

Table C13. Renewable Energy Consumption Estimates by Source, Ranked by State, 2021

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	467.1	California	100.6	Washington	631.3	California	502.4	Texas	879.7
2	Iowa	256.9	Nevada	36.2	New York	254.4	Texas	152.8	Iowa	328.1
3	Georgia	253.2	Florida	10.1	Oregon	244.6	Florida	122.9	Oklahoma	287.8
4	Texas	248.5	Michigan	5.2	California	129.8	California	93.8	Kansas	227.2
5	Florida	218.3	Indiana	4.6	Alabama	101.9	Arizona	92.6	Illinois	169.2
6	Alabama	196.6	Utah	4.5	Tennessee	96.1	Nevada	68.8	California	134.2
7	Minnesota	163.6	Ohio	3.4	Montana	81.9	Georgia	46.7	Colorado	133.8
8	Michigan	156.3	Oregon	2.8	Idaho	70.7	New Jersey	37.6	North Dakota	132.1
9	Pennsylvania	154.4	Kentucky	2.7	Arizona	52.8	Massachusetts	36.7	Minnesota	108.5
10	Illinois	149.1	Texas	2.5	North Carolina	51.4	Utah	36.6	New Mexico	93.6
11	New York	146.0	Idaho	2.3	South Dakota	44.1	New York	35.5	Nebraska	84.8
12	Virginia	143.3	Pennsylvania	2.2	Kentucky	43.1	Virginia	32.3	Oregon	82.9
13	Wisconsin	139.9	Illinois	2.0	Arkansas	35.6	Colorado	24.9	South Dakota	82.5
14	North Carolina	137.5	South Dakota	1.9	Georgia	32.4	South Carolina	24.0	Washington	82.2
15	Washington	132.6	Louisiana	1.8	Pennsylvania	27.7	New Mexico	19.8	Wyoming	74.7
16	Louisiana	129.5	Virginia	1.7	Oklahoma	24.5	Minnesota	18.6	Indiana	69.5
17	Indiana	127.8	Hawaii	1.6	South Carolina	22.5	Hawaii	17.6	Michigan	68.1
18	Ohio	125.2	Iowa	1.3	Maine	22.5	Oregon	17.0	Missouri	57.8
19	South Carolina	123.5	Nebraska	1.2	Wisconsin	19.0	Maryland	14.8	New York	36.8
20	Nebraska	120.6	New York	1.2	Maryland	18.7	Illinois	14.0	Montana	30.7
21	Oregon	101.8	Washington	1.1	North Dakota	17.6	Connecticut	11.0	Pennsylvania	30.6
22	Tennessee	98.3	Minnesota	1.1	Nevada	17.2	Ohio	8.7	Idaho	23.7
23	Maine	85.3	North Dakota	1.0	West Virginia	15.1	Pennsylvania	8.6	Ohio	22.9
24	South Dakota	76.9	Kansas	1.0	Missouri	15.0	Indiana	7.1	Maine	22.5
25	Arkansas	72.0	North Carolina	1.0	Alaska	14.9	Idaho	6.1	West Virginia	14.4
26	Missouri	66.8	Mississippi	1.0	Colorado	14.1	Rhode Island	6.0	Arizona	14.2
27	Mississippi	64.1	Massachusetts	0.9	Michigan	11.8	Michigan	6.0	Wisconsin	14.1
28	Kentucky	55.5	New Mexico	0.8	Virginia	11.5	Arkansas	5.6	Utah	7.3
29	Massachusetts	53.9	Arkansas	0.8	Nebraska	9.9	Wisconsin	5.1	Hawaii	5.8
30	Oklahoma	53.7	Colorado	0.8	Massachusetts	9.9	Missouri	4.9	Maryland	4.6
31	New Jersey	47.5	Wyoming	0.7	Louisiana	9.8	Alabama	4.6	North Carolina	4.6
32	Kansas	47.1	South Carolina	0.6	Vermont	9.7	Iowa	4.2	New Hampshire	4.5
33	Idaho	43.1	Wisconsin	0.6	Texas	9.6	Mississippi	3.9	Nevada	3.0
34	Colorado	42.5	Maryland	0.6	New Hampshire	9.1	Tennessee	3.8	Vermont	3.0
35	Arizona	37.2	New Jersey	0.5	Iowa	8.7	Louisiana	3.7	Massachusetts	1.8
36	Connecticut	36.5	Delaware	0.4	Wyoming	7.0	Washington	3.3	Rhode Island	1.5
37	Maryland	35.2	Missouri	0.4	Minnesota	6.0	Vermont	3.3	Alaska	1.2
38	New Hampshire	35.0	Arizona	0.3	Ohio	5.1	Maine	2.7	Virginia	0.4
39	North Dakota	34.8	Montana	0.3	Utah	4.4	New Hampshire	1.8	Tennessee	0.2
40	Vermont	24.3	Georgia	0.3	Connecticut	4.2	Delaware	1.8	New Jersey	0.2
41	New Mexico	23.4	Tennessee	0.2	Indiana	3.4	Wyoming	1.7	Connecticut	0.1
42	Montana	21.1	Alaska	0.2	Florida	2.2	District of Columbia	1.5	Delaware	(s)
43	West Virginia	19.0	Alabama	0.1	Illinois	1.1	Oklahoma	1.2	Alabama	0.0
44	Utah	15.1	Maine	0.1	New Mexico	1.1	Kansas	1.1	Arkansas	0.0
45	Nevada	14.8	Rhode Island	0.1	Hawaii	1.0	Kentucky	1.1	District of Columbia	0.0
46	Hawaii	9.0	West Virginia	(s)	Kansas	0.3	Nebraska	0.8	Florida	0.0
47	Alaska	8.5	New Hampshire	(s)	New Jersey	0.2	Montana	0.7	Georgia	0.0
48	Wyoming	7.8	Vermont	(s)	Rhode Island	(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	5.9	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	4,845.4	United States	204.8	United States	2,225.0	United States	1,520.0	United States	3,344.8

^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/>