0.6	District of Columbia	0.0
46	Hawaii	9.0	West Virginia	(s)	Kansas	0.1	Nebraska	0.4	Florida	0.0
47	Alaska	8.5	New Hampshire	(s)	Rhode Island	(s)	Montana	0.3	Georgia	0.0
48	Wyoming	8.1	Vermont	(s)	New Jersey	(s)	West Virginia	0.2	Kentucky	0.0
49	Rhode Island	7.0	Oklahoma	(s)	Delaware	0.0	Alaska	0.1	Louisiana	0.0
50	Delaware	6.0	District of Columbia	(s)	District of Columbia	0.0	South Dakota	(s)	Mississippi	0.0
51	District of Columbia	1.9	Connecticut	(s)	Mississippi	0.0	North Dakota	(s)	South Carolina	0.0
	United States	4,856.7	United States	118.4	United States	869.3	United States	764.6	United States	1,481.8

^a Includes wood, biomass waste, biodiesel, fuel ethanol, renewable diesel, and losses and co-products from biofuel production. U.S. total includes other biofuels not allocated to the states.

^b Conventional hydroelectric power.

^c Solar thermal and photovoltaic energy.

Where shown, (s) = Value less than 0.05 trillion Btu.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>