

Table P5B. Primary Energy Production Estimates, Renewable and Total Energy, in Trillion Btu, Ranked by State, 2021

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	2,374.1	United States	2,634.3	United States	7,294.6	United States	12,303.0	United States ^e	98,361.3
1	Iowa	597.2	Georgia	235.1	Texas	1,044.6	Texas	1,197.4	Texas	23,843.8
2	Nebraska	274.0	Alabama	172.8	California	867.0	California	1,053.6	Pennsylvania	10,150.9
3	Illinois	215.1	Florida	152.5	Washington	717.9	Iowa	958.8	Wyoming	6,032.0
4	Minnesota	182.8	California	149.9	Oregon	347.4	Washington	842.0	New Mexico	5,504.9
5	South Dakota	176.3	North Carolina	125.0	Iowa	342.3	Oregon	428.1	West Virginia	5,496.7
6	Indiana	167.8	Louisiana	117.0	New York	327.9	New York	424.6	North Dakota	4,309.7
7	North Dakota	102.8	Virginia	116.6	Oklahoma	313.4	Illinois	418.5	Oklahoma	4,186.9
8	Ohio	87.3	South Carolina	107.3	Kansas	229.6	Nebraska	375.6	Louisiana	4,105.3
9	Kansas	80.3	Washington	107.2	Illinois	186.4	Minnesota	372.7	Colorado	3,629.8
10	Wisconsin	75.4	Pennsylvania	103.8	Colorado	173.6	Oklahoma	352.4	Ohio	3,042.0
11	Missouri	64.3	Michigan	99.7	Arizona	159.9	Georgia	316.4	Illinois	2,274.5
12	Texas	61.5	Texas	91.3	North Carolina	150.8	Kansas	316.2	California	2,152.5
13	Louisiana	51.4	New York	88.9	North Dakota	150.7	South Dakota	308.0	Alaska	1,340.0
14	Michigan	45.3	Wisconsin	86.5	Florida	135.2	Indiana	289.1	Alabama	1,139.5
15	California	36.7	Maine	79.1	Minnesota	134.2	Florida	287.7	Iowa	958.8
16	Tennessee	27.9	Oregon	75.6	South Dakota	128.5	Alabama	281.0	Washington	931.0
17	Pennsylvania	21.4	Arkansas	64.3	Nevada	125.2	North Carolina	276.0	Virginia	846.0
18	Colorado	19.2	Tennessee	58.8	New Mexico	115.3	North Dakota	255.3	Kentucky	814.4
19	Washington	16.9	Mississippi	56.5	Montana	113.6	Michigan	236.0	Utah	798.4
20	Wyoming	12.6	Minnesota	55.7	Alabama	106.6	Colorado	208.1	Montana	792.8
21	Kentucky	11.6	Ohio	48.9	Idaho	102.8	Wisconsin	200.7	New York	761.1
22	New York	7.8	Indiana	36.6	Tennessee	100.4	Pennsylvania	194.2	Kansas	742.8
23	Arkansas	6.1	Idaho	35.2	Nebraska	96.8	Tennessee	187.2	Indiana	742.1
24	Oregon	5.1	Oklahoma	34.6	Michigan	91.1	Louisiana	183.7	Arkansas	735.5
25	Oklahoma	4.4	Kentucky	32.0	Indiana	84.7	Ohio	176.3	North Carolina	726.4
26	Connecticut	3.0	Massachusetts	30.8	Wyoming	84.1	Arizona	169.0	South Carolina	716.1
27	Mississippi	2.3	New Hampshire	28.8	Georgia	79.4	Missouri	164.5	Michigan	697.1
28	Georgia	1.9	Connecticut	23.4	Missouri	78.0	Virginia	162.9	Georgia	671.1
29	Alabama	1.6	Missouri	22.2	Pennsylvania	69.0	South Carolina	154.4	Florida	590.4
30	Idaho	1.4	Vermont	21.8	Utah	52.8	Idaho	139.4	Tennessee	560.9
31	Hawaii	0.7	Iowa	19.4	Massachusetts	49.3	Montana	130.1	Minnesota	520.2
32	Rhode Island	0.7	Illinois	17.0	Maine	47.8	Nevada	128.4	Arizona	499.7
33	New Hampshire	0.6	Montana	16.5	South Carolina	47.1	New Mexico	127.8	Nebraska	457.5
34	Virginia	0.3	New Jersey	15.5	Kentucky	46.9	Maine	126.9	Oregon	428.3
35	North Carolina	0.2	Colorado	15.3	Virginia	46.0	Arkansas	112.4	New Jersey	347.9
36	Massachusetts	0.1	Maryland	12.9	Arkansas	42.1	Wyoming	101.2	Mississippi	324.8
37	Maine	0.1	New Mexico	12.5	Ohio	40.1	Kentucky	90.6	South Dakota	314.0
38			West Virginia	11.6	Wisconsin	38.8	Massachusetts	80.2	Wisconsin	304.9
39			Arizona	9.1	Maryland	38.6	Mississippi	63.8	Maryland	238.2
40			Alaska	7.6	New Jersey	38.4	Utah	57.2	Connecticut	221.6
41			Kansas	6.4	West Virginia	29.7	New Jersey	53.9	Missouri	210.6
42			Nebraska	4.8	Hawaii	26.1	Maryland	51.5	New Hampshire	147.7
43			Hawaii	4.6	Alaska	16.4	New Hampshire	44.8	Idaho	140.9
44			Wyoming	4.5	Vermont	16.0	Connecticut	41.8	Nevada	129.7
45			Utah	4.4	New Hampshire	15.4	West Virginia	41.3	Maine	126.9
46			Rhode Island	3.6	Louisiana	15.3	Vermont	37.7	Massachusetts	80.2
47			South Dakota	3.3	Connecticut	15.3	Hawaii	31.4	Vermont	37.7
48			Nevada	3.2	Rhode Island	7.6	Alaska	24.0	Hawaii	31.4
49			North Dakota	1.8	Mississippi	4.9	Rhode Island	11.9	Rhode Island	11.9
50			Delaware	1.4	Delaware	2.2	Delaware	3.7	Delaware	3.7
51			District of Columbia	0.9	District of Columbia	1.5	District of Columbia	2.4	District of Columbia	2.4

^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/>