

Table P4. Primary Energy Production Estimates in Physical Units, Ranked by State, 2019

Rank	Fossil Fuels						Renewable Energy			
	Coal <sup>a</sup>		Natural Gas <sup>b</sup>		Crude Oil <sup>c</sup>		Fuel Ethanol <sup>d</sup>		Biodiesel	
	State	Thousand Short Tons	State	Million Cubic Feet	State	Thousand Barrels	State	Thousand Barrels	State	Thousand Barrels
	United States	706,309	United States <sup>e</sup>	36,515,188	United States <sup>f</sup>	4,470,526	United States	375,678	United States	41,060
1	Wyoming	276,912	Texas	9,301,616	Texas	1,850,715	Iowa	104,135	Iowa	8,143
2	West Virginia	93,425	Pennsylvania	6,896,792	North Dakota	518,874	Nebraska	50,117	Texas	5,096
3	Pennsylvania	50,078	Louisiana	3,223,642	New Mexico	329,483	Illinois	35,260	Missouri	4,719
4	Illinois	45,895	Oklahoma	3,175,008	Oklahoma	211,808	Minnesota	30,107	Illinois	3,196
5	Kentucky	36,111	Ohio	2,654,186	Colorado	189,707	South Dakota	28,809	Indiana	2,105
6	Montana	34,468	West Virginia	2,155,757	Alaska	169,947	Indiana	25,137	Washington	1,808
7	Indiana	31,559	Colorado	1,988,714	California	161,485	Wisconsin	15,000	North Dakota	1,789
8	North Dakota	26,997	New Mexico	1,787,334	Wyoming	102,104	Ohio	14,934	Minnesota	1,692
9	Texas	23,307	Wyoming	1,460,477	Louisiana	45,923	Kansas	12,826	Arkansas	1,581
10	New Mexico	14,536	North Dakota	851,750	Utah	36,695	North Dakota	12,407	Ohio	1,462
11	Utah	14,405	Arkansas	524,705	Kansas	33,193	Michigan	8,186	Kentucky	1,076
12	Alabama	14,124	Alaska	329,361	Ohio	28,039	Texas	7,165	Mississippi	1,070
13	Colorado	12,868	Utah	271,870	Montana	22,967	Missouri	6,597	Pennsylvania	1,023
14	Virginia	12,469	California	196,823	Mississippi	16,878	California	4,632	California	1,011
15	Ohio	7,779	Kansas	183,097	West Virginia	16,797	Tennessee	4,278	Oklahoma	757
16	Arizona	3,843	Alabama	130,065	Illinois	8,243	New York	3,519	Tennessee	741
17	Mississippi	2,697	Virginia	106,366	Pennsylvania	6,557	Colorado	3,287	Wisconsin	643
18	Louisiana	1,538	Michigan	83,733	Michigan	5,092	Georgia	2,792	Kansas	598
19	Maryland	1,471	Kentucky	77,882	Alabama	4,857	Pennsylvania	2,559	Nebraska	581
20	Alaska	975	Montana	43,263	Arkansas	4,610	Idaho	1,571	Connecticut	434
21	Tennessee	436	Mississippi	33,307	Kentucky	2,505	Oregon	892	Oregon	275
22	Oklahoma	227	New York	10,962	Nebraska	1,910	Kentucky	844	Alabama	275
23	Missouri	189	Indiana	5,044	Florida	1,705	Arizona	531	Michigan	247
24			Tennessee	2,810	Indiana	1,579	Virginia	93	Georgia	200
25			Illinois	2,210	South Dakota	1,166			Florida	169
26			Idaho	1,033	New York	274			Rhode Island	100
27			Florida	756	Nevada	267			Hawaii	89
28			South Dakota	414	Tennessee	201			Virginia	60
29			Oregon	399	Missouri	85			New Hampshire	57
30			Nebraska	384	Idaho	22			North Carolina	35
31			Arizona	66	Arizona	7			Massachusetts	17
32			Maryland	10	Virginia	6			Maine	9
33			Nevada	2					Montana	(s)
34			Missouri	1						
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<sup>a</sup> Includes refuse recovery.<sup>b</sup> Marketed production.<sup>c</sup> Includes lease condensate.<sup>d</sup> Includes denaturant.<sup>e</sup> United States production includes federal offshore production of natural gas

in the Gulf of Mexico. Federal offshore production along the Pacific Coast is included in California.

<sup>f</sup> Includes federal offshore production of crude oil in the Gulf of Mexico and along the Pacific coast.

(s) = Less than 0.5 of published unit.

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>