

Table P5B. Primary energy production estimates, renewable and total energy, in trillion Btu, ranked by state, 2022

Rank	Renewable energy								Total primary energy ^b	
	Biofuels ^{a, b}		Wood and waste ^c		Other ^d		Total renewable energy ^b			
	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu
	United States	2,510.8	United States	2,562.4	United States	3,234.1	United States	8,307.3	United States ^e	98,436.1
1	Iowa	588.3	Georgia	236.8	Texas	483.6	Iowa	771.0	Texas	25,142.4
2	Nebraska	274.9	Alabama	172.9	California	383.3	Texas	654.9	Pennsylvania	9,950.5
3	Illinois	223.7	Florida	148.8	Washington	299.7	California	543.2	New Mexico	6,690.2
4	Minnesota	187.5	California	123.1	Iowa	163.3	Washington	419.0	Wyoming	6,013.7
5	South Dakota	178.8	North Carolina	121.5	Oregon	144.7	Illinois	333.7	West Virginia	5,762.9
6	Indiana	175.0	Virginia	117.7	Oklahoma	134.8	Nebraska	327.3	Louisiana	4,786.8
7	Louisiana	102.4	Louisiana	114.5	New York	129.6	Minnesota	307.8	Oklahoma	4,280.6
8	North Dakota	98.6	South Carolina	110.0	Kansas	102.9	Georgia	273.7	North Dakota	4,114.4
9	Kansas	91.7	Pennsylvania	106.7	Illinois	93.4	Indiana	251.5	Colorado	3,542.8
10	Ohio	89.0	Washington	100.8	Florida	85.6	Florida	234.4	Ohio	2,978.6
11	Wisconsin	75.9	Michigan	98.0	Colorado	76.2	South Dakota	234.2	Illinois	2,208.7
12	Texas	74.1	Texas	97.2	Arizona	64.9	Louisiana	223.6	California	1,591.0
13	Missouri	67.4	Wisconsin	88.0	Minnesota	63.3	New York	220.7	Alaska	1,351.1
14	Michigan	46.7	New York	83.4	North Dakota	62.5	Oregon	219.9	Alabama	1,039.5
15	California	36.8	Maine	73.4	North Carolina	59.6	Alabama	212.6	Kentucky	865.4
16	Tennessee	26.1	Oregon	70.5	New Mexico	59.2	Kansas	201.3	Utah	818.5
17	Pennsylvania	20.6	Arkansas	67.8	Nevada	58.3	Michigan	190.1	Virginia	808.3
18	Colorado	20.6	Minnesota	56.9	South Dakota	51.5	Oklahoma	182.3	Indiana	797.5
19	Washington	18.6	Mississippi	55.2	Nebraska	48.3	Wisconsin	181.3	Iowa	771.0
20	Wyoming	18.2	Ohio	44.8	Montana	48.1	North Carolina	181.2	Montana	730.5
21	Oklahoma	12.9	Tennessee	40.0	Michigan	45.4	North Dakota	163.1	South Carolina	695.2
22	Kentucky	11.0	Kentucky	38.8	Indiana	44.8	Pennsylvania	155.0	Arkansas	690.2
23	Idaho	8.8	Idaho	35.1	Idaho	41.1	Ohio	154.3	Georgia	629.1
24	New York	7.7	Oklahoma	34.6	Alabama	38.1	Virginia	141.2	Kansas	628.2
25	New Mexico	6.7	Indiana	31.7	Wyoming	37.3	South Carolina	128.2	North Carolina	625.9
26	Arkansas	6.2	Massachusetts	29.0	Georgia	36.5	Missouri	122.8	Florida	563.3
27	Oregon	4.7	New Hampshire	27.0	Tennessee	34.2	Colorado	113.4	Michigan	562.1
28	Mississippi	3.9	Missouri	22.4	Missouri	33.1	Tennessee	100.3	Washington	521.8
29	Connecticut	2.9	Vermont	21.3	Pennsylvania	27.7	Maine	96.0	New York	511.9
30	Alabama	1.6	Iowa	19.4	Virginia	23.4	Arkansas	90.0	Tennessee	475.9
31	Montana	1.4	Connecticut	18.2	Massachusetts	23.2	Idaho	85.0	Minnesota	461.0
32	Hawaii	0.7	Colorado	16.7	Utah	22.7	New Mexico	78.4	Arizona	407.6
33	New Hampshire	0.6	Illinois	16.6	Maine	22.6	Arizona	74.2	Nebraska	394.7
34	Georgia	0.4	Montana	16.1	Ohio	20.5	Kentucky	68.5	New Jersey	328.6
35	North Carolina	0.2	New Jersey	14.9	Kentucky	18.7	Montana	65.7	Mississippi	287.9
36	Virginia	0.1	New Mexico	12.6	New Jersey	18.4	Mississippi	61.8	Wisconsin	286.4
37	Massachusetts	0.1	Maryland	12.2	South Carolina	18.2	Nevada	61.4	South Dakota	239.9
38	Rhode Island	0.1	West Virginia	10.8	Wisconsin	17.4	Wyoming	60.8	Oregon	219.9
39	Maine	(s)	Arizona	9.4	Arkansas	16.0	Massachusetts	52.2	Missouri	217.3
40			Alaska	7.7	Maryland	15.3	New Hampshire	34.3	Maryland	216.4
41			Kansas	6.7	West Virginia	12.7	New Jersey	33.3	Connecticut	199.9
42			Wyoming	5.3	Hawaii	11.7	Vermont	28.2	New Hampshire	148.2
43			Hawaii	4.6	Connecticut	7.1	Connecticut	28.1	Maine	96.0
44			Utah	4.2	Vermont	6.8	Maryland	27.4	Idaho	87.9
45			Nebraska	4.2	New Hampshire	6.7	Utah	26.9	Nevada	62.7
46			South Dakota	3.9	Louisiana	6.7	West Virginia	23.4	Massachusetts	52.2
47			Rhode Island	3.7	Alaska	6.6	Hawaii	16.9	Vermont	28.2
48			Nevada	3.1	Rhode Island	3.9	Alaska	14.2	Hawaii	16.9
49			North Dakota	2.0	Mississippi	2.8	Rhode Island	7.6	Rhode Island	7.6
50			Delaware	1.6	Delaware	1.2	Delaware	2.8	Delaware	2.8
51			District of Columbia	1.0	District of Columbia	0.7	District of Columbia	1.7	District of Columbia	1.7

^a Biodiesel, fuel ethanol, and renewable diesel. For the production of biodiesel and fuel ethanol, equal to the Btu input of biomass feedstock (such as corn for ethanol and soy for biodiesel).

^b U.S. total includes other biofuels not allocated to the states.

^c Wood energy production and biomass waste energy consumption.

^d Consumption of noncombustible renewable energy, including geothermal, hydroelectric power, solar, and wind energy.

^e Includes federal offshore crude oil production and Gulf of Mexico federal offshore natural gas production.

(s) = Less than 0.05 trillion Btu.

Note: Totals may not equal sum of components due to independent rounding.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes.

<http://www.eia.gov/state/seds/>