

**Table P5B. Primary Energy Production Estimates, Renewable and Total Energy, in Trillion Btu, Ranked by State, 2018**

Rank	Renewable Energy						Total Primary Energy	
	Biofuels <sup>a</sup>		Wood and Waste <sup>b</sup>		Other <sup>c</sup>			
	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu
	United States	2,396.6	United States	2,841.9	United States	6,269.9	United States <sup>d</sup>	95,692.3
1	Iowa	610.7	Georgia	216.0	California	857.6	Texas	20,421.4
2	Nebraska	304.1	Florida	181.9	Washington	810.9	Pennsylvania	8,987.2
3	Illinois	249.3	Alabama	170.1	Texas	738.2	Wyoming	7,717.9
4	Minnesota	175.5	California	130.5	Oregon	401.8	Oklahoma	4,881.4
5	Indiana	171.5	North Carolina	127.5	New York	325.0	West Virginia	4,769.8
6	South Dakota	146.8	Virginia	124.1	Oklahoma	268.1	North Dakota	4,228.6
7	Ohio	86.3	Louisiana	122.5	Iowa	205.2	Colorado	3,662.0
8	Wisconsin	81.9	Pennsylvania	121.3	Kansas	173.7	Louisiana	3,536.1
9	Texas	80.6	Michigan	119.1	Arizona	139.5	New Mexico	3,432.2
10	North Dakota	73.4	Washington	117.7	Idaho	132.2	Ohio	3,370.1
11	Kansas	66.6	South Carolina	110.2	North Dakota	127.7	Illinois	2,554.9
12	Missouri	63.3	Wisconsin	103.9	Montana	124.3	California	2,408.2
13	Michigan	49.6	Maine	101.7	North Carolina	123.9	Alaska	1,410.6
14	California	35.5	New York	98.8	Colorado	121.4	Alabama	1,243.0
15	Tennessee	33.2	Arkansas	85.2	Minnesota	118.6	Kentucky	1,153.4
16	Pennsylvania	23.2	Texas	84.2	Illinois	114.5	Indiana	1,063.2
17	New York	22.3	Minnesota	78.3	Alabama	105.0	Washington	1,040.2
18	Georgia	17.6	Oregon	72.2	Nevada	101.6	Montana	997.1
19	Colorado	17.2	Tennessee	66.7	Tennessee	96.7	New York	908.3
20	Mississippi	15.8	Mississippi	60.0	South Dakota	84.8	Virginia	900.2
21	Kentucky	10.7	Ohio	57.1	Pennsylvania	78.6	Utah	894.5
22	Washington	10.0	New Hampshire	38.2	New Mexico	72.1	Iowa	887.9
23	Arkansas	9.5	Massachusetts	37.7	Michigan	71.5	Arkansas	887.1
24	Idaho	8.1	Idaho	36.6	Florida	65.7	Kansas	779.7
25	Virginia	8.0	Indiana	35.4	Nebraska	64.7	South Carolina	696.4
26	Oregon	7.3	Kentucky	34.6	Indiana	59.9	North Carolina	691.5
27	Arizona	6.8	Oklahoma	29.5	Georgia	54.9	Michigan	685.4
28	Oklahoma	4.5	Missouri	27.8	Maine	52.2	Georgia	647.8
29	Connecticut	2.3	Connecticut	24.3	Wyoming	46.6	Arizona	621.0
30	Florida	1.8	Vermont	24.3	Utah	44.4	Tennessee	585.9
31	Alabama	1.7	Maryland	23.0	Kentucky	43.7	Florida	567.5
32	Hawaii	0.5	New Jersey	21.8	Maryland	43.0	Minnesota	525.1
33	Rhode Island	0.3	Iowa	20.8	Massachusetts	41.4	Oregon	481.8
34	New Hampshire	0.3	Illinois	19.1	Wisconsin	38.6	Nebraska	445.1
35	North Carolina	0.2	Montana	18.2	Missouri	36.7	New Jersey	385.4
36	Massachusetts	0.1	Colorado	15.6	South Carolina	35.0	Wisconsin	330.3
37	Maine	0.1	New Mexico	13.0	West Virginia	33.1	Mississippi	317.4
38	Alaska	(s)	West Virginia	12.3	Arkansas	30.3	Maryland	253.1
39	Montana	(s)	Arizona	8.7	New Jersey	29.2	Missouri	245.4
40			Kansas	8.0	Virginia	26.0	South Dakota	243.0
41			Alaska	7.3	Ohio	24.3	Connecticut	214.7
42			Utah	5.9	Hawaii	20.5	Idaho	179.5
43			Hawaii	5.3	Vermont	17.2	New Hampshire	160.8
44			Nebraska	5.2	New Hampshire	17.1	Maine	154.0
45			Wyoming	4.9	Alaska	16.8	Massachusetts	125.7
46			Nevada	4.1	Louisiana	14.8	Nevada	107.1
47			South Dakota	3.6	Connecticut	11.7	Vermont	41.5
48			Rhode Island	3.6	Mississippi	4.0	Hawaii	26.3
49			North Dakota	2.1	Rhode Island	2.7	Rhode Island	6.6
50			Delaware	1.4	Delaware	2.0	Delaware	3.4
51			District of Columbia	0.9	District of Columbia	0.7	District of Columbia	1.6

<sup>a</sup> Biomass inputs (feedstock) to the production of biofuels.

<sup>b</sup> Wood energy production and biomass waste energy consumption.

<sup>c</sup> Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy.

<sup>d</sup> 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.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at

<http://www.eia.gov/state/seds/seds-technical-notes-complete.php>