State Energy Production Estimates 1960 Through 2019

Independent Statistics & Analysis
U.S. Energy Information Administration

2019 Summary Tables

Table P1. Primary Energy Production Estimates in Physical Units, 2019

State	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
Alabama	14,124	130,065	4,857	0	275
Alaska	975	329,361	169,947	0	0
Arizona	3,843	66	7	531	0
Arkansas	0	524,705	4,610	0	1,581
California	0	196,823	161,485	4,632	1,011
Colorado	12,868	1,988,714	189,707	3,287	0
Connecticut	0	0	0	0	434
Delaware	0	0	0	0	0
District of Columbia	0	0	0	0	0
Florida	0	756	1,705	0	169
Georgia	0	0	0	2,792	200
Hawaii	0	0	0	0	89
Idaho	0	1,033	22	1,571	0
Illinois	45,895	2,210	8,243	35,260	3,196
Indiana	31,559	5,044	1,579	25,137	2,105
Iowa	0	0	0	104,135	8,143
Kansas	0	183,097	33,193	12,826	598
Kentucky	36,111	77,882	2,505	844	1,076
Louisiana	1,538	3,223,642	45,923	0	0
Maine	0	0	0	0	9
Maryland	1,471	10	0	0	0
Massachusetts	0	0	0	0	17
Michigan	0	83,733	5,092	8,186	247
Minnesota	0	0	0	30,107	1,692
Mississippi	2,697	33,307	16,878	0	1,070
Missouri	189	1	85	6,597	4,719
Montana	34,468	43,263	22,967	0	0
Nebraska	0	384	1,910	50,117	581
Nevada	0	2	267	0	0
New Hampshire	0	0	0	0	57
New Jersey	0	0	0	0	0
New Mexico	14,536	1,787,334	329,483	0	0
New York	0	10,962	274	3,519	0
North Carolina	0	0	0	0	35
North Dakota	26,997	851,750	518,874	12,407	1,789
Ohio	7,779	2,654,186	28,039	14,934	1,462
Oklahoma	227	3,175,008	211,808	0	757
Oregon	0	399	0	892	275
Pennsylvania	50,078	6,896,792	6,557	2,559	1,023
Rhode Island	0	0	0	0	100
South Carolina	0	0	0	0	0
South Dakota	0	414	1,166	28,809	0
Tennessee	436	2,810	201	4,278	741
Texas	23,307	9,301,616	1,850,715	7,165	5,096
Utah	14,405	271,870	36,695	0	0
Vermont	0	0	0	0	0
Virginia	12,469	106,366	6	93	60
Washington	0	0	0	0	1,808
West Virginia	93,425	2,155,757	16,797	0	0
Wisconsin	0	0	0	15,000	643
Wyoming	276,912	1,460,477	102,104	0	0
Federal Offshore - Gulf of Mexico	—	1,015,349	692,376	—	—
Federal Offshore - Pacific	—	(e)	4,449	—	—
United States	706,309	36,515,188	4,470,526	375,678	41,060

[a] Includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

[e] Production of federal offshore natural gas along the Pacific coast is included in California.

— = Not applicable.

Where shown, (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

Table P2. Primary Energy Production Estimates in Trillion Btu, 2019

State	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
Alabama	350.5	138.4	27.7	455.9	1.5	171.3	105.3	1,250.6
Alaska	14.9	365.3	968.4	0.0	0.0	6.8	16.0	1,371.3
Arizona	82.2	0.1	(s)	333.3	3.0	11.4	133.8	563.8
Arkansas	0.0	534.5	26.3	141.8	8.6	85.0	39.9	836.0
California	0.0	220.8	920.1	168.8	31.4	139.3	968.9	2,449.4
Colorado	270.5	2,385.5	1,081.0	0.0	18.4	18.0	130.3	3,903.7
Connecticut	0.0	0.0	0.0	174.7	2.4	23.3	11.5	211.9
Delaware	0.0	0.0	0.0	0.0	0.0	1.5	2.1	3.6
District of Columbia	0.0	0.0	0.0	0.0	0.0	1.1	0.9	2.0
Florida	0.0	1.2	9.7	303.9	0.9	166.9	80.3	563.0
Georgia	0.0	0.0	0.0	350.8	16.7	227.0	57.9	652.3
Hawaii	0.0	0.0	0.0	0.0	0.5	4.9	19.9	25.3
Idaho	0.0	1.1	0.1	0.0	8.8	37.7	122.6	170.3
Illinois	1,014.4	2.3	47.0	1,031.0	214.9	19.1	135.4	2,464.1
Indiana	712.2	5.3	9.0	0.0	152.2	36.2	66.4	981.4
Iowa	0.0	0.0	0.0	54.7	627.6	20.3	244.2	946.8
Kansas	0.0	212.7	189.1	96.6	75.1	7.7	189.7	770.9
Kentucky	853.0	89.3	14.3	0.0	10.6	37.4	41.2	1,045.8
Louisiana	21.3	3,375.1	261.7	146.0	0.0	117.4	16.3	3,937.7
Maine	0.0	0.0	0.0	0.0	(s)	94.0	54.3	148.4
Maryland	34.7	(s)	0.0	156.8	0.0	17.7	37.8	247.0
Massachusetts	0.0	0.0	0.0	22.7	0.1	33.1	40.9	96.9
Michigan	0.0	90.2	29.0	343.6	47.2	111.1	74.5	695.7
Minnesota	0.0	0.0	0.0	147.3	177.8	65.0	120.4	510.6
Mississippi	28.4	34.3	96.2	115.2	5.8	56.6	4.0	340.5
Missouri	4.2	(s)	0.5	96.0	62.6	28.0	49.1	240.4
Montana	608.9	47.7	130.9	0.0	(s)	18.1	111.1	916.6
Nebraska	0.0	0.4	10.9	72.6	283.9	5.5	77.8	451.1
Nevada	0.0	(s)	1.5	0.0	0.0	4.1	109.2	114.9
New Hampshire	0.0	0.0	0.0	113.9	0.3	37.5	18.1	169.9
New Jersey	0.0	0.0	0.0	278.1	0.0	16.8	32.6	327.5
New Mexico	268.3	2,087.5	1,877.4	0.0	0.0	15.3	78.7	4,327.3
New York	0.0	11.3	1.6	468.5	19.7	96.0	336.1	933.1
North Carolina	0.0	0.0	0.0	437.7	0.2	124.0	129.8	691.7
North Dakota	361.9	1,188.3	2,956.5	0.0	79.2	1.9	129.2	4,717.0
Ohio	192.4	2,903.8	159.8	177.6	91.6	52.6	28.5	3,606.3
Oklahoma	5.2	3,689.0	1,206.9	0.0	4.1	34.4	293.8	5,233.4
Oregon	0.0	0.4	0.0	0.0	6.5	78.9	340.8	426.7
Pennsylvania	1,250.9	7,296.2	37.4	869.1	19.9	113.4	68.2	9,655.0
Rhode Island	0.0	0.0	0.0	0.0	0.5	4.2	4.1	8.8
South Carolina	0.0	0.0	0.0	585.8	0.0	112.1	37.8	735.7
South Dakota	0.0	0.5	6.6	0.0	161.4	3.3	97.2	269.0
Tennessee	11.3	2.9	1.1	373.0	28.0	58.1	94.5	569.0
Texas	308.4	11,224.1	10,545.4	431.2	67.8	86.4	808.6	23,472.0
Utah	326.0	299.6	209.1	0.0	0.0	5.9	42.3	882.9
Vermont	0.0	0.0	0.0	0.0	0.0	22.9	18.1	41.0
Virginia	320.3	111.9	(s)	308.0	0.8	116.4	25.4	882.8
Washington	0.0	0.0	0.0	92.6	9.8	118.4	650.8	871.6
West Virginia	2,422.2	2,598.7	95.7	0.0	0.0	12.0	29.9	5,158.6
Wisconsin	0.0	0.0	0.0	104.7	87.5	101.1	42.3	335.7
Wyoming	4,828.5	1,653.9	581.8	0.0	0.0	5.0	48.3	7,117.4
Federal Offshore - Gulf of Mexico	—	1,162.2	3,945.2	—	—	—	—	5,107.4
Federal Offshore - Pacific	—	(g)	25.4	—	—	—	—	25.4
United States	14,290.7	41,734.8	25,473.1	8,451.9	2,327.5	2,782.3	6,416.7	101,477.0

[a] Includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption.
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy.
[g] Production of federal offshore natural gas along the Pacific coast is included in California.
— = Not applicable. (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

Table P3. Total Primary Energy Production and Total Energy Consumption Estimates in Trillion Btu, 2019

State	Total Production	Total Consumption	Consumption less Production [a]
	Trillion Btu		
Alabama	1,251	1,923	672
Alaska	1,371	615	-756
Arizona	564	1,550	986
Arkansas	836	1,095	259
California	2,449	7,802	5,353
Colorado	3,904	1,576	-2,327
Connecticut	212	736	524
Delaware	4	297	293
District of Columbia	2	168	166
Florida	563	4,376	3,813
Georgia	652	2,963	2,311
Hawaii	25	308	282
Idaho	170	563	393
Illinois	2,464	3,959	1,494
Indiana	981	2,777	1,796
Iowa	947	1,634	688
Kansas	771	1,123	352
Kentucky	1,046	1,723	677
Louisiana	3,938	4,295	357
Maine	148	384	235
Maryland	247	1,353	1,106
Massachusetts	97	1,468	1,371
Michigan	696	2,882	2,187
Minnesota	511	1,900	1,390
Mississippi	340	1,086	746
Missouri	240	1,804	1,564
Montana	917	446	-470
Nebraska	451	901	450
Nevada	115	774	659
New Hampshire	170	320	150
New Jersey	328	2,101	1,773
New Mexico	4,327	736	-3,592
New York	933	3,856	2,923
North Carolina	692	2,653	1,961
North Dakota	4,717	668	-4,049
Ohio	3,606	3,634	28
Oklahoma	5,233	1,676	-3,558
Oregon	427	1,028	601
Pennsylvania	9,655	3,815	-5,840
Rhode Island	9	190	181
South Carolina	736	1,628	893
South Dakota	269	402	133
Tennessee	569	2,170	1,601
Texas	23,472	14,227	-9,245
Utah	883	855	-28
Vermont	41	137	96
Virginia	883	2,419	1,536
Washington	872	2,076	1,204
West Virginia	5,159	827	-4,332
Wisconsin	336	1,847	1,511
Wyoming	7,117	541	-6,577
United States	101,477 [b]	100,266 [c]	-1,211

[a] Represents net interstate flows, net international imports, and stock changes.

[b] U.S. total production includes 5,133 trillion Btu of federal offshore production not allocated to the states.

[c] U.S. total consumption includes -21 trillion Btu of net imports of coal coke that is not allocated to the states.

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

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

Rank	Fossil Fuels						Renewable Energy			
	Coal [a]		Natural Gas [b]		Crude Oil [c]		Fuel Ethanol [d]		Biodiesel	
	State	Thousand Short Tons	State	Million Cubic Feet	State	Thousand Barrels	State	Thousand Barrels	State	Thousand Barrels
	United States	706,309	United States [e]	36,515,188	United States [f]	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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[a] Includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

[e] 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.

[f] 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

Table P5A. Primary Energy Production Estimates, Fossil Fuels and Nuclear Energy, in Trillion Btu, Ranked by State, 2019

Rank	Fossil Fuels						Nuclear Electric Power	
	Coal [a]		Natural Gas [b]		Crude Oil [c]			
	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu
	United States	14,290.7	United States [d]	41,734.8	United States [e]	25,473.1	United States	8,451.9
1	Wyoming	4,828.5	Texas	11,224.1	Texas	10,545.4	Illinois	1,031.0
2	West Virginia	2,422.2	Pennsylvania	7,296.2	North Dakota	2,956.5	Pennsylvania	869.1
3	Pennsylvania	1,250.9	Oklahoma	3,689.0	New Mexico	1,877.4	South Carolina	585.8
4	Illinois	1,014.4	Louisiana	3,375.1	Oklahoma	1,206.9	New York	468.5
5	Kentucky	853.0	Ohio	2,903.8	Colorado	1,081.0	Alabama	455.9
6	Indiana	712.2	West Virginia	2,598.7	Alaska	968.4	North Carolina	437.7
7	Montana	608.9	Colorado	2,385.5	California	920.1	Texas	431.2
8	North Dakota	361.9	New Mexico	2,087.5	Wyoming	581.8	Tennessee	373.0
9	Alabama	350.5	Wyoming	1,653.9	Louisiana	261.7	Georgia	350.8
10	Utah	326.0	North Dakota	1,188.3	Utah	209.1	Michigan	343.6
11	Virginia	320.3	Arkansas	534.5	Kansas	189.1	Arizona	333.3
12	Texas	308.4	Alaska	365.3	Ohio	159.8	Virginia	308.0
13	Colorado	270.5	Utah	299.6	Montana	130.9	Florida	303.9
14	New Mexico	268.3	California	220.8	Mississippi	96.2	New Jersey	278.1
15	Ohio	192.4	Kansas	212.7	West Virginia	95.7	Ohio	177.6
16	Arizona	82.2	Alabama	138.4	Illinois	47.0	Connecticut	174.7
17	Maryland	34.7	Virginia	111.9	Pennsylvania	37.4	California	168.8
18	Mississippi	28.4	Michigan	90.2	Michigan	29.0	Maryland	156.8
19	Louisiana	21.3	Kentucky	89.3	Alabama	27.7	Minnesota	147.3
20	Alaska	14.9	Montana	47.7	Arkansas	26.3	Louisiana	146.0
21	Tennessee	11.3	Mississippi	34.3	Kentucky	14.3	Arkansas	141.8
22	Oklahoma	5.2	New York	11.3	Nebraska	10.9	Mississippi	115.2
23	Missouri	4.2	Indiana	5.3	Florida	9.7	New Hampshire	113.9
24			Tennessee	2.9	Indiana	9.0	Wisconsin	104.7
25			Illinois	2.3	South Dakota	6.6	Kansas	96.6
26			Florida	1.2	New York	1.6	Missouri	96.0
27			Idaho	1.1	Nevada	1.5	Washington	92.6
28			South Dakota	0.5	Tennessee	1.1	Nebraska	72.6
29			Oregon	0.4	Missouri	0.5	Iowa	54.7
30			Nebraska	0.4	Idaho	0.1	Massachusetts	22.7
31			Arizona	0.1	Arizona	(s)		
32			Maryland	(s)	Virginia	(s)		
33			Nevada	(s)				
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[a] Includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] 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.

[e] Includes federal offshore production of crude oil in the Gulf of Mexico and along the Pacific coast.

(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

Table P5B. Primary Energy Production Estimates, Renewable and Total Energy, in Trillion Btu, Ranked by State, 2019

Rank	Renewable Energy						Total Primary Energy	
	Biofuels [a]		Wood and Waste [b]		Other [c]			
	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu
	United States	2,327.5	United States	2,782.3	United States	6,416.7	United States [d]	101,477.0
1	Iowa	627.6	Georgia	227.0	California	968.9	Texas	23,472.0
2	Nebraska	283.9	Alabama	171.3	Texas	808.6	Pennsylvania	9,655.0
3	Illinois	214.9	Florida	166.9	Washington	650.8	Wyoming	7,117.4
4	Minnesota	177.8	California	139.3	Oregon	340.8	Oklahoma	5,233.4
5	South Dakota	161.4	North Carolina	124.0	New York	336.1	West Virginia	5,158.6
6	Indiana	152.2	Washington	118.4	Oklahoma	293.8	North Dakota	4,717.0
7	Ohio	91.6	Louisiana	117.4	Iowa	244.2	New Mexico	4,327.3
8	Wisconsin	87.5	Virginia	116.4	Kansas	189.7	Louisiana	3,937.7
9	North Dakota	79.2	Pennsylvania	113.4	Illinois	135.4	Colorado	3,903.7
10	Kansas	75.1	South Carolina	112.1	Arizona	133.8	Ohio	3,606.3
11	Texas	67.8	Michigan	111.1	Colorado	130.3	Illinois	2,464.1
12	Missouri	62.6	Wisconsin	101.1	North Carolina	129.8	California	2,449.4
13	Michigan	47.2	New York	96.0	North Dakota	129.2	Alaska	1,371.3
14	California	31.4	Maine	94.0	Idaho	122.6	Alabama	1,250.6
15	Tennessee	28.0	Texas	86.4	Minnesota	120.4	Kentucky	1,045.8
16	Pennsylvania	19.9	Arkansas	85.0	Montana	111.1	Indiana	981.4
17	New York	19.7	Oregon	78.9	Nevada	109.2	Iowa	946.8
18	Colorado	18.4	Minnesota	65.0	Alabama	105.3	New York	933.1
19	Georgia	16.7	Tennessee	58.1	South Dakota	97.2	Montana	916.6
20	Kentucky	10.6	Mississippi	56.6	Tennessee	94.5	Utah	882.9
21	Washington	9.8	Ohio	52.6	Florida	80.3	Virginia	882.8
22	Idaho	8.8	Idaho	37.7	New Mexico	78.7	Washington	871.6
23	Arkansas	8.6	New Hampshire	37.5	Nebraska	77.8	Arkansas	836.0
24	Oregon	6.5	Kentucky	37.4	Michigan	74.5	Kansas	770.9
25	Mississippi	5.8	Indiana	36.2	Pennsylvania	68.2	South Carolina	735.7
26	Oklahoma	4.1	Oklahoma	34.4	Indiana	66.4	Michigan	695.7
27	Arizona	3.0	Massachusetts	33.1	Georgia	57.9	North Carolina	691.7
28	Connecticut	2.4	Missouri	28.0	Maine	54.3	Georgia	652.3
29	Alabama	1.5	Connecticut	23.3	Missouri	49.1	Tennessee	569.0
30	Florida	0.9	Vermont	22.9	Wyoming	48.3	Arizona	563.8
31	Virginia	0.8	Iowa	20.3	Wisconsin	42.3	Florida	563.0
32	Rhode Island	0.5	Illinois	19.1	Utah	42.3	Minnesota	510.6
33	Hawaii	0.5	Montana	18.1	Kentucky	41.2	Nebraska	451.1
34	New Hampshire	0.3	Colorado	18.0	Massachusetts	40.9	Oregon	426.7
35	North Carolina	0.2	Maryland	17.7	Arkansas	39.9	Mississippi	340.5
36	Massachusetts	0.1	New Jersey	16.8	Maryland	37.8	Wisconsin	335.7
37	Maine	(s)	New Mexico	15.3	South Carolina	37.8	New Jersey	327.5
38	Montana	(s)	West Virginia	12.0	New Jersey	32.6	South Dakota	269.0
39			Arizona	11.4	West Virginia	29.9	Maryland	247.0
40			Kansas	7.7	Ohio	28.5	Missouri	240.4
41			Alaska	6.8	Virginia	25.4	Connecticut	211.9
42			Utah	5.9	Hawaii	19.9	Idaho	170.3
43			Nebraska	5.5	New Hampshire	18.1	New Hampshire	169.9
44			Wyoming	5.0	Vermont	18.1	Maine	148.4
45			Hawaii	4.9	Louisiana	16.3	Nevada	114.9
46			Rhode Island	4.2	Alaska	16.0	Massachusetts	96.9
47			Nevada	4.1	Connecticut	11.5	Vermont	41.0
48			South Dakota	3.3	Rhode Island	4.1	Hawaii	25.3
49			North Dakota	1.9	Mississippi	4.0	Rhode Island	8.8
50			Delaware	1.5	Delaware	2.1	Delaware	3.6
51			District of Columbia	1.1	District of Columbia	0.9	District of Columbia	2.0

[a] Biomass inputs (feedstock) to the production of biofuels.

[b] Wood energy production and biomass waste energy consumption.

[c] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy.

[d] 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

United States Production Tables

Table PT1. Primary Energy Production Estimates in Physical Units, United States, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	436,425	12,771,038	2,574,933	NA	NA
1961	422,535	13,254,025	2,621,758	NA	NA
1962	441,072	13,876,622	2,676,189	NA	NA
1963	479,356	14,746,663	2,752,723	NA	NA
1964	506,453	15,546,592	2,786,822	NA	NA
1965	529,355	16,039,753	2,848,514	NA	NA
1966	549,065	17,206,628	3,027,763	NA	NA
1967	567,031	18,171,325	3,215,742	NA	NA
1968	558,995	19,322,400	3,329,042	NA	NA
1969	573,226	20,698,240	3,371,751	NA	NA
1970	614,969	21,920,642	3,517,450	NA	NA
1971	563,122	22,493,012	3,453,914	NA	NA
1972	602,491	22,531,698	3,455,368	NA	NA
1973	598,569	22,647,549	3,360,903	NA	NA
1974	610,021	21,600,522	3,202,585	NA	NA
1975	654,641	20,108,661	3,056,779	NA	NA
1976	684,914	19,952,438	2,976,180	NA	NA
1977	697,205	20,025,463	3,009,265	NA	NA
1978	670,164	19,974,033	3,178,216	NA	NA
1979	781,135	20,471,260	3,121,310	NA	NA
1980	829,747	20,179,724	3,146,365	NA	NA
1981	823,771	19,955,823	3,128,624	1,978	NA
1982	838,096	18,582,001	3,156,715	5,369	NA
1983	781,905	16,884,095	3,170,999	9,890	NA
1984	895,798	18,304,341	3,249,696	12,150	NA
1985	883,640	17,270,223	3,274,553	14,693	NA
1986	890,316	16,858,673	3,168,252	16,954	NA
1987	918,760	17,432,903	3,047,378	19,497	NA
1988	950,266	17,918,463	2,979,126	19,780	NA
1989	980,741	18,095,148	2,778,771	20,062	NA
1990	1,029,077	18,593,792	2,684,679	17,802	NA
1991	995,984	18,532,439	2,707,043	20,627	NA
1992	997,543	18,711,808	2,624,631	23,453	NA
1993	945,425	18,981,915	2,499,044	27,484	NA
1994	1,033,507	19,709,525	2,431,483	30,689	NA
1995	1,032,973	19,506,474	2,394,268	32,325	NA
1996	1,063,858	19,812,241	2,366,021	23,178	NA
1997	1,089,933	19,866,092	2,354,832	30,674	NA
1998	1,117,533	19,961,349	2,281,921	33,453	NA
1999	1,100,470	19,804,848	2,146,726	34,881	NA
2000	1,073,611	20,197,510	2,130,720	38,627	NA
2001	1,127,687	20,570,293	2,117,521	42,028	204
2002	1,094,283	19,884,781	2,096,587	50,956	250
2003	1,071,752	19,974,358	2,061,994	66,772	338
2004	1,112,100	19,517,490	1,991,394	81,058	666
2005	1,131,500	18,927,095	1,892,097	92,961	2,162
2006	1,162,751	19,409,672	1,856,339	116,294	5,963
2007	1,146,636	20,196,348	1,851,973	155,263	11,662
2008	1,171,808	21,112,051	1,829,878	221,637	16,145
2009	1,074,921	21,647,934	1,955,194	260,424	12,281
2010	1,084,369	22,381,873	2,001,805 R	316,617	8,177
2011	1,095,628	24,036,351	2,068,539 R	331,646	23,035
2012	1,016,458	25,283,280	2,386,533 R	314,714	23,588
2013	984,842	25,562,233	2,735,355 R	316,493	32,368
2014	1,000,049	27,497,754	3,208,129 R	340,781	30,452
2015	896,941	28,772,045	3,447,972 R	352,553	30,080
2016	728,364	28,400,047	3,239,655 R	366,981	37,327
2017	774,609	29,237,824 R	3,420,544 R	379,435	37,993
2018	756,167	33,008,867 R	4,001,895 R	383,127	44,222
2019	706,309	36,515,188	4,470,526	375,678	41,060

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available. R = Revised.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, United States, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	10,590	14,131 R	14,935	6	NA	1,320	1,608	42,591 R
1961	10,239	14,656 R	15,206	20	NA	1,295	1,657	43,074 R
1962	10,671	15,332 R	15,522	26	NA	1,300	1,817	44,668 R
1963	11,605	16,279 R	15,966	38	NA	1,323	1,773	46,985 R
1964	12,274	17,159 R	16,164	40	NA	1,337	1,888	48,861 R
1965	12,832	17,696 R	16,521	43	NA	1,335	2,061	50,489 R
1966	13,281	18,964 R	17,561	64	NA	1,369	2,063	53,303 R
1967	13,697	20,006 R	18,651	88	NA	1,340	2,350	56,133 R
1968	13,487	21,255 R	19,308	142	NA	1,419	2,353	57,965 R
1969	13,833	22,734 R	19,556	154	NA	1,440	2,654	60,372 R
1970	14,877	24,048 R	20,401	239	NA	1,431	2,639	63,636 R
1971	13,518	24,697 R	20,033	413	NA	1,432	2,830	62,923 R
1972	14,392	24,769 R	20,041	584	NA	1,503	2,879	64,168 R
1973	14,006	24,824 R	19,493	910	NA	1,529	2,882	63,644 R
1974	14,025	23,675 R	18,575	1,272	NA	1,540	3,202	62,289 R
1975	14,982	22,053 R	17,729	1,900	NA	1,499	3,188	61,351 R
1976	15,689	21,854 R	17,262	2,111	NA	1,713	3,014	61,644 R
1977	15,760	21,953 R	17,454	2,702	NA	1,838	2,371	62,077 R
1978	14,979	21,856 R	18,434	3,024	NA	2,038	2,968	63,298 R
1979	17,618	22,405 R	18,104	2,776	NA	2,152	2,971	66,025 R
1980	18,630	22,219	18,249	2,739	NA	2,472	2,953	67,261
1981	18,524	22,025	18,146	3,008	13	2,587	2,817	67,120
1982	18,827	20,527	18,309	3,131	34	2,630	3,316	66,774
1983	17,364	18,738	18,392	3,203	63	2,841	3,591	64,192
1984	19,914	20,310	18,848	3,553	77	2,894	3,467	69,063
1985	19,514	19,252	18,992	4,076	93	2,923	3,068	67,918
1986	19,676	18,756	18,376	4,380	107	2,825	3,179	67,300
1987	20,295	19,455	17,675	4,754	123	2,755	2,747	67,804
1988	20,949	19,976	17,279	5,587	124	2,892	2,441	69,247
1989	21,517	20,067	16,117	5,602	125	3,034	3,075	69,538
1990	22,761	20,623	15,571	6,104	111	2,626	3,305	71,101
1991	21,869	20,615	15,701	6,422	128	2,654	3,286	70,675
1992	21,898	20,832	15,223	6,479	145	2,787	2,889	70,252
1993	20,358	21,008	14,494	6,410	169	2,737	3,173	68,351
1994	22,346	21,765	14,103	6,694	188	2,839	2,960	70,894
1995	22,179	21,589	13,887	7,075	198	2,901	3,458	71,287
1996	22,839	21,958	13,723	7,087	141	3,014	3,856	72,617
1997	23,413	22,300	13,658	6,597	186	2,919	3,909	72,982
1998	23,917	22,156	13,235	7,068	202	2,726	3,564	72,869
1999	23,177	21,842	12,451	7,610	211	2,754	3,551	71,597
2000	22,595	22,320	12,358	7,862	233	2,773	3,096	71,238
2001	23,588	22,585	12,282	8,029	254	2,374	2,538	71,649
2002	22,730	21,894	12,160	8,145	308	2,397	3,025	70,661
2003	22,055	21,943	11,960	7,960	401	2,403	3,138	69,860
2004	22,822	21,550	11,550	8,223	486	2,510	3,067	70,207
2005	23,183	20,900	10,974	8,161	561	2,538	3,120	69,438
2006	23,644	21,381	10,767	8,215	716	2,496	3,375	70,593
2007	23,337	22,182	10,741	8,459	970	2,502	3,038	71,230
2008	23,706	23,103	10,613	8,426	1,374	2,494	3,323	73,041
2009	21,690	23,689	11,340	8,355	1,570	2,387	3,668	72,700
2010	21,831	24,593	11,610	8,434	1,868	2,685	3,761	74,783
2011	22,057	26,409	11,998 R	8,269	2,029	2,675	4,595	78,032 R
2012	20,585	27,872	13,842 R	8,062	1,929	2,618	4,339	79,247 R
2013	19,902	28,421	15,865 R	8,244	1,981	2,835	4,602	81,851 R
2014	20,171	30,873	18,607 R	8,338	2,103	2,917	4,746	87,755 R
2015	17,931	32,717	19,712 R	8,337	2,161	2,830	4,737	88,426 R
2016	14,538	32,428	18,537 R	8,427	2,275	2,802 R	5,348	84,355 R
2017	15,549	33,469 R	19,576 R	8,419	2,344	2,758 R	6,097	88,213 R
2018	15,280	37,762 R	22,835 R	8,438	2,397	2,843 R	6,269 R	95,825 R
2019	14,291	41,735	25,473	8,452	2,328	2,782	6,417	101,477

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available. R = Revised.

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

State Production Tables

Table PT1. Primary Energy Production Estimates in Physical Units, Alabama, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	13,011	57	7,329	NA	NA
1961	12,915	56	6,931	NA	NA
1962	12,880	128	7,473	NA	NA
1963	12,359	177	9,175	NA	NA
1964	14,435	166	8,498	NA	NA
1965	14,832	203	8,064	NA	NA
1966	14,219	252	8,030	NA	NA
1967	15,486	248	7,348	NA	NA
1968	16,440	230	7,635	NA	NA
1969	17,456	180	7,701	NA	NA
1970	20,560	627	7,263	NA	NA
1971	17,945	355	7,832	NA	NA
1972	20,814	3,644	9,934	NA	NA
1973	19,230	11,271	11,677	NA	NA
1974	19,824	27,865	13,323	NA	NA
1975	22,644	37,814	13,477	NA	NA
1976	21,537	41,427	14,706	NA	NA
1977	21,545	57,227	18,252	NA	NA
1978	20,553	85,599	19,829	NA	NA
1979	24,176	85,815	19,161	NA	NA
1980	26,403	65,294	22,153	NA	NA
1981	24,467	79,244	20,680	0	NA
1982	26,556	75,003	20,014	0	NA
1983	23,812	90,801	18,746	0	NA
1984	27,088	101,822	19,804	0	NA
1985	27,797	107,342	21,581	0	NA
1986	25,826	107,184	21,122	0	NA
1987	25,540	117,241	20,607	0	NA
1988	26,518	129,524	20,797	0	NA
1989	27,992	128,411	19,813	0	NA
1990	29,030	135,276	18,538	0	NA
1991	27,269	170,847	18,637	0	NA
1992	25,796	275,805	19,025	0	NA
1993	24,768	301,509	18,677	0	NA
1994	23,266	394,770	18,345	0	NA
1995	24,640	375,958	18,731	0	NA
1996	24,637	378,786	16,868	0	NA
1997	24,468	388,596	14,832	0	NA
1998	23,013	392,394	12,398	0	NA
1999	19,504	381,701	11,123	0	NA
2000	19,324	363,467	10,457	0	NA
2001	19,513	356,810	9,334	0	0
2002	19,061	356,061	8,636	0	0
2003	20,207	346,145	7,894	0	0
2004	22,329	316,021	7,443	0	0
2005	21,453	296,528	7,861	0	0
2006	19,022	286,220	7,539	0	0
2007	19,522	270,407	7,171	0	100
2008	21,157	257,884	7,696	0	114
2009	19,171	236,029	7,189	0	8
2010	20,396	222,932	7,155	0	0
2011	19,381	195,581	8,373	0	0
2012	19,455	215,710	9,525	0	26
2013	18,628	196,326	10,408	0	586 R
2014	16,377	181,060	9,825	0	426 R
2015	13,193	168,246	9,694	0	356 R
2016	9,643	164,815	8,107	0	351 R
2017	12,861	150,038	6,827	0	292
2018	14,783	139,477	5,884	0	304
2019	14,124	130,065	4,857	0	275

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production. Prior to 1997, differs from marketed production as reported in EIA's *Natural Gas Annual*, which includes federal offshore production in those years.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Alabama, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	318.8	0.1	42.5	0.0	NA	45.7	67.1	474.2
1961	316.5	0.1	40.2	0.0	NA	46.2	71.9	474.8
1962	315.6	0.2	43.3	0.0	NA	46.0	79.6	484.7
1963	302.8	0.3	53.2	0.0	NA	45.8	66.9	469.0
1964	353.7	0.3	49.3	0.0	NA	46.3	91.7	541.3
1965	363.4	0.3	46.8	0.0	NA	47.6	74.2	532.4
1966	348.4	0.4	46.6	0.0	NA	49.1	72.1	516.6
1967	379.5	0.4	42.6	0.0	NA	49.1	95.3	566.9
1968	402.8	0.4	44.3	0.0	NA	52.9	76.8	577.2
1969	427.7	0.3	44.7	0.0	NA	53.3	78.5	604.6
1970	503.8	1.0	42.1	0.0	NA	52.4	80.1	679.4
1971	439.7	0.9	45.4	0.0	NA	54.1	104.1	644.2
1972	510.0	4.2	57.6	0.0	NA	58.7	106.2	736.8
1973	453.4	11.9	67.7	3.4	NA	59.1	122.6	718.2
1974	463.4	29.5	77.3	70.2	NA	58.5	108.3	807.1
1975	534.7	40.0	78.2	30.0	NA	57.6	127.1	867.5
1976	508.5	43.7	85.3	46.6	NA	62.9	98.1	845.0
1977	505.6	60.4	105.9	210.2	NA	66.7	108.0	1,056.9
1978	492.2	91.3	115.0	249.8	NA	66.6	81.8	1,096.6
1979	579.9	96.5	111.1	240.3	NA	67.9	122.9	1,218.7
1980	633.4	75.4	128.5	256.3	NA	141.0	97.7	1,332.3
1981	592.5	90.1	119.9	260.8	0.0	150.2	63.1	1,276.7
1982	645.4	87.1	116.1	306.7	0.0	153.3	112.2	1,420.7
1983	577.1	101.9	108.7	274.2	0.0	164.5	117.5	1,344.0
1984	657.1	113.4	114.9	262.5	0.0	175.1	112.7	1,435.8
1985	676.3	120.0	125.2	152.0	0.0	175.4	71.9	1,320.8
1986	634.5	118.8	122.5	122.3	0.0	159.0	54.8	1,211.9
1987	627.5	129.0	119.5	117.5	0.0	151.7	77.9	1,223.0
1988	649.8	141.3	120.6	137.6	0.0	157.5	55.6	1,262.4
1989	680.3	140.5	114.9	122.0	0.0	165.0	137.4	1,360.1
1990	707.8	147.5	107.5	127.5	0.0	143.7	108.0	1,341.9
1991	662.2	183.8	108.1	166.4	0.0	143.2	112.4	1,376.0
1992	623.9	292.3	110.3	203.1	0.0	148.7	106.3	1,484.7
1993	600.9	319.6	108.3	187.2	0.0	174.9	93.3	1,484.1
1994	568.6	415.8	106.4	214.1	0.0	214.5	118.1	1,637.3
1995	607.2	395.3	108.6	218.0	0.0	222.0	98.1	1,649.2
1996	607.0	399.8	97.8	312.0	0.0	208.6	114.8	1,740.0
1997	600.7	411.6	86.0	310.3	0.0	181.9	117.8	1,708.3
1998	568.3	414.2	71.9	300.7	0.0	209.2	107.9	1,672.2
1999	477.6	422.5	64.5	322.8	0.0	210.7	79.5	1,577.6
2000	472.7	414.4	60.7	327.1	0.0	203.8	59.5	1,538.2
2001	470.0	391.3	54.1	317.0	0.0	165.0	86.5	1,483.9
2002	460.2	390.1	50.1	332.7	0.0	162.8	89.9	1,485.7
2003	486.4	374.8	45.8	330.1	0.0	155.1	128.4	1,520.5
2004	531.2	348.2	43.2	329.9	0.0	184.1	106.6	1,543.2
2005	518.4	327.3	45.6	330.8	0.0	178.0	101.6	1,501.7
2006	443.0	326.3	43.7	333.0	0.0	194.1	72.1	1,412.2
2007	469.0	308.0	41.6	360.0	0.5	187.1	41.0	1,407.3
2008	506.8	289.3	44.6	407.6	0.6	172.7	60.6	1,482.3
2009	459.5	267.1	41.7	415.4	(s)	142.0	122.5	1,448.3
2010	493.1	256.1	41.5	396.6	0.0	157.1	85.1	1,429.5
2011	468.7	225.6	48.6	411.8	0.0	169.3	86.5	1,410.5
2012	488.1	229.9	55.2	428.0	0.1	171.1	71.0	1,443.4
2013	469.2	211.3	60.4	426.5	3.2	187.2	123.3	1,481.0 R
2014	414.4	195.6	57.0	431.4	2.3	178.2	90.3	1,369.1
2015	331.4	182.5	55.4	438.7	1.9	164.9	92.1	1,267.0
2016	247.6	176.3	46.4	417.3	1.9	163.8	65.1	1,118.4
2017	326.7	159.7	39.1	446.1	1.6	169.9 R	87.1	1,230.1 R
2018	370.5	149.6	33.6	412.6	1.7	172.9 R	105.0	1,245.9 R
2019	350.5	138.4	27.7	455.9	1.5	171.3	105.3	1,250.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production. Prior to 1997, differs from marketed production as reported in EIA's *Natural Gas Annual*, which includes federal offshore production in those years.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Alaska, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	722	246	559	NA	NA
1961	737	631	6,327	NA	NA
1962	871	2,184	10,259	NA	NA
1963	853	4,498	10,740	NA	NA
1964	745	6,272	11,059	NA	NA
1965	893	7,255	11,128	NA	NA
1966	927	11,267	14,358	NA	NA
1967	925	14,438	29,126	NA	NA
1968	750	17,343	66,204	NA	NA
1969	667	50,864	73,953	NA	NA
1970	549	111,576	83,616	NA	NA
1971	698	121,618	79,494	NA	NA
1972	668	125,596	72,893	NA	NA
1973	694	131,007	72,323	NA	NA
1974	700	128,935	70,603	NA	NA
1975	766	160,270	69,834	NA	NA
1976	706	166,072	63,398	NA	NA
1977	705	187,889	169,201	NA	NA
1978	731	203,088	448,620	NA	NA
1979	789	220,754	511,335	NA	NA
1980	791	230,588	591,646	NA	NA
1981	808	242,564	587,337	0	NA
1982	833	264,364	618,910	0	NA
1983	786	276,691	625,527	0	NA
1984	859	289,129	630,401	0	NA
1985	1,433	321,346	666,233	0	NA
1986	1,570	304,841	681,310	0	NA
1987	1,492	359,837	715,955	0	NA
1988	1,745	378,638	738,143	0	NA
1989	1,582	393,729	683,979	0	NA
1990	1,706	402,907	647,309	0	NA
1991	1,436	437,822	656,349	0	NA
1992	1,534	443,597	627,322	0	NA
1993	1,601	430,350	577,495	0	NA
1994	1,567	555,402	568,951	0	NA
1995	1,698	469,550	541,654	0	NA
1996	1,481	480,828	509,999	0	NA
1997	1,450	468,311	472,949	0	NA
1998	1,344	466,648	428,850	0	NA
1999	1,565	462,967	383,199	0	NA
2000	1,641	458,995	355,199	0	NA
2001	1,514	471,440	351,411	0	0
2002	1,146	463,301	359,382	0	0
2003	1,081	489,757	355,603	0	0
2004	1,512	471,899	332,441	0	0
2005	1,454	487,282	315,387	0	0
2006	1,425	444,724	270,481	0	0
2007	1,324	433,485	263,595	0	0
2008	1,477	398,442	249,893	0	0
2009	1,860	397,077	235,510	0	0
2010	2,151	374,226	218,904	0	0
2011	2,149	356,225	204,829	0	0
2012	2,052	351,259	192,401	0	0
2013	1,632	338,182	187,923	0	0
2014	1,502	345,310	181,130	0	0
2015	1,177	343,625	176,229	0	4
2016	932	332,749	179,378	0	5
2017	959	344,385	180,547	0	5
2018	902	341,315	174,801 R	0	3
2019	975	329,361	169,947	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Alaska, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	11.3	0.2	3.2	0.0	NA	3.7	3.1	21.6
1961	11.5	0.6	36.7	0.0	NA	4.1	3.2	56.1
1962	13.6	2.2	59.5	0.0	NA	4.2	3.2	82.7
1963	13.3	4.5	62.3	0.0	NA	4.4	3.4	87.9
1964	11.6	6.3	64.1	0.0	NA	4.7	3.4	90.2
1965	13.9	7.3	64.5	0.0	NA	4.9	3.7	94.3
1966	14.5	11.4	83.3	0.0	NA	5.0	3.3	117.4
1967	14.4	14.6	168.9	0.0	NA	4.7	3.8	206.4
1968	11.7	17.5	384.0	0.0	NA	4.7	3.8	421.7
1969	10.4	51.3 R	428.9	0.0	NA	4.9	3.6	499.1
1970	8.6	112.6	485.0	0.0	NA	5.0	3.8	615.0
1971	10.9	122.4	461.1	0.0	NA	5.3	3.8	603.5
1972	10.4	127.8	422.8	0.0	NA	5.1	3.6	569.6 R
1973	10.8	134.3	419.5	0.0	NA	4.9	3.0	572.4 R
1974	10.9	131.8	409.5	0.0	NA	4.9	3.4	560.5
1975	12.0	163.5	405.0	0.0	NA	4.9	3.7	589.1
1976	11.0	169.3 R	367.7	0.0	NA	5.2	4.0	557.3
1977	11.0	191.4 R	981.4	0.0	NA	6.1	5.3	1,195.3
1978	11.4	204.9	2,602.0	0.0	NA	5.9	4.9	2,829.1
1979	12.3	222.2	2,965.7	0.0	NA	6.0	4.7	3,211.0
1980	12.3	232.4	3,431.5	0.0	NA	2.7	5.6	3,684.6
1981	12.6	244.8	3,406.6	0.0	0.0	3.0	6.2	3,673.1
1982	13.0	265.4	3,589.7	0.0	0.0	2.9	5.9	3,876.8
1983	12.3	278.2	3,628.1	0.0	0.0	3.3	6.2	3,928.1
1984	13.4	295.5	3,656.3	0.0	0.0	3.9	7.2	3,976.4
1985	22.4	336.9	3,864.2	0.0	0.0	4.0	7.8	4,235.2
1986	24.5	315.8	3,951.6	0.0	0.0	2.3	8.4	4,302.6
1987	23.3	404.9	4,152.5	0.0	0.0	2.9	9.1	4,592.7
1988	27.2	431.6	4,281.2	0.0	0.0	3.1	9.7	4,752.8
1989	24.7	436.7	3,967.1	0.0	0.0	9.2	9.2	4,446.8
1990	26.6	432.9	3,754.4	0.0	0.0	8.2	10.2	4,232.2
1991	22.4	501.6	3,806.8	0.0	0.0	8.0	9.4	4,348.2
1992	23.9	513.4	3,638.5	0.0	0.0	8.8	9.5	4,194.1
1993	25.0	497.7	3,349.5	0.0	0.0	7.1	13.5	3,892.7
1994	24.4	622.3	3,299.9	0.0	0.0	9.7	13.9	3,970.2
1995	26.5	547.5	3,141.6	0.0	0.0	8.3	14.2	3,738.1
1996	23.1	557.2	2,958.0	0.0	0.0	8.0	13.1	3,559.5
1997	22.6	552.7	2,743.1	0.0	0.0	3.7	11.3	3,333.4
1998	21.0	547.0	2,487.3	0.0	0.0	1.9	11.4	3,068.6
1999	24.4	541.7	2,222.6	0.0	0.0	1.8	8.4	2,798.8
2000	25.6	549.2	2,060.2	0.0	0.0	1.9	10.3	2,647.2
2001	23.6	553.3	2,038.2	0.0	0.0	3.0	14.0	2,632.1
2002	17.9	539.4	2,084.4	0.0	0.0	3.2	14.7	2,659.6
2003	16.9	562.7	2,062.5	0.0	0.0	3.3	16.1	2,661.4
2004	23.6	543.8	1,928.2	0.0	0.0	3.3	15.1	2,513.9
2005	22.7	548.4	1,829.2	0.0	0.0	1.1	14.7	2,416.2
2006	22.2	497.1	1,568.8	0.0	0.0	1.1	12.2	2,101.4
2007	20.7	489.3	1,528.9	0.0	0.0	1.2	12.9	2,052.9
2008	23.0	448.5	1,449.4	0.0	0.0	1.2	11.7	1,933.8
2009	29.0	443.7	1,366.0	0.0	0.0	2.5	13.1	1,854.3
2010	33.6	419.3	1,269.6	0.0	0.0	2.7	14.3	1,739.5
2011	33.5	405.7	1,188.0	0.0	0.0	2.7	13.4	1,643.3
2012	31.3	399.4	1,115.9	0.0	0.0	2.3	15.5	1,564.5
2013	24.9	380.7	1,090.0	0.0	0.0	3.4	15.3	1,514.2
2014	22.9	381.9	1,050.6	0.0	0.0	3.5	16.3	1,475.2
2015	17.7	380.9	1,007.5	0.0	(s)	7.5	16.3	1,429.9
2016	13.9	369.9	1,026.4	0.0	(s)	8.0	17.1	1,435.4 R
2017	14.4	382.9	1,033.3	0.0	(s)	6.9	16.7	1,454.2
2018	13.8	375.3	997.4	0.0	(s)	7.4 R	16.8	1,410.6
2019	14.9	365.3	968.4	0.0	0.0	6.8	16.0	1,371.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Arizona, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	6	0	73	NA	NA
1961	0	0	73	NA	NA
1962	0	230	39	NA	NA
1963	0	1,334	68	NA	NA
1964	0	2,025	64	NA	NA
1965	0	3,106	97	NA	NA
1966	0	3,161	132	NA	NA
1967	1	1,255	2,924	NA	NA
1968	0	881	3,370	NA	NA
1969	0	1,136	2,433	NA	NA
1970	132	1,101	1,784	NA	NA
1971	1,146	868	1,236	NA	NA
1972	2,954	442	993	NA	NA
1973	3,247	125	804	NA	NA
1974	6,448	224	740	NA	NA
1975	6,986	208	635	NA	NA
1976	10,420	262	519	NA	NA
1977	11,059	240	427	NA	NA
1978	9,054	286	418	NA	NA
1979	11,389	247	472	NA	NA
1980	10,905	214	406	NA	NA
1981	11,609	187	357	0	NA
1982	12,364	99	335	0	NA
1983	11,404	132	237	0	NA
1984	11,522	45	215	0	NA
1985	9,625	85	175	0	NA
1986	11,556	63	161	0	NA
1987	11,379	60	131	0	NA
1988	12,398	56	113	0	NA
1989	11,935	1,360	137	0	NA
1990	11,304	2,125	121	0	NA
1991	13,203	1,225	111	0	NA
1992	12,512	771	94	0	NA
1993	12,173	597	73	0	NA
1994	13,056	752	65	0	NA
1995	11,947	558	71	0	NA
1996	10,442	463	84	0	NA
1997	11,723	452	82	0	NA
1998	11,315	457	78	0	NA
1999	11,787	474	66	0	NA
2000	13,111	368	59	0	NA
2001	13,418	307	59	0	0
2002	12,804	301	63	0	0
2003	12,059	443	47	0	0
2004	12,731	331	54	0	0
2005	12,072	233	50	0	0
2006	8,216	611	55	0	0
2007	7,983	655	43	659	9
2008	8,025	523	54	1,290	76
2009	7,474	712	46	1,308	40
2010	7,753	183	37	1,176 R	0
2011	8,111	168	37	1,144 R	0
2012	7,493	117	52	807 R	0
2013	7,603	72	60	0	24
2014	8,051	106	56	1,057 R	24
2015	6,805	95	37	1,154 R	2
2016	5,423	47	8	1,078 R	10
2017	6,221	56	13	1,155 R	0
2018	6,550	42 R	11	1,184 R	0
2019	3,843	66	7	531	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Arizona, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.1	0.0	0.4	0.0	NA	4.0	32.2	36.7
1961	0.0	0.0	0.4	0.0	NA	3.8	31.2	35.5
1962	0.0	0.2	0.2	0.0	NA	3.7	30.9	35.0
1963	0.0	1.4	0.4	0.0	NA	4.0	30.8	36.7
1964	0.0	2.1	0.4	0.0	NA	4.1	30.2	36.8
1965	0.0	3.3	0.6	0.0	NA	3.7	46.4	53.9
1966	0.0	3.3	0.8	0.0	NA	3.7	54.4	62.2
1967	(s)	1.3	17.0	0.0	NA	4.2	52.2	74.7
1968	0.0	0.9	19.5	0.0	NA	4.1	59.3	83.9
1969	0.0	1.2	14.1	0.0	NA	4.4	63.5	83.2
1970	2.9	1.2	10.3	0.0	NA	4.3	64.6	83.3
1971	25.3	0.9	7.2	0.0	NA	4.5	69.6	107.5
1972	65.2	0.5	5.8	0.0	NA	4.8	70.4	146.6
1973	71.7	0.1	4.7	0.0	NA	4.6	74.8	155.8
1974	142.4	0.2	4.3	0.0	NA	4.8	77.3	229.0
1975	154.3	0.2	3.7	0.0	NA	5.4	75.5	239.1
1976	230.1	0.3	3.0	0.0	NA	5.8	78.6	317.8
1977	244.2	0.3	2.5	0.0	NA	6.8	68.8	322.6
1978	199.9	0.3	2.4	0.0	NA	7.1	72.7	282.5
1979	251.5	0.3	2.7	0.0	NA	8.3	75.1	337.9
1980	240.8	0.2	2.4	0.0	NA	17.8	102.2	363.4
1981	256.3	0.2	2.1	0.0	0.0	21.5	71.1	351.2
1982	273.0	0.1	1.9	0.0	0.0	21.6	73.3	370.0
1983	251.8	0.1	1.4	0.0	0.0	23.6	152.4	429.3
1984	254.4	(s)	1.2	0.0	0.0	25.1	163.7	444.5
1985	212.5	0.1	1.0	12.0	0.0	25.6	146.1	397.3
1986	255.2	0.1	0.9	105.5	0.0	24.0	151.1	536.8
1987	251.3	0.1	0.8	140.5	0.0	17.5	105.6	515.7
1988	273.8	0.1	0.7	243.2	0.0	18.4	80.4	616.4
1989	263.5	1.4	0.8	83.1	0.0	15.6	85.9	450.3
1990	249.0	2.2	0.7	218.0	0.0	13.7	81.0	564.6
1991	290.3	1.3	0.6	263.1	0.0	14.6	74.2	644.0
1992	275.3	0.8	0.5	268.1	0.0	15.1	72.4	632.3
1993	267.5	0.6	0.4	231.6	0.0	13.6	73.1	586.8
1994	288.0	0.8	0.4	242.2	0.0	13.5	80.1	624.9
1995	262.5	0.6	0.4	283.5	0.0	14.4	89.6	651.0
1996	228.6	0.5	0.5	302.9	0.0	12.8	99.4	644.7
1997	256.5	0.5	0.5	307.6	0.0	14.5	127.1	706.7
1998	247.7	0.5	0.5	317.9	0.0	10.8	115.8	693.2
1999	258.1	0.5	0.4	317.8	0.0	11.2	103.7	691.7
2000	286.8	0.4	0.3	316.8	0.0	11.9	88.9	705.1
2001	293.3	0.3	0.3	300.0	0.0	8.4	82.1	684.4
2002	280.1	0.3	0.4	322.3	0.0	8.2	78.7	689.9
2003	262.3	0.4	0.3	297.9	0.0	8.5	74.6	643.9
2004	278.2	0.3	0.3	293.2	0.0	8.6	72.8	653.4
2005	263.4	0.2	0.3	269.3	0.0	11.4	67.0	611.6
2006	179.4	0.6	0.3	250.6	0.0	10.4	70.3	511.6
2007	173.9	0.7	0.2	280.9	3.9	11.1	68.3	539.0
2008	174.0	0.5	0.3	305.7	7.9	13.6	75.3	577.3
2009	160.7	0.7	0.3	320.7	7.8	6.3	66.8	563.3
2010	167.9	0.2	0.2	326.1	6.8 R	7.2	70.8	579.2 R
2011	174.8	0.2	0.2	327.3	6.6 R	6.1	99.6	614.7 R
2012	161.4	0.1	0.3	334.6	4.6 R	5.9	87.4	594.4 R
2013	163.7	0.1	0.3	328.4	0.1	6.4	92.5	591.5
2014	173.3	0.1	0.3	338.0	6.1 R	7.6	106.5 R	632.1 R
2015	146.5	0.1	0.2	340.2	6.6 R	8.7	113.7	615.8 R
2016	116.7	(s)	(s)	338.6	6.1 R	7.9	124.4	593.9 R
2017	134.0	0.1	0.1	338.2	6.5 R	8.1 R	134.9	621.8 R
2018	140.8	(s)	0.1	325.1	6.7 R	9.8 R	139.5	622.0 R
2019	82.2	0.1	(s)	333.3	3.0	11.4	133.8	563.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Arkansas, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	409	55,451	30,117	NA	NA
1961	395	59,547	29,246	NA	NA
1962	256	66,213	27,649	NA	NA
1963	221	76,101	27,406	NA	NA
1964	212	76,167	26,737	NA	NA
1965	226	82,831	25,930	NA	NA
1966	236	105,174	23,824	NA	NA
1967	189	116,522	21,075	NA	NA
1968	211	156,627	19,464	NA	NA
1969	228	169,257	18,049	NA	NA
1970	268	181,351	18,035	NA	NA
1971	276	172,154	18,263	NA	NA
1972	428	166,522	18,519	NA	NA
1973	434	157,529	18,016	NA	NA
1974	455	123,975	16,527	NA	NA
1975	488	116,237	16,133	NA	NA
1976	534	109,533	18,097	NA	NA
1977	563	104,096	20,202	NA	NA
1978	519	106,792	20,329	NA	NA
1979	251	109,452	18,869	NA	NA
1980	319	111,808	18,210	NA	NA
1981	229	92,986	18,352	0	NA
1982	161	124,611	18,849	0	NA
1983	88	127,561	18,849	0	NA
1984	82	135,161	18,730	0	NA
1985	80	155,099	19,044	0	NA
1986	167	131,075	15,778	0	NA
1987	84	141,151	14,230	0	NA
1988	276	166,573	13,606	0	NA
1989	70	174,158	11,261	0	NA
1990	59	174,956	10,386	0	NA
1991	52	164,702	10,305	0	NA
1992	58	202,479	10,260	0	NA
1993	44	196,370	9,975	0	NA
1994	51	187,673	9,568	0	NA
1995	29	187,242	8,910	0	NA
1996	21	221,822	8,814	0	NA
1997	18	208,514	8,429	0	NA
1998	24	188,372	7,998	0	NA
1999	22	170,006	7,150	0	NA
2000	12	171,642	7,154	0	NA
2001	17	166,804	7,592	0	0
2002	14	161,871	7,252	0	0
2003	8	169,599	7,209	0	0
2004	7	187,069	6,747	0	0
2005	3	190,533	6,175	0	39
2006	23	270,293	5,948	0	176
2007	83	269,886	6,031	0	184
2008	69	446,457	6,079	0	281
2009	5	679,952	5,755	0	274
2010	32	926,639	5,733	0	185
2011	133	1,072,212	5,877	0	702
2012	98	1,146,168	6,536	0	492
2013	59	1,139,654	6,640	0	874 R
2014	94	1,122,733	6,775	0	635 R
2015	91	1,010,382	6,229	0	815 R
2016	49	823,196	5,519	0	990 R
2017	43	694,676	5,288	0	1,244
2018	0	589,985 R	5,005 R	0	1,748
2019	0	524,705	4,610	0	1,581

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Arkansas, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	9.2	57.3	174.7	0.0	NA	37.4	10.7	289.3
1961	8.9	61.6	169.6	0.0	NA	36.3	14.9	291.2
1962	5.7	68.5	160.4	0.0	NA	36.4	11.2	282.2
1963	5.0	78.7	159.0	0.0	NA	36.7	5.2	284.5
1964	4.8	78.8	155.1	0.0	NA	36.9	5.9	281.3
1965	5.1	85.7	150.4	0.0	NA	35.1	11.3	287.5
1966	5.3	108.8	138.2	0.0	NA	35.2	16.5	303.9
1967	4.2	120.5	122.2	0.0	NA	33.3	12.8	293.1
1968	4.7	162.0	112.9	0.0	NA	33.7	31.2	344.6
1969	5.1	175.0	104.7	0.0	NA	34.7	30.1	349.6
1970	6.0	187.5	104.6	0.0	NA	34.3	22.7	355.1
1971	6.2	177.4	105.9	0.0	NA	34.7	18.9	343.1
1972	9.6	169.3	107.4	0.0	NA	36.9	17.1	340.2
1973	9.1	159.3	104.5	0.0	NA	37.6	44.2	354.6
1974	10.2	125.4	95.9	4.0	NA	36.7	44.6	316.9
1975	10.8	117.3	93.6	53.7	NA	35.9	35.7	346.9
1976	12.0	110.5	105.0	42.6	NA	41.3	21.0	332.4
1977	12.6	107.3	117.2	54.8	NA	51.1	18.7	361.6
1978	12.6	108.2	117.9	57.1	NA	52.0	25.1	373.0
1979	5.6	113.6	109.4	42.1	NA	45.8	34.9	351.5
1980	7.2	114.4	105.6	85.4	NA	52.4	17.6	382.6
1981	5.1	95.5	106.4	100.1	0.0	55.3	12.9	375.4
1982	3.6	127.1	109.3	82.9	0.0	55.6	22.0	400.5
1983	2.0	132.6	109.3	83.4	0.0	60.4	34.9	422.6
1984	1.8	139.9	108.6	117.2	0.0	63.0	28.4	459.0
1985	1.8	159.9	110.5	105.0	0.0	62.9	46.3	486.4
1986	3.7	135.7	91.5	93.9	0.0	61.8	29.4	416.1
1987	1.9	145.5	82.5	118.7	0.0	61.6	25.1	435.3
1988	6.2	169.9	78.9	94.3	0.0	63.8	28.8	441.8
1989	1.6	176.6	65.3	93.6	0.0	86.2	33.5	456.9
1990	1.3	177.9	60.2	119.4	0.0	70.6	39.4	468.8
1991	1.2	168.0	59.8	132.7	0.0	71.4	38.4	471.5
1992	1.3	205.0	59.5	118.6	0.0	76.3	36.3	497.0
1993	1.0	199.9	57.9	142.0	0.0	85.8	47.9	534.5
1994	1.1	192.7	55.5	145.5	0.0	82.5	37.1	514.5
1995	0.7	202.2	51.7	122.5	0.0	82.9	34.5	494.5
1996	0.5	228.4	51.1	140.3	0.0	87.8	30.2	538.2
1997	0.4	212.5	48.9	149.1	0.0	86.9	37.2	534.9
1998	0.5	193.6	46.4	137.4	0.0	82.0	33.0	492.8
1999	0.5	173.9	41.5	135.0	0.0	82.1	28.7	461.7
2000	0.3	175.5	41.5	121.5	0.0	83.5	25.2	447.4
2001	0.4	170.1	44.0	154.4	0.0	66.8	27.2	462.9
2002	0.3	166.2	42.1	152.0	0.0	72.9	35.7	469.3
2003	0.2	175.4	41.8	153.1	0.0	80.4	27.5	478.4
2004	0.2	189.9	39.1	161.1	0.0	75.9	37.0	503.2
2005	0.1	193.6	35.8	142.9	0.2	81.2	31.3	485.0
2006	0.5	278.7	34.5	159.0	1.0	84.1	15.9	573.6
2007	1.9	273.9	35.0	162.4	1.0	88.2	32.5	594.9
2008	1.5	453.4	35.3	148.1	1.5	76.8	46.5	763.1
2009	0.1	691.1	33.4	158.7	1.5	82.5	41.7	1,008.9
2010	0.7	938.1	33.3	157.0	1.0	88.7	36.6	1,255.3
2011	3.0	1,090.9	34.1	148.5	3.8	91.6	29.6	1,401.4
2012	2.1	1,164.0	37.9	162.4	2.7	89.7	21.8	1,480.6
2013	1.4	1,164.3	38.5	124.8	4.7	90.3	26.2	1,450.4
2014	1.9	1,142.7	39.3	151.4	3.4	90.4	26.0	1,455.1
2015	1.8	1,031.5	35.6	144.7	4.4	79.2	34.2	1,331.5 R
2016	1.0	839.5	31.6	140.4	5.4	75.9	34.1	1,127.8
2017	0.8	708.5	30.3	132.7	6.8	81.6 R	28.4	989.0 R
2018	0.0	600.5 R	28.6	133.0	9.5	86.3 R	30.3	888.1 R
2019	0.0	534.5	26.3	141.8	8.6	85.0	39.9	836.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, California, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	517,535	305,352	NA	NA
1961	0	556,241	299,609	NA	NA
1962	0	564,220	296,590	NA	NA
1963	0	646,486	300,908	NA	NA
1964	0	664,051	300,009	NA	NA
1965	0	660,384	316,428	NA	NA
1966	0	689,607	345,295	NA	NA
1967	0	681,080	359,219	NA	NA
1968	0	714,893	373,422	NA	NA
1969	0	677,689	365,348	NA	NA
1970	0	649,117	347,157	NA	NA
1971	0	612,629	327,380	NA	NA
1972	0	487,278	324,459	NA	NA
1973	0	449,369	317,257	NA	NA
1974	0	365,354	306,219	NA	NA
1975	0	318,308	306,764	NA	NA
1976	0	354,334	312,044	NA	NA
1977	0	311,462	337,351	NA	NA
1978	0	311,084	335,201	NA	NA
1979	0	248,206	341,297	NA	NA
1980	0	309,434	346,804	NA	NA
1981	0	380,359	365,370	0	NA
1982	0	383,977	373,176	0	NA
1983	0	415,324	374,161	0	NA
1984	0	476,333	381,621	0	NA
1985	71	491,283	394,002	91	NA
1986	0	462,218	378,059	97	NA
1987	46	424,621	364,608	106	NA
1988	54	399,663	354,730	107	NA
1989	41	362,860	331,174	101	NA
1990	61	362,748	320,868	85	NA
1991	57	378,384	319,497	100	NA
1992	103	365,632	305,488	105	NA
1993	0	315,851	293,090	111	NA
1994	0	309,427	286,060	123	NA
1995	0	279,555	278,977	119	NA
1996	0	286,494	282,409	49	NA
1997	0	285,690	285,172	87	NA
1998	0	315,277	283,627	103	NA
1999	0	382,715	273,017	95	NA
2000	0	376,580	271,132	115	NA
2001	0	377,824	260,663	126	3
2002	0	360,205	257,898	172	14
2003	0	337,216	248,093	202	19
2004	0	319,919	240,138	185	30
2005	0	317,637	230,230	363	65
2006	0	315,209	223,015	936	74
2007	0	307,160	218,518	2,128	77
2008	0	296,469	214,533	2,270	105
2009	0	276,575	207,262	1,178	82
2010	0	286,841	200,370	1,443 R	60
2011	0	250,177	196,172	3,674 R	227
2012	0	246,822	197,211	3,564 R	272
2013	0	252,310	198,928	3,533 R	589
2014	0	238,988	204,699	4,514 R	578
2015	0	236,648	201,284	4,650 R	747 R
2016	0	205,025	186,079	4,717 R	1,081
2017	0	212,458	173,403	5,051 R	1,001 R
2018	0	202,617 R	169,166	5,170 R	1,095
2019	0	196,823	161,485	4,632	1,011

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production. Includes Pacific federal offshore produciton.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, California, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	589.8 R	1,771.0	(s)	NA	82.1	188.1	2,631.0 R
1961	0.0	633.9 R	1,737.7	0.1	NA	83.5	164.7	2,619.9 R
1962	0.0	643.0 R	1,720.2	0.1	NA	86.9	242.1	2,692.4 R
1963	0.0	736.8 R	1,745.3	2.3	NA	93.0	267.3	2,844.6 R
1964	0.0	756.8 R	1,740.1	4.4	NA	98.4	233.3	2,832.9 R
1965	0.0	752.6 R	1,835.3	3.2	NA	97.5	321.0	3,009.6 R
1966	0.0	785.9 R	2,002.7	1.9	NA	100.7	275.2	3,166.4 R
1967	0.0	776.2 R	2,083.5	6.5	NA	101.9	371.3	3,339.3 R
1968	0.0	814.7 R	2,165.8	17.0	NA	110.3	287.1	3,394.9 R
1969	0.0	772.3 R	2,119.0	27.1	NA	116.3	428.7	3,463.4 R
1970	0.0	739.8 R	2,013.5	34.4	NA	116.8	405.1	3,309.6 R
1971	0.0	700.7 R	1,898.8	38.1	NA	119.2	414.6	3,171.5 R
1972	0.0	562.1 R	1,881.9	34.3	NA	127.6	344.7	2,950.6 R
1973	0.0	507.4 R	1,840.1	28.7	NA	130.1	423.0	2,929.4 R
1974	0.0	419.4 R	1,776.1	41.3	NA	134.7	510.4	2,881.9 R
1975	0.0	365.5 R	1,779.2	66.9	NA	127.5	451.1	2,790.2 R
1976	0.0	400.5 R	1,809.9	53.1	NA	144.8	278.1	2,686.3 R
1977	0.0	353.8 R	1,956.6	87.4	NA	152.0	186.1	2,735.9 R
1978	0.0	352.4 R	1,944.2	83.8	NA	160.3	416.3	2,956.9 R
1979	0.0	282.3 R	1,979.5	95.3	NA	168.4	391.4	2,917.0 R
1980	0.0	342.5	2,011.5	53.7	NA	115.6	476.3	2,999.6
1981	0.0	415.0	2,119.1	35.4	0.0	131.7	370.6	3,071.8
1982	0.0	432.9	2,164.4	41.4	0.0	123.3	575.7	3,337.6
1983	0.0	463.7	2,170.1	61.2	0.0	144.8	662.4	3,502.2
1984	0.0	527.2	2,213.4	153.4	0.0	162.7	530.9	3,587.6
1985	0.9	546.3	2,285.2	209.6	0.6	165.3	427.6	3,635.4
1986	0.0	511.6	2,192.7	277.3	0.6	127.4	539.0	3,648.6
1987	0.6	469.1	2,114.7	317.3	0.7	155.5	366.5	3,424.3
1988	0.6	444.6	2,057.4	327.2	0.7	164.6	346.8	3,342.0
1989	0.5	404.9	1,920.8	344.1	0.6	231.9	506.4	3,409.3
1990	0.7	401.4	1,861.0	346.0	0.5	218.4	450.4	3,278.5
1991	0.7	414.4	1,853.1	330.7	0.6	214.0	438.9	3,252.4
1992	1.2	402.6	1,771.8	369.0	0.7	225.7	415.9	3,187.0
1993	0.0	352.9	1,699.9	331.7	0.7	191.7	628.4	3,205.3
1994	0.0	340.4	1,659.1	352.8	0.8	192.7	440.1	2,985.9
1995	0.0	308.6	1,618.1	317.8	0.7	172.9	672.6	3,090.6
1996	0.0	320.8	1,638.0	358.1	0.3	167.6	649.8	3,134.7
1997	0.0	314.2	1,654.0	320.2	0.5	151.2	608.5	3,048.7
1998	0.0	350.2	1,645.0	362.9	0.6	141.1	691.3	3,191.2
1999	0.0	411.1	1,583.5	348.7	0.6	150.6	608.9	3,103.3
2000	0.0	391.3	1,572.6	366.8	0.7	158.3	577.6	3,067.3
2001	0.0	408.9	1,511.8	346.9	0.8	156.2	451.1	2,875.7
2002	0.0	395.0	1,495.8	358.7	1.1	162.1	513.1	2,925.8
2003	0.0	373.8	1,438.9	371.0	1.3	155.3	562.9	2,903.2
2004	0.0	356.8	1,392.8	315.6	1.3	155.8	540.5	2,762.8
2005	0.0	354.4	1,335.3	377.3	2.5	145.6	593.4	2,808.5
2006	0.0	351.7	1,293.5	333.5	5.9	138.8	677.7	2,801.1
2007	0.0	343.4	1,267.4	375.4	12.8	137.8	481.7	2,618.6
2008	0.0	331.8	1,244.3	339.5	13.7	140.8	449.9	2,520.1
2009	0.0	310.4	1,202.1	332.2	7.2	152.0	487.9	2,492.0
2010	0.0	320.7	1,162.1	336.6	8.6 R	159.4	546.4	2,533.9 R
2011	0.0	280.3	1,137.8	383.6	22.3 R	157.8	654.7	2,636.5 R
2012	0.0	278.2	1,143.8	193.9	21.9 R	156.1	523.4	2,317.3 R
2013	0.0	287.9	1,153.8	187.2	23.4 R	165.6	553.4	2,371.2 R
2014	0.0	271.8	1,187.3	177.7	28.8 R	166.8	554.5	2,386.7 R
2015	0.0	271.1	1,150.7	193.5	30.4 R	139.6	567.4	2,352.7 R
2016	0.0	234.1	1,064.7	197.8	32.5 R	129.6 R	767.4	2,426.0 R
2017	0.0	240.2	992.4	187.2	33.9 R	130.5 R	957.4 R	2,541.7 R
2018	0.0	228.9	965.3	190.4	35.0 R	133.3 R	857.5 R	2,410.4 R
2019	0.0	220.8	920.1	168.8	31.4	139.3	968.9	2,449.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production. Includes Pacific federal offshore production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Colorado, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	3,607	107,404	47,469	NA	NA
1961	3,678	108,142	46,759	NA	NA
1962	3,379	101,826	42,477	NA	NA
1963	3,691	105,705	38,283	NA	NA
1964	4,355	114,312	34,755	NA	NA
1965	4,790	126,381	33,511	NA	NA
1966	5,222	136,667	33,492	NA	NA
1967	5,439	116,857	33,905	NA	NA
1968	5,558	121,424	31,937	NA	NA
1969	5,530	118,754	28,294	NA	NA
1970	6,025	105,804	24,723	NA	NA
1971	5,337	108,537	27,391	NA	NA
1972	5,522	116,949	32,015	NA	NA
1973	6,233	137,725	36,590	NA	NA
1974	6,896	144,629	37,508	NA	NA
1975	8,219	171,629	38,089	NA	NA
1976	9,437	183,972	38,992	NA	NA
1977	11,989	188,792	39,460	NA	NA
1978	13,814	183,693	36,797	NA	NA
1979	18,491	191,239	32,324	NA	NA
1980	18,846	188,001	29,802	NA	NA
1981	19,897	195,706	30,303	4	NA
1982	18,318	209,892	30,545	12	NA
1983	16,732	163,545	29,050	22	NA
1984	17,967	173,257	28,845	27	NA
1985	17,243	178,233	30,246	29	NA
1986	15,237	163,684	29,309	31	NA
1987	14,420	164,557	28,802	34	NA
1988	15,912	191,544	32,352	34	NA
1989	17,123	216,737	30,655	32	NA
1990	18,910	242,997	30,453	27	NA
1991	17,834	285,961	31,382	31	NA
1992	19,226	323,041	29,787	28	NA
1993	21,886	400,985	29,398	31	NA
1994	25,304	453,207	28,613	29	NA
1995	25,710	523,084	27,977	27	NA
1996	24,886	572,071	24,953	11	NA
1997	27,449	637,375	25,617	19	NA
1998	29,631	696,321	22,364	22	NA
1999	29,989	722,738	18,469	20	NA
2000	29,137	752,985	18,481	23	NA
2001	33,372	817,206	16,520	25	0
2002	35,103	937,245	20,522	33	0
2003	35,831	1,011,285	21,508	39	0
2004	39,870	1,079,235	22,532	35	0
2005	38,510	1,133,086	23,227	111	162
2006	36,322	1,202,821	24,501	1,506	276
2007	36,384	1,242,571	26,183	2,196	337
2008	32,028	1,389,399	29,946	2,932	0
2009	28,267	1,499,070	30,394	2,974	0
2010	25,163	1,578,379	33,068 R	3,362 R	0
2011	26,890	1,637,576	39,497 R	3,424 R	0
2012	28,566	1,709,376	49,657 R	3,409 R	0
2013	24,236	1,604,860	66,303 R	3,447 R	0
2014	24,007	1,643,487	95,639 R	3,324 R	0
2015	18,879	1,688,733	123,417 R	3,479 R	0
2016	12,634	1,685,756	119,095 R	3,413 R	0
2017	15,047	1,706,364	136,447 R	3,477 R	0
2018	14,026	1,847,402 R	171,357 R	3,457 R	0
2019	12,868	1,988,714	189,707	3,287	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Colorado, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	78.8	110.9 R	275.3	0.0	NA	6.5	10.4	481.9 R
1961	80.3	111.7 R	271.2	0.0	NA	6.6	8.9	478.6 R
1962	73.8	105.1 R	246.4	0.0	NA	6.4	10.7	442.4 R
1963	80.6	109.1 R	222.0	0.0	NA	6.6	10.8	429.2 R
1964	95.1	118.0 R	201.6	0.0	NA	6.8	11.0	432.6 R
1965	104.6	130.5 R	194.4	0.0	NA	6.6	9.8	445.8 R
1966	114.0	141.1 R	194.3	0.0	NA	7.0	10.4	466.8 R
1967	118.8	120.7 R	196.6	0.0	NA	7.2	9.7	453.0 R
1968	121.4	125.4 R	185.2	0.0	NA	7.4	9.8	449.2 R
1969	120.7	122.6 R	164.1	0.0	NA	7.8	10.4	425.7 R
1970	131.5	109.3 R	143.4	0.0	NA	8.4	13.0	405.5 R
1971	116.5	113.8 R	158.9	0.0	NA	8.9	16.6	414.7 R
1972	120.6	122.0 R	185.7	0.0	NA	10.0	12.9	451.2 R
1973	132.2	141.6 R	212.2	0.0	NA	10.3	13.3	509.6 R
1974	148.6	151.8 R	217.5	0.0	NA	9.4	14.8	542.2 R
1975	172.5	175.0 R	220.9	0.0	NA	9.1	15.7	593.1 R
1976	202.2	190.6 R	226.2	0.0	NA	10.3	13.4	642.5 R
1977	261.9	195.1 R	228.9	2.4	NA	12.5	11.2	711.9 R
1978	299.9	185.1 R	213.4	6.7	NA	15.5	13.9	734.4 R
1979	404.7	198.7 R	187.5	2.3	NA	16.5	16.7	826.3 R
1980	412.5	215.5	172.9	7.3	NA	10.7	17.8	836.7
1981	433.4	224.0	175.8	8.3	(s)	14.1	14.6	870.2
1982	401.3	237.4	177.2	6.3	0.1	14.6	17.2	854.1
1983	365.2	187.1	168.5	8.2	0.1	15.7	19.7	764.5
1984	395.6	194.1	167.3	0.6	0.2	16.5	22.6	796.8
1985	379.5	200.9	175.4	(s)	0.2	17.0	24.6	797.3
1986	334.1	183.3	170.0	0.6	0.2	20.0	23.6	731.8
1987	316.1	183.5	167.1	1.8	0.2	13.2	18.9	700.9
1988	347.4	213.4	187.6	7.0	0.2	14.1	18.0	787.8
1989	365.3	242.6	177.8	5.6	0.2	11.3	18.8	821.6
1990	404.5	267.8	176.6	0.0	0.2	10.9	15.3	875.4
1991	384.2	321.9	182.0	0.0	0.2	12.4	19.3	920.0
1992	414.4	361.4	172.8	0.0	0.2	11.5	16.1	976.4
1993	475.0	437.9	170.5	0.0	0.2	11.1	20.3	1,115.1
1994	554.8	488.6	166.0	0.0	0.2	10.6	16.5	1,236.8
1995	565.8	574.9	162.3	0.0	0.2	10.7	22.6	1,336.6
1996	547.2	622.1	144.7	0.0	0.1	10.9	19.5	1,344.4
1997	598.0	689.0	148.6	0.0	0.1	11.8	21.4	1,469.0
1998	651.4	743.3	129.7	0.0	0.1	10.6	15.6	1,550.7
1999	662.7	768.7	107.1	0.0	0.1	11.1	16.8	1,566.5
2000	648.0	801.8	107.2	0.0	0.1	11.3	15.6	1,584.1
2001	741.2	873.5	95.8	0.0	0.2	6.8	16.7	1,734.2
2002	788.2	996.0	119.0	0.0	0.2	6.4	14.5	1,924.3
2003	801.1	1,078.3	124.7	0.0	0.2	6.6	15.0	2,026.0
2004	889.1	1,149.3	130.7	0.0	0.2	7.3	14.9	2,191.5
2005	857.0	1,219.8	134.7	0.0	1.5	8.7	22.7	2,244.5
2006	805.7	1,295.5	142.1	0.0	10.3	7.9	27.2	2,288.8
2007	815.5	1,336.5	151.9	0.0	14.7	8.7	30.8	2,358.0
2008	714.7	1,493.8	173.7	0.0	17.0	9.7	53.4	2,462.3
2009	614.6	1,620.9	176.3	0.0	17.2	11.8	51.1	2,491.9
2010	551.8	1,730.4	191.8 R	0.0	19.4 R	12.6	51.6	2,557.6 R
2011	586.8	1,822.7	229.1 R	0.0	19.7 R	12.2	74.4	2,744.9 R
2012	629.6	1,895.2	288.0	0.0	19.5 R	10.4	75.7	2,918.5 R
2013	529.1	1,799.4	384.6 R	0.0	19.7 R	13.4	86.2	2,832.4 R
2014	528.2	1,848.8	554.7 R	0.0	18.9 R	14.2	93.7	3,058.6 R
2015	403.6	1,965.2	705.6 R	0.0	19.7 R	14.9	91.8	3,200.8 R
2016	270.9	1,981.0	681.5 R	0.0	19.3 R	15.3	114.8	3,082.8 R
2017	320.0	2,028.8	780.9 R	0.0	19.6 R	15.5 R	118.0	3,282.8 R
2018	293.1	2,217.3 R	977.8 R	0.0	19.5 R	15.8 R	121.4	3,644.9 R
2019	270.5	2,385.5	1,081.0	0.0	18.4	18.0	130.3	3,903.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Connecticut, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	13
2007	0	0	0	0	27
2008	0	0	0	0	20
2009	0	0	0	0	18
2010	0	0	0	0	10
2011	0	0	0	0	33
2012	0	0	0	0	31
2013	0	0	0	0	132
2014	0	0	0	0	118
2015	0	0	0	0	132
2016	0	0	0	0	275
2017	0	0	0	0	254
2018	0	0	0	0	423
2019	0	0	0	0	434

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Connecticut, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	12.8	4.6	17.4
1961	0.0	0.0	0.0	0.0	NA	13.2	3.9	17.1
1962	0.0	0.0	0.0	0.0	NA	12.8	3.1	15.9
1963	0.0	0.0	0.0	0.0	NA	13.3	2.9	16.3
1964	0.0	0.0	0.0	0.0	NA	13.9	2.8	16.7
1965	0.0	0.0	0.0	0.0	NA	13.5	2.0	15.5
1966	0.0	0.0	0.0	0.0	NA	13.6	2.6	16.2
1967	0.0	0.0	0.0	6.1	NA	14.0	4.1	24.1
1968	0.0	0.0	0.0	33.9	NA	14.9	3.7	52.6
1969	0.0	0.0	0.0	40.2	NA	15.3	4.4	59.9
1970	0.0	0.0	0.0	39.6	NA	15.8	3.5	58.9
1971	0.0	0.0	0.0	84.2	NA	16.1	4.1	104.4
1972	0.0	0.0	0.0	83.9	NA	17.1	5.6	106.6
1973	0.0	0.0	0.0	46.9	NA	17.2	4.6	68.8
1974	0.0	0.0	0.0	89.0	NA	18.0	4.5	111.5
1975	0.0	0.0	0.0	89.6	NA	17.1	5.1	111.8
1976	0.0	0.0	0.0	136.2	NA	19.9	4.0	160.1
1977	0.0	0.0	0.0	141.9	NA	19.6	4.5	166.0
1978	0.0	0.0	0.0	151.7	NA	22.7	3.7	178.1
1979	0.0	0.0	0.0	138.2	NA	24.6	4.8	167.6
1980	0.0	0.0	0.0	129.1	NA	41.1	2.7	172.8
1981	0.0	0.0	0.0	139.8	0.0	40.2	2.7	182.7
1982	0.0	0.0	0.0	150.9	0.0	37.6	3.9	192.3
1983	0.0	0.0	0.0	126.4	0.0	44.2	4.0	174.6
1984	0.0	0.0	0.0	155.0	0.0	37.1	3.9	196.0
1985	0.0	0.0	0.0	135.1	0.0	37.5	2.8	175.4
1986	0.0	0.0	0.0	197.5	0.0	31.6	3.9	233.0
1987	0.0	0.0	0.0	214.5	0.0	27.2	3.6	245.3
1988	0.0	0.0	0.0	235.9	0.0	31.0	3.4	270.3
1989	0.0	0.0	0.0	207.0	0.0	31.4	4.7	243.1
1990	0.0	0.0	0.0	209.3	0.0	28.7	6.0	244.0
1991	0.0	0.0	0.0	128.4	0.0	30.3	4.6	163.3
1992	0.0	0.0	0.0	175.6	0.0	34.5	4.5	214.5
1993	0.0	0.0	0.0	229.0	0.0	34.8	4.4	268.1
1994	0.0	0.0	0.0	210.7	0.0	35.3	5.1	251.2
1995	0.0	0.0	0.0	197.0	0.0	42.2	3.9	243.1
1996	0.0	0.0	0.0	65.4	0.0	49.4	6.7	121.4
1997	0.0	0.0	0.0	(s)	0.0	45.9	4.8	49.4
1998	0.0	0.0	0.0	34.0	0.0	44.4	4.8	83.2
1999	0.0	0.0	0.0	132.5	0.0	44.7	4.6	181.7
2000	0.0	0.0	0.0	170.7	0.0	44.9	5.6	221.3
2001	0.0	0.0	0.0	161.1	0.0	26.5	3.3	190.9
2002	0.0	0.0	0.0	155.8	0.0	24.5	3.8	184.1
2003	0.0	0.0	0.0	167.6	0.0	25.1	6.1	198.8
2004	0.0	0.0	0.0	172.5	0.0	25.1	5.1	202.7
2005	0.0	0.0	0.0	162.4	0.0	20.4	5.3	188.1
2006	0.0	0.0	0.0	173.1	0.1	19.6	6.1	198.8
2007	0.0	0.0	0.0	171.9	0.1	19.5	4.4	195.9
2008	0.0	0.0	0.0	161.3	0.1	19.8	6.4	187.7
2009	0.0	0.0	0.0	174.2	0.1	23.4	6.1	203.7
2010	0.0	0.0	0.0	175.1	0.1	25.3	5.0	205.4
2011	0.0	0.0	0.0	166.7	0.2	23.9	6.7	197.4
2012	0.0	0.0	0.0	179.0	0.2	22.5	4.3	205.9
2013	0.0	0.0	0.0	178.5	0.7	23.9	5.5	208.5
2014	0.0	0.0	0.0	165.7	0.6	25.6	6.4	198.4
2015	0.0	0.0	0.0	182.1	0.7	26.7	5.8	215.3
2016	0.0	0.0	0.0	173.4	1.5	26.4	6.3	207.6
2017	0.0	0.0	0.0	172.6	1.4	23.2 R	8.3	205.5 R
2018	0.0	0.0	0.0	176.5	2.3	23.6 R	11.7	214.1 R
2019	0.0	0.0	0.0	174.7	2.4	23.3	11.5	211.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Delaware, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	0	0	0	0
2010	0	0	0	0	0
2011	0	0	0	0	0
2012	0	0	0	0	0
2013	0	0	0	0	0
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Delaware, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	5.0	0.0	5.0
1961	0.0	0.0	0.0	0.0	NA	5.1	0.0	5.1
1962	0.0	0.0	0.0	0.0	NA	5.1	0.0	5.1
1963	0.0	0.0	0.0	0.0	NA	5.4	0.0	5.4
1964	0.0	0.0	0.0	0.0	NA	5.5	0.0	5.5
1965	0.0	0.0	0.0	0.0	NA	5.6	0.0	5.6
1966	0.0	0.0	0.0	0.0	NA	5.9	0.0	5.9
1967	0.0	0.0	0.0	0.0	NA	5.8	0.0	5.8
1968	0.0	0.0	0.0	0.0	NA	6.6	(s)	6.6
1969	0.0	0.0	0.0	0.0	NA	7.1	0.0	7.1
1970	0.0	0.0	0.0	0.0	NA	7.0	0.0	7.0
1971	0.0	0.0	0.0	0.0	NA	7.7	0.0	7.7
1972	0.0	0.0	0.0	0.0	NA	8.2	0.0	8.2
1973	0.0	0.0	0.0	0.0	NA	8.5	0.0	8.5
1974	0.0	0.0	0.0	0.0	NA	8.5	0.0	8.5
1975	0.0	0.0	0.0	0.0	NA	7.9	0.0	7.9
1976	0.0	0.0	0.0	0.0	NA	9.6	0.0	9.6
1977	0.0	0.0	0.0	0.0	NA	10.2	0.0	10.2
1978	0.0	0.0	0.0	0.0	NA	10.7	0.0	10.7
1979	0.0	0.0	0.0	0.0	NA	8.7	0.0	8.7
1980	0.0	0.0	0.0	0.0	NA	2.5	0.0	2.5
1981	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
1982	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2
1983	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2
1984	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9
1985	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0
1986	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8
1987	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2
1988	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3
1989	0.0	0.0	0.0	0.0	0.0	2.4	0.1	2.5
1990	0.0	0.0	0.0	0.0	0.0	1.6	0.1	1.7
1991	0.0	0.0	0.0	0.0	0.0	1.6	0.1	1.7
1992	0.0	0.0	0.0	0.0	0.0	1.7	0.1	1.8
1993	0.0	0.0	0.0	0.0	0.0	2.4	0.1	2.5
1994	0.0	0.0	0.0	0.0	0.0	2.3	0.1	2.4
1995	0.0	0.0	0.0	0.0	0.0	2.4	0.1	2.5
1996	0.0	0.0	0.0	0.0	0.0	2.5	0.1	2.6
1997	0.0	0.0	0.0	0.0	0.0	2.1	0.1	2.2
1998	0.0	0.0	0.0	0.0	0.0	1.8	0.1	1.9
1999	0.0	0.0	0.0	0.0	0.0	1.9	0.1	2.0
2000	0.0	0.0	0.0	0.0	0.0	2.2	0.1	2.3
2001	0.0	0.0	0.0	0.0	0.0	1.2	0.1	1.3
2002	0.0	0.0	0.0	0.0	0.0	1.2	0.1	1.3
2003	0.0	0.0	0.0	0.0	0.0	1.2	0.2	1.4
2004	0.0	0.0	0.0	0.0	0.0	1.3	0.2	1.4
2005	0.0	0.0	0.0	0.0	0.0	0.8	0.2	1.0
2006	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.9
2007	0.0	0.0	0.0	0.0	0.0	1.2	0.3	1.5
2008	0.0	0.0	0.0	0.0	0.0	2.6	0.3	3.0
2009	0.0	0.0	0.0	0.0	0.0	3.1	0.5	3.6
2010	0.0	0.0	0.0	0.0	0.0	3.3	0.6	3.8
2011	0.0	0.0	0.0	0.0	0.0	3.3	0.8	4.2
2012	0.0	0.0	0.0	0.0	0.0	2.5	1.1	3.6
2013	0.0	0.0	0.0	0.0	0.0	2.3	1.5	3.8
2014	0.0	0.0	0.0	0.0	0.0	2.6	1.7	4.2
2015	0.0	0.0	0.0	0.0	0.0	1.8	1.7	3.5
2016	0.0	0.0	0.0	0.0	0.0	1.5	1.6	3.1
2017	0.0	0.0	0.0	0.0	0.0	1.4	1.8	3.3
2018	0.0	0.0	0.0	0.0	0.0	1.4	2.0	3.4
2019	0.0	0.0	0.0	0.0	0.0	1.5	2.1	3.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, District of Columbia, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	0	0	0	0
2010	0	0	0	0	0
2011	0	0	0	0	0
2012	0	0	0	0	0
2013	0	0	0	0	0
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, District of Columbia, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.2
1961	0.0	0.0	0.0	0.0	NA	0.1	0.1	0.2
1962	0.0	0.0	0.0	0.0	NA	0.1	0.1	0.2
1963	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1964	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1965	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1966	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1967	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1968	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1969	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1970	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1971	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1972	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1973	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1974	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1975	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1976	0.0	0.0	0.0	0.0	NA	0.1	(s)	0.1
1977	0.0	0.0	0.0	0.0	NA	0.2	0.0	0.2
1978	0.0	0.0	0.0	0.0	NA	0.2	0.0	0.2
1979	0.0	0.0	0.0	0.0	NA	0.2	0.0	0.2
1980	0.0	0.0	0.0	0.0	NA	2.8	0.0	2.8
1981	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3
1982	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7
1983	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6
1984	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2
1985	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3
1986	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0
1987	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2
1988	0.0	0.0	0.0	0.0	0.0	2.4	0.0	2.4
1989	0.0	0.0	0.0	0.0	0.0	2.5	(s)	2.5
1990	0.0	0.0	0.0	0.0	0.0	1.3	(s)	1.3
1991	0.0	0.0	0.0	0.0	0.0	1.3	(s)	1.3
1992	0.0	0.0	0.0	0.0	0.0	1.4	(s)	1.4
1993	0.0	0.0	0.0	0.0	0.0	1.9	(s)	1.9
1994	0.0	0.0	0.0	0.0	0.0	1.8	(s)	1.8
1995	0.0	0.0	0.0	0.0	0.0	1.9	(s)	1.9
1996	0.0	0.0	0.0	0.0	0.0	1.9	(s)	1.9
1997	0.0	0.0	0.0	0.0	0.0	1.4	(s)	1.4
1998	0.0	0.0	0.0	0.0	0.0	1.2	(s)	1.2
1999	0.0	0.0	0.0	0.0	0.0	1.3	(s)	1.3
2000	0.0	0.0	0.0	0.0	0.0	1.4	(s)	1.4
2001	0.0	0.0	0.0	0.0	0.0	0.9	(s)	0.9
2002	0.0	0.0	0.0	0.0	0.0	0.9	(s)	0.9
2003	0.0	0.0	0.0	0.0	0.0	0.9	(s)	0.9
2004	0.0	0.0	0.0	0.0	0.0	0.9	(s)	0.9
2005	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)
2006	0.0	0.0	0.0	0.0	0.0	(s)	(s)	0.1
2007	0.0	0.0	0.0	0.0	0.0	(s)	(s)	0.1
2008	0.0	0.0	0.0	0.0	0.0	(s)	(s)	0.1
2009	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)
2010	0.0	0.0	0.0	0.0	0.0	(s)	0.1	0.1
2011	0.0	0.0	0.0	0.0	0.0	(s)	0.3	0.3
2012	0.0	0.0	0.0	0.0	0.0	(s)	0.3	0.3
2013	0.0	0.0	0.0	0.0	0.0	(s)	0.3	0.3
2014	0.0	0.0	0.0	0.0	0.0	(s)	0.3	0.3
2015	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.8
2016	0.0	0.0	0.0	0.0	0.0	0.8	0.3	1.1
2017	0.0	0.0	0.0	0.0	0.0	0.8	0.5	1.3
2018	0.0	0.0	0.0	0.0	0.0	0.9	0.7	1.6
2019	0.0	0.0	0.0	0.0	0.0	1.1	0.9	2.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Florida, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	30	369	NA	NA
1961	0	29	374	NA	NA
1962	0	29	419	NA	NA
1963	0	35	464	NA	NA
1964	0	40	620	NA	NA
1965	0	107	1,464	NA	NA
1966	0	212	1,799	NA	NA
1967	0	123	1,568	NA	NA
1968	0	108	1,474	NA	NA
1969	0	50	1,731	NA	NA
1970	0	0	2,999	NA	NA
1971	0	903	5,347	NA	NA
1972	0	15,521	16,897	NA	NA
1973	0	33,857	32,695	NA	NA
1974	0	38,137	36,351	NA	NA
1975	0	44,383	41,877	NA	NA
1976	0	43,165	44,460	NA	NA
1977	0	48,171	46,641	NA	NA
1978	0	51,595	47,536	NA	NA
1979	0	50,190	47,168	NA	NA
1980	0	40,638	42,886	NA	NA
1981	0	32,470	34,773	0	NA
1982	0	22,515	25,626	0	NA
1983	0	21,056	19,476	0	NA
1984	0	12,585	14,462	0	NA
1985	0	10,545	11,458	0	NA
1986	0	8,833	9,383	0	NA
1987	0	8,281	8,270	0	NA
1988	0	7,484	7,746	0	NA
1989	0	7,534	7,289	0	NA
1990	0	6,483	5,675	0	NA
1991	0	4,884	4,725	0	NA
1992	0	6,657	5,425	0	NA
1993	0	7,085	5,604	0	NA
1994	0	7,486	6,093	0	NA
1995	0	6,463	5,693	0	NA
1996	0	6,006	6,292	0	NA
1997	0	6,114	6,381	0	NA
1998	0	5,796	5,971	0	NA
1999	0	5,933	4,895	0	NA
2000	0	6,491	4,626	0	NA
2001	0	5,710	4,426	0	(s)
2002	0	3,353	3,634	0	25
2003	0	3,087	3,263	0	33
2004	0	3,123	2,904	0	54
2005	0	2,616	2,585	0	208
2006	0	2,540	2,360	0	236
2007	0	1,778	2,078	0	241
2008	0	2,436	1,953	0	0
2009	0	257	696	0	0
2010	0	12,409	1,777	0	0
2011	0	15,125	2,023	0	0
2012	0	773	2,135	0	0
2013	0	292	2,174	0	213
2014	0	496	2,227	0	192
2015	0	764	2,208	0	119
2016	0	716	1,934	0	103
2017	0	708	1,923	0	157
2018	0	788	1,839	0	335
2019	0	756	1,705	0	169

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Florida, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	(s)	2.1	0.0	NA	32.7	3.0	37.9
1961	0.0	(s)	2.2	0.0	NA	31.6	2.8	36.6
1962	0.0	(s)	2.4	0.0	NA	33.3	2.5	38.3
1963	0.0	(s)	2.7	0.0	NA	35.8	2.8	41.4
1964	0.0	0.1	3.6	0.0	NA	36.0	3.0	42.7
1965	0.0	0.1	8.5	0.0	NA	36.8	3.1	48.6
1966	0.0	0.3	10.4	0.0	NA	39.7	3.0	53.5
1967	0.0	0.2	9.1	0.0	NA	41.6	3.0	53.8
1968	0.0	0.1	8.5	0.0	NA	47.0	2.5	58.3
1969	0.0	0.1	10.0	0.0	NA	48.6	2.9	61.6
1970	0.0	0.0	17.4	0.0	NA	48.0	3.1	68.4
1971	0.0	1.2	31.0	0.0	NA	47.3	2.7	82.2
1972	0.0	19.4	98.0	0.7	NA	51.9	2.5	172.5 R
1973	0.0	39.6 R	189.6	51.0	NA	53.8	2.4	336.5 R
1974	0.0	45.3	210.8	87.9	NA	49.8	2.6	396.4 R
1975	0.0	59.7 R	242.9	92.2	NA	47.6	2.4	444.8 R
1976	0.0	65.1 R	257.9	95.5	NA	53.8	2.7	475.0 R
1977	0.0	69.8 R	270.5	189.1	NA	57.4	2.5	589.3 R
1978	0.0	78.1 R	275.7	173.0	NA	63.0	2.4	592.2 R
1979	0.0	77.5 R	273.6	167.4	NA	66.9	2.5	588.0 R
1980	0.0	69.4	248.7	182.6	NA	87.8	2.2	590.7
1981	0.0	55.4	201.7	159.4	0.0	81.2	1.9	499.5
1982	0.0	40.8	148.6	213.9	0.0	101.9	2.7	508.0
1983	0.0	35.0	113.0	161.4	0.0	89.4	2.3	401.1
1984	0.0	24.0	83.9	261.1	0.0	106.5	2.2	477.7
1985	0.0	20.2	66.5	249.2	0.0	108.2	2.5	446.5
1986	0.0	16.9	54.4	233.1	0.0	114.1	2.2	420.8
1987	0.0	15.1	48.0	196.0	0.0	105.3	2.3	366.7
1988	0.0	13.8	44.9	277.8	0.0	111.6	2.2	450.3
1989	0.0	13.7	42.3	221.4	0.0	204.5	27.7	509.6
1990	0.0	11.6	32.9	230.5	0.0	170.3	28.7	473.9
1991	0.0	8.3	27.4	215.0	0.0	182.4	30.5	463.6
1992	0.0	11.2	31.5	263.0	0.0	199.3	31.5	536.4
1993	0.0	11.5	32.5	271.9	0.0	184.7	32.3	533.0
1994	0.0	10.7	35.3	278.9	0.0	181.8	33.7	540.5
1995	0.0	9.2	33.0	302.0	0.0	186.3	34.0	564.4
1996	0.0	8.8	36.5	267.5	0.0	206.0	34.3	553.1
1997	0.0	8.7	37.0	241.0	0.0	196.9	34.4	518.1
1998	0.0	8.3	34.6	326.4	0.0	171.7	33.8	574.9
1999	0.0	8.6	28.4	329.5	0.0	171.6	32.6	570.5
2000	0.0	8.9	26.8	336.8	0.0	164.0	31.0	567.5
2001	0.0	7.9	25.7	329.8	(s)	127.3	30.7	521.4
2002	0.0	4.9	21.1	351.9	0.1	144.1	30.2	552.4
2003	0.0	4.5	18.9	322.9	0.2	157.6	30.9	535.0
2004	0.0	4.4	16.8	325.5	0.3	149.0	30.5	526.5
2005	0.0	3.6	15.0	300.1	1.1	153.2	30.0	503.1
2006	0.0	3.5	13.7	327.9	1.3	155.5	30.0	532.0
2007	0.0	2.1	12.1	307.2	1.3	159.9	30.6	513.1
2008	0.0	2.5	11.3	335.9	0.0	162.7	32.5	545.0
2009	0.0	0.3	4.0	304.5	0.0	179.9	33.7	522.5
2010	0.0	12.6	10.3	250.2	0.0	194.4	35.9	503.4
2011	0.0	15.4	11.7	230.4	0.0	190.3	37.4	485.2
2012	0.0	0.8	12.4	187.3	0.0	184.1	38.9	423.5
2013	0.0	0.3	12.6	277.2	1.2	192.1	40.9	524.2
2014	0.0	0.9	12.9	291.5	1.0	188.5	41.8 R	536.6
2015	0.0	1.2	12.6	294.1	0.6	180.7	42.5	531.6 R
2016	0.0	1.1	11.1	306.7	0.6	180.3	42.5 R	542.2 R
2017	0.0	1.0	11.0	304.8	0.9	185.6 R	50.3	553.6 R
2018	0.0	1.1	10.5	306.5	1.8	179.7 R	65.5 R	565.1 R
2019	0.0	1.2	9.7	303.9	0.9	166.9	80.3	563.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Georgia, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	4	0	0	NA	NA
1961	4	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	74	0	0	NA	NA
1976	186	0	0	NA	NA
1977	226	0	0	NA	NA
1978	113	0	0	NA	NA
1979	26	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	28
2005	0	0	0	3	81
2006	0	0	0	9	92
2007	0	0	0	10	144
2008	0	0	0	596	260
2009	0	0	0	2,388	204
2010	0	0	0	2,329 R	93
2011	0	0	0	1,875 R	141
2012	0	0	0	1,423 R	199
2013	0	0	0	1,347 R	231
2014	0	0	0	2,137 R	208
2015	0	0	0	2,334 R	229
2016	0	0	0	2,700 R	326
2017	0	0	0	2,530 R	320
2018	0	0	0	2,413 R	254
2019	0	0	0	2,792	200

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Georgia, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.1	0.0	0.0	0.0	NA	71.2	24.8	96.1
1961	0.1	0.0	0.0	0.0	NA	70.2	24.4	94.7
1962	0.0	0.0	0.0	0.0	NA	69.7	27.0	96.8
1963	0.0	0.0	0.0	0.0	NA	72.4	30.8	103.2
1964	0.0	0.0	0.0	0.0	NA	73.2	45.1	118.3
1965	0.0	0.0	0.0	0.0	NA	74.2	33.8	108.0
1966	0.0	0.0	0.0	0.0	NA	74.7	34.8	109.5
1967	0.0	0.0	0.0	0.0	NA	70.8	38.6	109.5
1968	0.0	0.0	0.0	0.0	NA	73.6	32.7	106.4
1969	0.0	0.0	0.0	0.0	NA	73.3	32.6	105.8
1970	0.0	0.0	0.0	0.0	NA	71.8	26.4	98.2
1971	0.0	0.0	0.0	0.0	NA	74.4	34.6	109.0
1972	0.0	0.0	0.0	0.0	NA	79.6	35.1	114.7
1973	0.0	0.0	0.0	0.0	NA	81.6	44.0	125.6
1974	0.0	0.0	0.0	0.5	NA	83.4	38.2	122.1
1975	1.9	0.0	0.0	34.1	NA	78.3	45.1	159.3
1976	4.7	0.0	0.0	45.7	NA	89.2	46.0	185.5
1977	5.7	0.0	0.0	40.0	NA	94.0	42.1	181.8
1978	2.8	0.0	0.0	46.8	NA	99.3	38.9	187.8
1979	0.7	0.0	0.0	55.4	NA	103.3	45.9	205.2
1980	0.0	0.0	0.0	92.0	NA	98.1	45.9	236.1
1981	0.0	0.0	0.0	79.8	0.0	98.4	24.3	202.5
1982	0.0	0.0	0.0	73.1	0.0	105.7	38.2	217.0
1983	0.0	0.0	0.0	84.8	0.0	107.8	43.3	235.9
1984	0.0	0.0	0.0	59.3	0.0	116.3	43.2	218.8
1985	0.0	0.0	0.0	107.6	0.0	116.7	29.5	253.8
1986	0.0	0.0	0.0	76.6	0.0	119.2	22.5	218.3
1987	0.0	0.0	0.0	159.3	0.0	113.0	33.1	305.4
1988	0.0	0.0	0.0	160.6	0.0	117.4	21.3	299.3
1989	0.0	0.0	0.0	264.2	0.0	177.5	40.8	482.5
1990	0.0	0.0	0.0	262.4	0.0	187.6	47.9	497.9
1991	0.0	0.0	0.0	272.8	0.0	182.6	44.3	499.7
1992	0.0	0.0	0.0	293.1	0.0	183.5	51.0	527.6
1993	0.0	0.0	0.0	286.1	0.0	193.9	46.1	526.1
1994	0.0	0.0	0.0	302.3	0.0	196.0	44.9	543.2
1995	0.0	0.0	0.0	322.2	0.0	205.6	43.5	571.3
1996	0.0	0.0	0.0	314.3	0.0	208.3	48.6	571.2
1997	0.0	0.0	0.0	319.2	0.0	218.5	43.9	581.6
1998	0.0	0.0	0.0	329.2	0.0	202.9	53.6	585.8
1999	0.0	0.0	0.0	328.9	0.0	202.7	28.4	560.1
2000	0.0	0.0	0.0	338.7	0.0	196.6	25.6	560.8
2001	0.0	0.0	0.0	351.7	0.0	164.9	27.2	543.8
2002	0.0	0.0	0.0	324.8	0.0	255.7	28.0	608.5
2003	0.0	0.0	0.0	346.6	0.0	179.4	42.3	568.3
2004	0.0	0.0	0.0	351.9	0.2	189.4	37.4	578.8
2005	0.0	0.0	0.0	329.1	0.5	175.3	40.7	545.5
2006	0.0	0.0	0.0	334.0	0.6	181.3	25.9	541.7
2007	0.0	0.0	0.0	341.4	0.8	177.9	22.6	542.7
2008	0.0	0.0	0.0	331.2	4.9	148.0	21.6	505.8
2009	0.0	0.0	0.0	331.4	14.9	148.1	32.4	526.7
2010	0.0	0.0	0.0	350.3	13.9 R	173.5	33.1	570.8 R
2011	0.0	0.0	0.0	338.1	11.5 R	179.9	27.1	556.6 R
2012	0.0	0.0	0.0	355.7	9.2 R	175.2	22.3	562.5 R
2013	0.0	0.0	0.0	343.8	8.9 R	202.8	37.1	592.6 R
2014	0.0	0.0	0.0	340.7	13.3 R	222.0	31.9	607.8 R
2015	0.0	0.0	0.0	353.9	14.5 R	224.4	30.6	623.3 R
2016	0.0	0.0	0.0	360.6	17.0 R	223.5 R	41.7	642.8 R
2017	0.0	0.0	0.0	352.6	16.0 R	215.6 R	43.2	627.4 R
2018	0.0	0.0	0.0	359.3	15.0 R	218.2 R	54.9	647.4 R
2019	0.0	0.0	0.0	350.8	16.7	227.0	57.9	652.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Hawaii, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	0	0	0	0
2010	0	0	0	0	0
2011	0	0	0	0	0
2012	0	0	0	0	0
2013	0	0	0	0	64
2014	0	0	0	0	63
2015	0	0	0	0	70 R
2016	0	0	0	0	83
2017	0	0	0	0	88
2018	0	0	0	0	94
2019	0	0	0	0	89

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Hawaii, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	0.0	0.3	0.3
1961	0.0	0.0	0.0	0.0	NA	0.0	0.3	0.3
1962	0.0	0.0	0.0	0.0	NA	0.0	0.2	0.2
1963	0.0	0.0	0.0	0.0	NA	0.2	0.2	0.4
1964	0.0	0.0	0.0	0.0	NA	0.2	1.2	1.4
1965	0.0	0.0	0.0	0.0	NA	0.2	1.1	1.3
1966	0.0	0.0	0.0	0.0	NA	0.1	1.2	1.3
1967	0.0	0.0	0.0	0.0	NA	0.3	1.1	1.4
1968	0.0	0.0	0.0	0.0	NA	0.7	1.0	1.7
1969	0.0	0.0	0.0	0.0	NA	0.7	1.0	1.8
1970	0.0	0.0	0.0	0.0	NA	0.4	1.1	1.6
1971	0.0	0.0	0.0	0.0	NA	0.3	0.9	1.3
1972	0.0	0.0	0.0	0.0	NA	0.6	0.9	1.5
1973	0.0	0.0	0.0	0.0	NA	0.5	1.0	1.5
1974	0.0	0.0	0.0	0.0	NA	0.6	1.0	1.6
1975	0.0	0.0	0.0	0.0	NA	0.6	0.9	1.5
1976	0.0	0.0	0.0	0.0	NA	0.7	1.0	1.7
1977	0.0	0.0	0.0	0.0	NA	0.5	0.9	1.4
1978	0.0	0.0	0.0	0.0	NA	0.3	0.9	1.1
1979	0.0	0.0	0.0	0.0	NA	0.3	0.9	1.3
1980	0.0	0.0	0.0	0.0	NA	11.9	0.9	12.8
1981	0.0	0.0	0.0	0.0	0.0	12.7	0.8	13.6
1982	0.0	0.0	0.0	0.0	0.0	12.4	0.9	13.4
1983	0.0	0.0	0.0	0.0	0.0	14.0	0.9	14.9
1984	0.0	0.0	0.0	0.0	0.0	14.3	1.1	15.4
1985	0.0	0.0	0.0	0.0	0.0	14.2	1.1	15.3
1986	0.0	0.0	0.0	0.0	0.0	16.3	1.0	17.3
1987	0.0	0.0	0.0	0.0	0.0	17.8	1.0	18.8
1988	0.0	0.0	0.0	0.0	0.0	19.4	1.0	20.4
1989	0.0	0.0	0.0	0.0	0.0	27.0	1.9	28.9
1990	0.0	0.0	0.0	0.0	0.0	25.9	2.0	27.9
1991	0.0	0.0	0.0	0.0	0.0	25.4	2.1	27.5
1992	0.0	0.0	0.0	0.0	0.0	24.9	1.9	26.8
1993	0.0	0.0	0.0	0.0	0.0	24.4	3.4	27.8
1994	0.0	0.0	0.0	0.0	0.0	20.7	4.7	25.4
1995	0.0	0.0	0.0	0.0	0.0	19.8	4.8	24.6
1996	0.0	0.0	0.0	0.0	0.0	19.1	5.0	24.1
1997	0.0	0.0	0.0	0.0	0.0	17.4	5.1	22.5
1998	0.0	0.0	0.0	0.0	0.0	16.5	5.1	21.7
1999	0.0	0.0	0.0	0.0	0.0	17.0	4.8	21.8
2000	0.0	0.0	0.0	0.0	0.0	15.2	5.2	20.4
2001	0.0	0.0	0.0	0.0	0.0	7.9	4.4	12.4
2002	0.0	0.0	0.0	0.0	0.0	7.5	3.0	10.5
2003	0.0	0.0	0.0	0.0	0.0	9.3	4.0	13.3
2004	0.0	0.0	0.0	0.0	0.0	9.3	4.4	13.8
2005	0.0	0.0	0.0	0.0	0.0	8.4	4.6	12.9
2006	0.0	0.0	0.0	0.0	0.0	8.5	5.5	14.0
2007	0.0	0.0	0.0	0.0	0.0	8.0	7.1	15.0
2008	0.0	0.0	0.0	0.0	0.0	8.6	7.3	15.9
2009	0.0	0.0	0.0	0.0	0.0	8.6	7.2	15.8
2010	0.0	0.0	0.0	0.0	0.0	7.7	7.5	15.3
2011	0.0	0.0	0.0	0.0	0.0	7.4	9.3	16.6
2012	0.0	0.0	0.0	0.0	0.0	6.7	11.5	18.2
2013	0.0	0.0	0.0	0.0	0.4	8.2	14.2	22.7
2014	0.0	0.0	0.0	0.0	0.3	7.7	16.4	24.4
2015	0.0	0.0	0.0	0.0	0.4	7.2	17.4	25.0
2016	0.0	0.0	0.0	0.0	0.5	8.2	19.0	27.6
2017	0.0	0.0	0.0	0.0	0.5	5.4	21.1	27.0 R
2018	0.0	0.0	0.0	0.0	0.5	5.4 R	20.4 R	26.3
2019	0.0	0.0	0.0	0.0	0.5	4.9	19.9	25.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Idaho, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	64	NA
1985	0	0	0	119	NA
1986	0	0	0	126	NA
1987	0	0	0	138	NA
1988	0	0	0	139	NA
1989	0	0	0	132	NA
1990	0	0	0	111	NA
1991	0	0	0	130	NA
1992	0	0	0	116	NA
1993	0	0	0	117	NA
1994	0	0	0	143	NA
1995	0	0	0	135	NA
1996	0	0	0	55	NA
1997	0	0	0	95	NA
1998	0	0	0	110	NA
1999	0	0	0	100	NA
2000	0	0	0	118	NA
2001	0	0	0	128	0
2002	0	0	0	171	0
2003	0	0	0	198	0
2004	0	0	0	87	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	40	0
2008	0	0	0	876	0
2009	0	0	0	293	0
2010	0	0	0	1,452 R	0
2011	0	0	0	1,479 R	0
2012	0	0	0	1,391 R	0
2013	0	0	0	1,379 R	(s)
2014	0	0	0	1,589 R	1
2015	0	1,078	30	1,554 R	0
2016	0	4,637	215	1,615 R	0
2017	0	3,791	91	1,643 R	0
2018	0	1,860 R	88	1,633 R	0
2019	0	1,033	22	1,571	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Idaho, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	11.4	66.3	77.7
1961	0.0	0.0	0.0	0.0	NA	10.8	59.6	70.4
1962	0.0	0.0	0.0	0.0	NA	10.8	63.2	74.0
1963	0.0	0.0	0.0	0.0	NA	10.6	62.7	73.2
1964	0.0	0.0	0.0	0.0	NA	11.1	65.8	76.9
1965	0.0	0.0	0.0	0.0	NA	10.4	69.4	79.8
1966	0.0	0.0	0.0	0.0	NA	10.3	71.1	81.4
1967	0.0	0.0	0.0	0.0	NA	10.3	72.0	82.3
1968	0.0	0.0	0.0	0.0	NA	10.7	70.1	80.8
1969	0.0	0.0	0.0	0.0	NA	10.6	65.6	76.2
1970	0.0	0.0	0.0	0.0	NA	11.5	74.3	85.7
1971	0.0	0.0	0.0	0.0	NA	11.2	78.3	89.4
1972	0.0	0.0	0.0	0.0	NA	11.4	81.4	92.8
1973	0.0	0.0	0.0	0.0	NA	11.2	86.0	97.2
1974	0.0	0.0	0.0	0.0	NA	10.3	101.1	111.5
1975	0.0	0.0	0.0	0.0	NA	11.1	106.9	118.0
1976	0.0	0.0	0.0	0.0	NA	13.8	107.6	121.4
1977	0.0	0.0	0.0	0.0	NA	15.5	70.4	86.0
1978	0.0	0.0	0.0	0.0	NA	17.1	102.3	119.3
1979	0.0	0.0	0.0	0.0	NA	18.8	94.9	113.7
1980	0.0	0.0	0.0	0.0	NA	14.6	98.8	113.4
1981	0.0	0.0	0.0	0.0	0.0	16.3	99.4	115.7
1982	0.0	0.0	0.0	0.0	0.0	16.1	121.2	137.2
1983	0.0	0.0	0.0	0.0	0.0	17.9	134.4	152.3
1984	0.0	0.0	0.0	0.0	0.4	18.2	137.8	156.3
1985	0.0	0.0	0.0	0.0	0.8	18.3	113.5	132.5
1986	0.0	0.0	0.0	0.0	0.8	18.9	126.9	146.6
1987	0.0	0.0	0.0	0.0	0.9	16.4	84.4	101.7
1988	0.0	0.0	0.0	0.0	0.9	17.0	69.6	87.5
1989	0.0	0.0	0.0	0.0	0.8	25.8	98.1	124.7
1990	0.0	0.0	0.0	0.0	0.7	23.5	95.4	119.5
1991	0.0	0.0	0.0	0.0	0.8	23.4	91.8	116.0
1992	0.0	0.0	0.0	0.0	0.7	25.1	69.4	95.1
1993	0.0	0.0	0.0	0.0	0.7	24.8	100.7	126.2
1994	0.0	0.0	0.0	0.0	0.9	23.6	82.2	106.7
1995	0.0	0.0	0.0	0.0	0.8	25.2	113.8	139.9
1996	0.0	0.0	0.0	0.0	0.3	26.0	137.9	164.2
1997	0.0	0.0	0.0	0.0	0.6	28.4	150.4	179.3
1998	0.0	0.0	0.0	0.0	0.7	27.1	132.5	160.2
1999	0.0	0.0	0.0	0.0	0.6	27.8	139.3	167.7
2000	0.0	0.0	0.0	0.0	0.7	27.6	113.2	141.4
2001	0.0	0.0	0.0	0.0	0.8	28.1	76.2	105.0
2002	0.0	0.0	0.0	0.0	1.0	22.0	90.7	113.8
2003	0.0	0.0	0.0	0.0	1.2	22.5	85.9	109.6
2004	0.0	0.0	0.0	0.0	0.5	25.7	86.2	112.4
2005	0.0	0.0	0.0	0.0	0.0	34.1	86.9	121.1
2006	0.0	0.0	0.0	0.0	0.0	31.8	114.7	146.5
2007	0.0	0.0	0.0	0.0	0.2	33.0	92.4	125.6
2008	0.0	0.0	0.0	0.0	5.1	31.8	96.6	133.5
2009	0.0	0.0	0.0	0.0	1.7	25.8	107.0	134.5
2010	0.0	0.0	0.0	0.0	8.4 R	29.8	95.8	133.9 R
2011	0.0	0.0	0.0	0.0	8.5 R	24.9	145.1	178.6 R
2012	0.0	0.0	0.0	0.0	8.0 R	24.2	124.4	156.5 R
2013	0.0	0.0	0.0	0.0	7.9 R	26.0	106.3	140.2 R
2014	0.0	0.0	0.0	0.0	9.0 R	32.3	114.6	156.0 R
2015	0.0	1.2	0.2	0.0	8.8 R	39.6	105.0	154.8 R
2016	0.0	5.2	1.2	0.0	9.1 R	32.5	109.8	157.9 R
2017	0.0	4.2	0.5	0.0	9.3 R	35.2 R	128.4	177.6 R
2018	0.0	2.1	0.5	0.0	9.2 R	37.4 R	132.2	181.4 R
2019	0.0	1.1	0.1	0.0	8.8	37.7	122.6	170.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Illinois, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	45,977	11,666	77,341	NA	NA
1961	45,246	9,970	76,818	NA	NA
1962	48,487	10,650	78,796	NA	NA
1963	51,736	9,459	74,796	NA	NA
1964	55,023	7,867	70,168	NA	NA
1965	58,483	7,396	63,708	NA	NA
1966	63,571	7,230	61,661	NA	NA
1967	65,133	5,144	59,142	NA	NA
1968	62,441	4,380	56,391	NA	NA
1969	64,722	3,800	50,724	NA	NA
1970	65,119	4,850	43,747	NA	NA
1971	58,402	498	39,084	NA	NA
1972	65,523	1,194	34,874	NA	NA
1973	61,572	1,638	30,669	NA	NA
1974	58,215	1,436	27,553	NA	NA
1975	59,537	1,440	26,067	NA	NA
1976	58,239	1,556	26,272	NA	NA
1977	53,493	1,003	25,608	NA	NA
1978	48,600	1,159	23,362	NA	NA
1979	59,579	1,585	21,793	NA	NA
1980	62,543	1,574	22,702	NA	NA
1981	51,865	1,295	24,090	964	NA
1982	60,275	1,162	27,710	3,227	NA
1983	56,846	1,030	29,200	6,084	NA
1984	63,769	1,530	28,868	7,290	NA
1985	59,201	1,324	30,265	7,844	NA
1986	61,866	1,887	27,245	8,321	NA
1987	59,155	1,371	23,980	9,128	NA
1988	58,594	1,338	22,476	9,189	NA
1989	59,267	1,477	20,378	8,691	NA
1990	60,393	677	19,954	7,305	NA
1991	60,258	466	19,068	8,571	NA
1992	59,857	347	19,303	9,815	NA
1993	41,098	340	17,406	10,713	NA
1994	52,797	333	17,148	11,376	NA
1995	48,180	335	16,190	10,937	NA
1996	46,656	298	15,575	4,491	NA
1997	41,159	231	16,115	7,943	NA
1998	39,732	209	13,732	9,365	NA
1999	40,417	195	12,065	8,674	NA
2000	33,444	189	12,206	10,399	NA
2001	33,783	185	10,092	11,385	69
2002	33,358	180	11,100	15,547	71
2003	31,760	174	11,697	18,697	95
2004	31,912	170	10,984	17,698	152
2005	32,014	166	10,207	17,059	326
2006	32,729	170	10,324	17,569	371
2007	32,857	1,394	9,609	21,566	910
2008	33,074	1,193	9,430	23,988	816
2009	34,021	1,443	9,099	30,498	1,002
2010	33,465	1,702	9,067	35,621 R	881
2011	37,938	2,121	9,158	35,493 R	2,820
2012	48,763	2,125	9,733	35,647 R	3,021
2013	52,256	2,887	9,539	36,403 R	3,717 R
2014	58,025	1,929	9,546	37,807 R	3,755 R
2015	56,227	2,080	9,520	37,062 R	3,513 R
2016	43,575	2,183	8,639	41,078 R	3,423 R
2017	48,303	2,131	8,314	39,548 R	3,260
2018	49,482	2,464 R	8,420	36,449 R	3,374
2019	45,895	2,210	8,243	35,260	3,196

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Illinois, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	1,020.7	21.0 R	448.6	3.0	NA	31.0	2.0	1,526.3 R
1961	1,004.5	18.0 R	445.5	6.1	NA	30.1	2.1	1,506.4 R
1962	1,076.4	19.2 R	457.0	13.9	NA	30.9	2.0	1,599.4 R
1963	1,148.5	17.1 R	433.8	11.1	NA	32.6	1.9	1,644.9 R
1964	1,221.5	14.2 R	407.0	11.7	NA	32.6	1.9	1,688.9 R
1965	1,298.3	13.3 R	369.5	11.4	NA	33.2	1.8	1,727.6 R
1966	1,411.3	13.0 R	357.6	16.4	NA	35.3	1.8	1,835.4 R
1967	1,446.0	9.3	343.0	9.3	NA	35.6	1.9	1,845.0 R
1968	1,386.2	7.9 R	327.1	10.4	NA	38.3	1.7	1,771.6
1969	1,436.8	6.9	294.2	9.1	NA	39.9	1.8	1,788.7 R
1970	1,445.6	8.7 R	253.7	27.6	NA	39.3	1.7	1,776.8
1971	1,296.5	0.9	226.7	47.4	NA	39.2	1.4	1,612.2
1972	1,454.6	2.2	202.3	141.0	NA	39.9	1.6	1,841.6
1973	1,328.3	3.0	177.9	218.6	NA	42.5	1.3	1,771.7
1974	1,250.2	2.6	159.8	218.7	NA	42.7	1.3	1,675.2
1975	1,274.5	2.6	151.2	245.8	NA	41.6	1.3	1,717.0
1976	1,257.8	2.8	152.4	292.2	NA	46.1	1.3	1,752.7
1977	1,151.7	1.8	148.5	307.4	NA	50.0	1.4	1,660.7
1978	1,047.0	2.1	135.5	360.2	NA	61.6	1.3	1,607.7
1979	1,292.8	2.9	126.4	298.8	NA	63.3	1.3	1,785.6
1980	1,357.2	3.0	131.7	302.6	NA	90.9	1.4	1,886.8
1981	1,136.6	2.5	139.7	325.2	6.2	95.6	1.4	1,707.2
1982	1,320.2	2.2	160.7	305.9	20.7	95.6	1.3	1,906.5
1983	1,250.6	1.9	169.4	305.6	38.8	105.3	1.4	1,873.0
1984	1,406.4	2.8	167.4	379.2	46.4	97.8	1.5	2,101.5
1985	1,311.3	2.5	175.5	415.4	49.7	99.2	1.4	2,055.1
1986	1,375.0	3.5	158.0	450.8	52.6	106.4	1.5	2,147.8
1987	1,314.8	2.6	139.1	524.1	57.5	113.3	1.1	2,152.4
1988	1,310.5	1.5	130.4	733.3	57.6	121.7	0.7	2,355.7
1989	1,323.2	1.7	118.2	791.8	54.3	93.5	1.3	2,384.0
1990	1,350.3	0.8	115.7	760.7	45.5	69.6	1.8	2,344.5
1991	1,350.5	0.7	110.6	753.4	53.2	71.2	1.8	2,341.3
1992	1,347.6	0.5	112.0	772.2	60.7	71.9	1.8	2,366.6
1993	929.8	0.5	101.0	823.2	66.0	53.3	1.7	1,975.5
1994	1,185.0	0.5	99.5	759.4	69.8	51.0	1.6	2,166.8
1995	1,081.9	0.5	93.9	824.6	66.9	52.2	1.7	2,121.7
1996	1,055.5	0.4	90.3	732.8	27.4	59.3	1.6	1,967.3
1997	926.7	0.6	93.5	535.9	48.2	53.2	1.5	1,659.5
1998	900.9	0.3	79.6	583.3	56.7	46.6	2.0	1,669.3
1999	929.0	0.3	70.0	854.2	52.4	49.5	2.1	1,957.5
2000	775.4	0.3	70.8	932.7	62.8	44.9	2.1	1,889.0
2001	772.3	0.2	58.5	964.5	69.0	42.0	2.2	1,908.7
2002	758.8	0.3	64.4	948.8	94.0	44.1	2.2	1,912.5
2003	721.2	0.2	67.8	987.3	112.4	44.4	2.7	1,936.0
2004	722.8	0.2	63.7	959.9	106.1	44.7	3.6	1,901.0
2005	727.4	0.2	59.2	973.3	102.6	31.5	4.2	1,898.5
2006	740.9	0.2	59.9	982.5	105.2	25.3	6.0	1,920.1
2007	748.7	1.5	55.7	1,004.1	130.9	27.5	10.2	1,978.6
2008	758.1	1.3	54.7	994.5	143.6	29.2	26.8	2,008.3
2009	783.3	1.5	52.8	998.6	181.5	37.8	31.7	2,087.2
2010	767.4	2.2	52.6	1,005.4	209.9 R	40.5	47.9	2,125.9 R
2011	864.2	3.6	53.1	1,002.7	219.1 R	29.5	65.0	2,237.2 R
2012	1,094.2	2.1	56.5	1,010.2	220.4 R	26.5	78.2	2,488.1 R
2013	1,149.6	2.9	55.3	1,014.9	227.8 R	30.6	96.8	2,578.0 R
2014	1,293.5	2.0	55.4	1,023.5	235.4 R	31.3	101.1	2,742.2 R
2015	1,252.9	2.2	54.4	1,017.4	229.1 R	19.4	105.3	2,680.7 R
2016	977.1	2.3	49.4	1,031.3	250.5 R	18.6	103.7	2,433.1 R
2017	1,079.6	2.3	47.6	1,016.5	240.5 R	16.9 R	118.5	2,521.9 R
2018	1,095.9	2.6 R	48.0	1,025.7	223.5 R	18.9 R	114.4 R	2,529.0 R
2019	1,014.4	2.3	47.0	1,031.0	214.9	19.1	135.4	2,464.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Indiana, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	15,538	342	12,054	NA	NA
1961	15,106	382	11,500	NA	NA
1962	15,709	284	12,077	NA	NA
1963	15,100	286	11,902	NA	NA
1964	15,075	200	11,283	NA	NA
1965	15,565	239	11,481	NA	NA
1966	17,326	215	10,617	NA	NA
1967	18,772	198	10,081	NA	NA
1968	18,486	234	8,692	NA	NA
1969	20,086	171	7,841	NA	NA
1970	22,263	153	7,487	NA	NA
1971	21,396	537	6,658	NA	NA
1972	25,949	355	6,130	NA	NA
1973	25,253	276	5,312	NA	NA
1974	23,726	176	4,919	NA	NA
1975	25,124	346	4,632	NA	NA
1976	25,369	192	4,630	NA	NA
1977	27,797	183	5,314	NA	NA
1978	24,182	163	4,689	NA	NA
1979	27,490	350	4,715	NA	NA
1980	30,873	463	4,978	NA	NA
1981	29,313	330	4,721	0	NA
1982	31,763	233	5,563	0	NA
1983	31,835	135	5,321	0	NA
1984	37,555	394	5,526	0	NA
1985	33,316	367	5,168	1,398	NA
1986	32,852	365	4,759	1,483	NA
1987	34,208	217	3,738	1,627	NA
1988	31,271	412	3,665	1,638	NA
1989	33,641	416	3,311	1,549	NA
1990	35,907	399	3,000	1,302	NA
1991	31,468	232	3,014	1,528	NA
1992	30,466	174	3,016	1,365	NA
1993	29,295	192	2,761	1,490	NA
1994	30,927	107	2,492	1,660	NA
1995	26,007	249	2,778	1,591	NA
1996	29,670	360	2,523	651	NA
1997	35,497	526	2,430	1,148	NA
1998	36,803	615	2,208	1,350	NA
1999	34,044	855	1,964	1,247	NA
2000	27,965	899	2,098	1,491	NA
2001	36,738	1,064	2,022	1,628	0
2002	35,513	1,309	1,962	2,210	0
2003	35,512	1,464	1,865	2,593	0
2004	35,206	3,401	1,755	2,357	0
2005	34,457	3,135	1,727	2,266	0
2006	35,119	2,921	1,773	2,286	6
2007	35,003	3,606	1,727	6,337	159
2008	36,040	4,701	1,859	13,847	1,472
2009	35,850	4,927	1,803	16,723	1,257
2010	35,317	6,802	1,835	22,487 R	839
2011	37,544	9,075	1,987	23,786 R	2,274
2012	36,720	8,814	2,350	20,465 R	1,918
2013	39,102	7,938	2,399	21,749 R	2,383 R
2014	39,267	6,616	2,507	23,883 R	2,408 R
2015	34,295	7,250	2,219	25,175 R	2,179 R
2016	28,767	6,205	1,817	27,001 R	2,389 R
2017	31,472	5,914	1,779	27,471 R	2,340
2018	34,598	5,054	1,684	28,312 R	2,325
2019	31,559	5,044	1,579	25,137	2,105

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Indiana, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	346.3	0.3	69.9	0.0	NA	23.5	1.1	441.1
1961	336.7	0.4	66.7	0.0	NA	23.1	1.1	428.0
1962	350.1	0.3	70.0	0.0	NA	23.3	0.8	444.6
1963	336.6	0.3	69.0	0.0	NA	23.5	0.5	429.9
1964	336.0	0.2	65.4	0.0	NA	22.7	0.5	424.8
1965	346.9	0.2	66.6	0.0	NA	22.1	1.0	436.8
1966	386.2	0.2	61.6	0.0	NA	23.3	1.0	472.3
1967	418.4	0.2	58.5	0.0	NA	22.5	4.9	504.4
1968	412.0	0.2	50.4	0.0	NA	23.2	5.4	491.4
1969	447.7	0.2	45.5	0.0	NA	23.8	6.2	523.3
1970	496.2	0.2	43.4	0.0	NA	23.3	5.2	568.3
1971	476.9	0.5	38.6	0.0	NA	22.6	4.5	543.2
1972	578.4	0.4	35.6	0.0	NA	26.8	4.0	645.1
1973	550.9	0.3	30.8	0.0	NA	27.1	5.0	614.1
1974	514.5	0.2	28.5	0.0	NA	27.4	4.6	575.2
1975	542.8	0.3	26.9	0.0	NA	26.7	4.6	601.3
1976	548.3	0.2	26.9	0.0	NA	31.0	5.0	611.3
1977	601.9	0.2	30.8	0.0	NA	34.9	3.9	671.6
1978	522.2	0.2	27.2	0.0	NA	42.1	3.7	595.4
1979	597.5	0.5	27.3	0.0	NA	47.3	4.5	677.1
1980	671.0	0.6	28.9	0.0	NA	51.2	4.9	756.6
1981	638.5	0.4	27.4	0.0	0.0	53.9	5.3	725.4
1982	694.7	0.3	32.3	0.0	0.0	53.6	4.5	785.4
1983	698.0	0.1	30.9	0.0	0.0	59.3	4.4	792.6
1984	821.4	0.4	32.1	0.0	0.0	56.0	4.5	914.4
1985	734.6	0.4	30.0	0.0	8.9	56.7	4.5	834.9
1986	729.4	0.4	27.6	0.0	9.4	57.4	5.3	829.5
1987	759.5	0.2	21.7	0.0	10.2	61.1	5.3	858.0
1988	697.0	0.4	21.3	0.0	10.3	65.5	4.6	799.0
1989	747.4	0.4	19.2	0.0	9.7	54.4	5.2	836.3
1990	797.3	0.4	17.4	0.0	8.1	46.9	5.1	875.2
1991	700.9	0.2	17.5	0.0	9.5	46.8	4.7	779.7
1992	679.1	0.2	17.5	0.0	8.4	47.0	6.4	758.6
1993	654.7	0.2	16.0	0.0	9.2	38.1	5.3	723.4
1994	690.8	0.1	14.5	0.0	10.2	36.3	4.9	756.8
1995	578.1	0.3	16.1	0.0	9.7	37.2	5.6	647.0
1996	657.8	0.4	14.6	0.0	4.0	38.6	5.5	720.9
1997	785.2	0.5	14.1	0.0	7.0	32.2	6.6	845.6
1998	813.0	0.6	12.8	0.0	8.2	30.2	5.8	870.6
1999	756.6	0.9	11.4	0.0	7.5	30.4	5.2	812.0
2000	621.2	0.9	12.2	0.0	9.0	28.0	7.1	678.3
2001	813.2	1.1	11.7	0.0	9.8	32.7	7.1	875.6
2002	789.2	1.3	11.4	0.0	13.3	33.8	5.4	854.4
2003	792.2	1.6	10.8	0.0	15.5	33.8	5.9	859.9
2004	786.2	3.4	10.2	0.0	14.0	34.6	6.3	854.7
2005	769.0	3.2	10.0	0.0	13.4	38.7	6.5	840.8
2006	783.4	3.0	10.3	0.0	13.5	28.3	7.3	845.6
2007	783.0	3.7	10.0	0.0	37.9	27.3	7.3	869.2
2008	803.0	4.8	10.8	0.0	88.4	33.5	9.9	950.4
2009	800.2	5.0	10.5	0.0	103.4	31.5	22.6	973.1
2010	790.9	6.9	10.6	0.0	134.1 R	33.9	37.6	1,014.0 R
2011	841.0	9.2	11.5	0.0	148.9 R	33.5	40.6	1,084.6 R
2012	826.8	8.9	13.6	0.0	127.5 R	30.4	39.5	1,046.9 R
2013	883.3	8.1	13.9	0.0	137.0 R	34.4	42.0	1,118.6 R
2014	886.4	6.7	14.5	0.0	148.9 R	34.8	42.6	1,134.0 R
2015	776.5	7.4	12.7	0.0	154.5 R	34.6	52.0	1,037.7 R
2016	654.5	6.4	10.4	0.0	165.4 R	34.3	56.2	927.3 R
2017	713.4	6.2	10.2	0.0	167.5 R	33.7 R	57.4	988.3 R
2018	781.6	5.3	9.6	0.0	172.0 R	37.1 R	59.9	1,065.5 R
2019	712.2	5.3	9.0	0.0	152.2	36.2	66.4	981.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Iowa, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	1,068	0	0	NA	NA
1961	927	0	0	NA	NA
1962	1,130	0	0	NA	NA
1963	1,213	0	0	NA	NA
1964	973	0	0	NA	NA
1965	1,043	0	0	NA	NA
1966	1,025	0	0	NA	NA
1967	883	0	0	NA	NA
1968	876	0	0	NA	NA
1969	903	0	0	NA	NA
1970	987	0	0	NA	NA
1971	939	0	0	NA	NA
1972	851	0	0	NA	NA
1973	601	0	0	NA	NA
1974	590	0	0	NA	NA
1975	622	0	0	NA	NA
1976	616	0	0	NA	NA
1977	513	0	0	NA	NA
1978	450	0	0	NA	NA
1979	637	0	0	NA	NA
1980	559	0	0	NA	NA
1981	717	0	0	833	NA
1982	566	0	0	1,012	NA
1983	385	0	0	1,250	NA
1984	527	0	0	1,607	NA
1985	591	0	0	1,607	NA
1986	484	0	0	2,976	NA
1987	468	0	0	4,167	NA
1988	341	0	0	4,167	NA
1989	430	0	0	5,060	NA
1990	381	0	0	5,060	NA
1991	344	0	0	5,655	NA
1992	289	0	0	7,143	NA
1993	175	0	0	8,929	NA
1994	46	0	0	10,095	NA
1995	0	0	0	10,095	NA
1996	0	0	0	10,095	NA
1997	0	0	0	10,095	NA
1998	0	0	0	10,095	NA
1999	0	0	0	10,476	NA
2000	0	0	0	10,476	NA
2001	0	0	0	10,476	126
2002	0	0	0	10,476	135
2003	0	0	0	14,238	181
2004	0	0	0	20,452	290
2005	0	0	0	26,190	476
2006	0	0	0	35,714	1,429
2007	0	0	0	46,548	1,786
2008	0	0	0	56,123	2,667
2009	0	0	0	74,000	2,024
2010	0	0	0	84,071 R	1,143
2011	0	0	0	89,315 R	4,024
2012	0	0	0	86,265 R	4,381
2013	0	0	0	87,238 R	5,476
2014	0	0	0	89,188 R	5,405
2015	0	0	0	94,058 R	5,762
2016	0	0	0	95,983 R	7,071
2017	0	0	0	100,558 R	6,810
2018	0	0	0	104,035 R	8,690
2019	0	0	0	104,135	8,143

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Iowa, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	22.1	0.0	0.0	0.0	NA	6.4	9.5	37.9
1961	19.1	0.0	0.0	0.0	NA	6.2	9.6	34.9
1962	23.3	0.0	0.0	0.0	NA	5.7	9.8	38.9
1963	25.1	0.0	0.0	0.0	NA	5.5	7.9	38.5
1964	20.1	0.0	0.0	0.0	NA	5.6	7.2	32.9
1965	21.5	0.0	0.0	0.0	NA	5.5	9.7	36.7
1966	21.2	0.0	0.0	0.0	NA	6.0	9.0	36.2
1967	18.2	0.0	0.0	0.0	NA	5.8	8.4	32.5
1968	18.1	0.0	0.0	0.0	NA	6.4	9.9	34.3
1969	18.7	0.0	0.0	0.0	NA	6.2	9.0	33.9
1970	20.4	0.0	0.0	0.0	NA	6.3	9.8	36.5
1971	19.4	0.0	0.0	0.0	NA	6.6	9.6	35.5
1972	17.6	0.0	0.0	0.0	NA	6.9	10.3	34.8
1973	11.3	0.0	0.0	0.0	NA	7.3	9.4	28.0
1974	11.3	0.0	0.0	14.8	NA	7.7	9.3	43.1
1975	11.8	0.0	0.0	25.2	NA	7.9	9.1	54.1
1976	12.4	0.0	0.0	27.4	NA	8.5	6.7	54.9
1977	9.9	0.0	0.0	31.1	NA	9.0	8.1	58.1
1978	8.8	0.0	0.0	13.2	NA	9.6	9.6	41.3
1979	11.7	0.0	0.0	31.4	NA	9.7	9.3	62.1
1980	10.3	0.0	0.0	28.0	NA	48.7	9.8	96.8
1981	14.7	0.0	0.0	24.3	5.4	49.6	10.3	104.3
1982	11.5	0.0	0.0	25.1	6.5	50.2	9.6	102.9
1983	7.9	0.0	0.0	25.2	8.0	54.7	9.7	105.4
1984	10.3	0.0	0.0	29.3	10.2	57.8	9.6	117.2
1985	11.8	0.0	0.0	20.5	10.2	58.1	10.3	110.9
1986	9.6	0.0	0.0	31.7	18.8	78.6	10.0	148.7
1987	9.3	0.0	0.0	26.3	26.2	82.4	10.1	154.4
1988	7.0	0.0	0.0	33.5	26.1	89.2	7.2	163.1
1989	8.8	0.0	0.0	33.2	31.6	52.6	7.1	133.3
1990	7.7	0.0	0.0	31.9	31.5	47.8	9.2	128.1
1991	6.8	0.0	0.0	43.5	35.1	47.3	9.5	142.2
1992	5.7	0.0	0.0	35.7	44.2	45.7	10.4	141.6
1993	3.4	0.0	0.0	34.0	55.0	43.5	7.8	143.7
1994	0.9	0.0	0.0	42.9	62.0	40.8	11.2	157.8
1995	0.0	0.0	0.0	39.2	61.8	40.8	10.5	152.3
1996	0.0	0.0	0.0	41.2	61.5	48.3	9.9	160.9
1997	0.0	0.0	0.0	43.5	61.3	40.4	8.5	153.7
1998	0.0	0.0	0.0	39.5	61.1	37.3	9.6	147.5
1999	0.0	0.0	0.0	38.0	63.3	37.5	13.3	152.2
2000	0.0	0.0	0.0	46.4	63.2	31.6	14.6	155.8
2001	0.0	0.0	0.0	40.2	63.8	27.7	14.1	145.8
2002	0.0	0.0	0.0	47.8	63.8	30.8	19.4	161.7
2003	0.0	0.0	0.0	41.6	86.2	30.5	18.4	176.7
2004	0.0	0.0	0.0	51.4	123.2	30.6	20.6	225.7
2005	0.0	0.0	0.0	47.4	157.4	31.0	26.7	262.5
2006	0.0	0.0	0.0	53.2	217.6	20.9	32.7	324.4
2007	0.0	0.0	0.0	47.4	281.5	23.5	37.6	390.0
2008	0.0	0.0	0.0	55.2	340.2	23.9	49.2	468.5
2009	0.0	0.0	0.0	48.9	438.1	26.7	83.0	596.8
2010	0.0	0.0	0.0	46.5	490.4 R	28.3	99.9	665.1 R
2011	0.0	0.0	0.0	54.6	534.7 R	19.8	114.4	723.5 R
2012	0.0	0.0	0.0	45.6	517.4 R	17.6	142.2	722.7 R
2013	0.0	0.0	0.0	55.6	527.3 R	19.6	157.1	759.6 R
2014	0.0	0.0	0.0	43.4	536.6 R	23.0	165.0	768.0 R
2015	0.0	0.0	0.0	54.8	564.4 R	21.4	177.2	817.8 R
2016	0.0	0.0	0.0	49.2	580.4 R	20.5	195.6	845.7 R
2017	0.0	0.0	0.0	54.5	603.6 R	18.1 R	208.6	884.8 R
2018	0.0	0.0	0.0	51.2	632.7 R	19.4 R	205.2	908.6 R
2019	0.0	0.0	0.0	54.7	627.6	20.3	244.2	946.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Kansas, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	888	634,410	113,453	NA	NA
1961	664	649,083	112,241	NA	NA
1962	915	694,352	112,076	NA	NA
1963	1,169	732,946	109,107	NA	NA
1964	1,263	768,246	106,252	NA	NA
1965	1,310	793,379	104,733	NA	NA
1966	1,122	847,495	103,738	NA	NA
1967	1,136	871,971	99,200	NA	NA
1968	1,268	835,555	94,505	NA	NA
1969	1,313	883,156	88,716	NA	NA
1970	1,627	899,955	84,853	NA	NA
1971	1,151	885,144	78,532	NA	NA
1972	1,227	889,268	73,744	NA	NA
1973	1,086	893,118	66,227	NA	NA
1974	718	886,782	61,691	NA	NA
1975	479	843,625	59,106	NA	NA
1976	590	829,170	58,714	NA	NA
1977	897	781,289	57,496	NA	NA
1978	1,226	854,484	56,586	NA	NA
1979	806	797,762	56,995	NA	NA
1980	842	735,035	60,151	NA	NA
1981	1,361	640,114	65,810	62	NA
1982	1,412	440,951	70,525	207	NA
1983	1,271	447,207	71,594	391	NA
1984	1,328	480,211	75,729	468	NA
1985	994	528,032	75,407	504	NA
1986	1,486	478,963	67,034	535	NA
1987	2,021	472,752	59,884	586	NA
1988	737	592,845	58,824	590	NA
1989	856	601,196	55,485	558	NA
1990	721	573,603	55,428	469	NA
1991	416	628,459	56,928	551	NA
1992	363	658,007	53,613	492	NA
1993	341	686,347	49,625	711	NA
1994	284	712,730	46,732	770	NA
1995	285	721,436	43,767	727	NA
1996	232	712,796	41,789	294	NA
1997	360	687,215	39,835	511	NA
1998	341	603,586	35,541	592	NA
1999	409	553,419	29,046	540	NA
2000	201	525,729	34,463	636	NA
2001	176	480,145	33,942	686	0
2002	205	454,901	33,380	1,475	0
2003	154	418,893	33,973	2,328	0
2004	71	397,121	33,879	2,646	0
2005	171	377,229	33,620	3,143	0
2006	426	371,044	35,668	4,164	0
2007	420	365,877	36,590	5,530	20
2008	229	374,310	39,663	10,573	25
2009	185	354,440	39,466	9,781	0
2010	133	324,720	40,470 R	10,818 R	7
2011	37	309,124	41,500 R	10,860 R	21
2012	16	296,300	43,751 R	9,648 R	22
2013	22	292,468	46,846	9,513 R	29 R
2014	66	286,480	49,518 R	11,678 R	30
2015	199	284,184	45,481 R	11,596 R	53
2016	27	244,795	37,944 R	11,854 R	31
2017	0	219,639	35,825 R	12,160 R	27
2018	0	201,390 R	34,715 R	12,526 R	13
2019	0	183,097	33,193	12,826	598

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Kansas, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	18.9	678.1 R	658.0	0.0	NA	3.9	0.2	1,359.1 R
1961	14.2	693.7 R	651.0	0.0	NA	3.7	0.2	1,362.8 R
1962	19.5	742.1 R	650.0	0.0	NA	3.5	0.2	1,415.3 R
1963	24.9	783.4 R	632.8	0.0	NA	3.6	0.2	1,444.9 R
1964	26.9	821.1 R	616.3	0.0	NA	3.5	0.1	1,468.0 R
1965	27.9	848.0 R	607.5	0.0	NA	3.4	0.1	1,486.8 R
1966	23.9	905.8 R	601.7	0.0	NA	3.4	0.1	1,534.9 R
1967	24.2	932.0 R	575.4	0.0	NA	3.3	0.1	1,534.9 R
1968	27.0	893.1 R	548.1	0.0	NA	3.4	0.1	1,471.7 R
1969	28.0	943.9 R	514.6	0.0	NA	3.2	0.1	1,489.7 R
1970	34.7	961.9 R	492.1	0.0	NA	3.7	0.1	1,492.4 R
1971	24.5	953.1 R	455.5	0.0	NA	3.9	0.1	1,437.1 R
1972	26.1	959.4 R	427.7	0.0	NA	5.7	(s)	1,419.0 R
1973	23.0	957.9 R	384.1	0.0	NA	6.0	(s)	1,371.1 R
1974	14.3	948.2 R	357.8	0.0	NA	5.8	0.1	1,326.3 R
1975	9.7	901.0 R	342.8	0.0	NA	5.8	(s)	1,259.4 R
1976	12.1	882.3 R	340.5	0.0	NA	6.5	0.1	1,241.5 R
1977	18.0	836.5 R	333.5	0.0	NA	6.8	(s)	1,194.9 R
1978	25.5	908.6 R	328.2	0.0	NA	7.5	(s)	1,269.8 R
1979	16.4	859.9 R	330.6	0.0	NA	7.9	(s)	1,214.8 R
1980	17.1	800.6	348.9	0.0	NA	9.0	0.1	1,175.7
1981	29.2	699.4	381.7	0.0	0.4	8.1	0.1	1,118.9
1982	29.7	480.9	409.0	0.0	1.3	9.7	0.1	930.7
1983	28.7	494.0	415.2	0.0	2.5	9.0	0.1	949.5
1984	29.2	524.0	439.2	0.0	3.0	11.1	0.1	1,006.5
1985	21.0	574.3	437.4	41.0	3.2	11.5	0.1	1,088.3
1986	29.5	516.2	388.8	73.6	3.4	18.5	0.1	1,030.0
1987	40.1	540.0	347.3	67.6	3.7	17.6	0.1	1,016.4
1988	15.7	635.8	341.2	70.5	3.7	18.9	0.1	1,085.9
1989	18.4	648.0	321.8	102.8	3.5	15.0	0.2	1,109.7
1990	17.4	623.6	321.5	83.3	2.9	11.8	0.2	1,060.7
1991	10.1	702.8	330.2	61.4	3.4	12.0	0.2	1,120.1
1992	8.9	719.3	311.0	88.9	3.0	12.1	0.2	1,143.4
1993	8.2	750.0	287.8	83.0	4.4	10.9	0.2	1,144.5
1994	6.9	787.4	271.0	89.1	4.7	10.3	0.3	1,169.8
1995	6.9	800.1	253.8	105.7	4.5	10.3	0.3	1,181.6
1996	5.6	785.5	242.4	86.2	1.8	10.5	0.3	1,132.2
1997	8.1	746.6	231.0	88.5	3.1	8.4	0.4	1,086.1
1998	7.5	669.6	206.1	109.2	3.6	7.7	0.4	1,004.1
1999	9.0	624.3	168.5	95.7	3.3	7.9	0.4	909.0
2000	4.3	595.4	199.9	94.5	3.8	7.6	0.4	906.0
2001	3.7	544.6	196.9	108.1	4.1	8.0	1.0	866.2
2002	4.4	522.3	193.6	94.4	8.9	8.1	5.2	836.9
2003	3.3	479.7	197.0	92.6	13.9	8.3	4.3	799.2
2004	1.7	456.8	196.5	105.7	15.7	8.4	4.2	789.0
2005	4.0	432.1	195.0	92.1	18.6	7.6	4.9	754.2
2006	9.6	424.4	206.9	97.6	24.5	4.7	10.5	778.2
2007	9.3	414.3	212.2	108.8	32.4	5.1	12.1	794.2
2008	5.1	427.3	230.0	88.8	61.5	5.6	18.2	836.6
2009	4.3	399.7	228.9	91.7	56.5	5.7	28.9	815.7
2010	3.1	370.7	234.7	99.9	62.3 R	6.9	34.3	811.9 R
2011	0.8	355.0	240.7	76.6	62.5 R	8.8	37.3	781.7 R
2012	0.4	335.0	253.8 R	86.8	55.3 R	7.6	50.6	789.4 R
2013	0.5	321.5	271.7	74.9	54.4 R	8.5	91.2	822.7 R
2014	1.5	317.6	287.2	89.5	66.6 R	8.5	104.3	875.2 R
2015	4.4	318.5	260.0 R	90.3	66.0 R	7.2	103.7	850.1 R
2016	0.6	281.6	217.1	86.2	67.1 R	6.4	131.7	790.8 R
2017	0.0	257.2	205.0	111.4	68.7 R	6.2	172.8	821.3 R
2018	0.0	237.4 R	198.1	95.9	70.6 R	8.0	173.7	783.6 R
2019	0.0	212.7	189.1	96.6	75.1	7.7	189.7	770.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Kentucky, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	66,846	75,329	21,147	NA	NA
1961	63,032	70,937	18,344	NA	NA
1962	69,212	70,241	17,789	NA	NA
1963	77,350	74,634	18,344	NA	NA
1964	82,747	77,360	19,772	NA	NA
1965	85,766	78,976	19,386	NA	NA
1966	93,156	76,536	18,066	NA	NA
1967	100,294	89,168	15,535	NA	NA
1968	101,156	89,024	14,036	NA	NA
1969	109,049	81,304	12,924	NA	NA
1970	125,305	77,892	11,575	NA	NA
1971	119,389	72,723	10,692	NA	NA
1972	121,187	63,648	9,702	NA	NA
1973	127,645	62,396	8,687	NA	NA
1974	137,197	71,876	7,837	NA	NA
1975	143,613	60,511	7,556	NA	NA
1976	143,972	66,137	7,483	NA	NA
1977	146,262	60,902	6,581	NA	NA
1978	135,689	70,044	5,724	NA	NA
1979	147,782	59,520	5,514	NA	NA
1980	150,144	57,180	5,946	NA	NA
1981	157,559	61,312	6,548	0	NA
1982	150,215	51,924	7,349	0	NA
1983	131,217	46,720	7,886	0	NA
1984	159,541	61,518	7,777	0	NA
1985	152,272	73,126	7,790	0	NA
1986	153,933	80,195	6,475	0	NA
1987	165,192	70,125	5,743	0	NA
1988	157,852	73,629	5,458	0	NA
1989	167,389	72,417	5,414	0	NA
1990	173,322	75,333	5,409	0	NA
1991	158,980	78,904	5,485	0	NA
1992	161,068	79,690	5,479	0	NA
1993	156,299	86,966	4,595	0	NA
1994	161,642	73,081	4,013	0	NA
1995	153,739	74,754	3,492	0	NA
1996	152,425	81,435	3,602	0	NA
1997	155,853	79,547	2,988	0	NA
1998	150,295	81,869	2,921	0	NA
1999	139,626	76,770	2,777	0	NA
2000	130,688	81,545	3,465	0	NA
2001	134,297	81,723	2,969	0	5
2002	124,388	88,259	2,721	0	5
2003	113,126	87,608	2,538	0	6
2004	114,743	94,259	2,548	587	52
2005	120,029	92,795	2,535	570	111
2006	121,127	95,320	2,340	709	127
2007	115,530	95,437	2,666	848	129
2008	120,778	114,116	2,645	830	568
2009	107,802	113,300	2,609	842	538
2010	105,267	135,330	2,519	814 R	302
2011	108,971	124,243	2,326	702 R	1,108
2012	90,942	106,122	3,198	630 R	1,212
2013	80,546	94,664	2,305	654 R	841 R
2014	77,468	93,090	2,626	658 R	849 R
2015	61,434	95,907	2,862	652 R	833 R
2016	42,881	91,640	2,595	708 R	1,041 R
2017	41,807	88,715	2,477	713 R	1,102
2018	39,740	84,047 R	2,265	700 R	1,076
2019	36,111	77,882	2,505	844	1,076

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Kentucky, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	1,586.4	86.6 R	122.7	0.0	NA	22.4	28.3	1,846.4 R
1961	1,493.9	81.5 R	106.4	0.0	NA	21.5	27.1	1,730.5 R
1962	1,638.6	80.7 R	103.2	0.0	NA	22.1	29.3	1,873.9 R
1963	1,832.5	85.8 R	106.4	0.0	NA	23.2	24.4	2,072.3 R
1964	1,963.8	88.9 R	114.7	0.0	NA	21.8	25.3	2,214.4 R
1965	2,037.3	90.7 R	112.4	0.0	NA	21.7	25.8	2,287.9 R
1966	2,212.1	87.9 R	104.8	0.0	NA	22.6	26.7	2,454.1 R
1967	2,381.0	102.5 R	90.1	0.0	NA	22.5	38.6	2,634.6 R
1968	2,400.5	102.3 R	81.4	0.0	NA	22.9	30.4	2,637.6 R
1969	2,597.6	93.4 R	75.0	0.0	NA	23.4	28.0	2,817.3 R
1970	3,017.6	89.5 R	67.1	0.0	NA	23.7	33.3	3,231.2 R
1971	2,869.3	84.2 R	62.0	0.0	NA	24.9	37.1	3,077.4 R
1972	2,910.5	75.0 R	56.3	0.0	NA	27.4	39.1	3,108.3 R
1973	3,057.3	72.5	50.4	0.0	NA	27.9	39.7	3,247.8 R
1974	3,248.1	81.9 R	45.5	0.0	NA	31.2	35.5	3,442.1 R
1975	3,440.0	69.6 R	43.8	0.0	NA	30.8	36.0	3,620.3 R
1976	3,479.2	75.2 R	43.4	0.0	NA	35.3	32.8	3,665.9 R
1977	3,513.2	69.1 R	38.2	0.0	NA	29.6	34.6	3,684.6 R
1978	3,266.6	80.1 R	33.2	0.0	NA	37.6	33.0	3,450.4 R
1979	3,639.7	66.6 R	32.0	0.0	NA	41.7	40.8	3,820.8 R
1980	3,703.4	70.3	34.5	0.0	NA	25.3	30.5	3,863.9
1981	3,960.8	72.1	38.0	0.0	0.0	28.0	27.2	4,126.0
1982	3,760.4	64.1	42.6	0.0	0.0	34.4	34.9	3,936.5
1983	3,285.6	57.5	45.7	0.0	0.0	30.9	34.1	3,453.8
1984	3,997.4	73.5	45.1	0.0	0.0	38.0	36.7	4,190.7
1985	3,831.4	85.9	45.2	0.0	0.0	38.8	30.7	4,032.1
1986	3,877.1	90.4	37.6	0.0	0.0	34.7	28.6	4,068.3
1987	4,152.1	76.1	33.3	0.0	0.0	29.7	30.7	4,321.9
1988	4,011.8	80.3	31.7	0.0	0.0	31.4	25.0	4,180.2
1989	4,220.1	77.9	31.4	0.0	0.0	26.9	46.2	4,402.4
1990	4,414.4	81.9	31.4	0.0	0.0	17.4	33.1	4,578.1
1991	4,054.9	86.6	31.8	0.0	0.0	18.2	38.4	4,230.0
1992	4,112.7	88.5	31.8	0.0	0.0	18.8	39.2	4,291.0
1993	3,962.4	95.2	26.7	0.0	0.0	15.2	32.8	4,132.3
1994	4,107.5	81.2	23.3	0.0	0.0	14.9	41.8	4,268.6
1995	3,910.0	85.9	20.3	0.0	0.0	15.5	35.7	4,067.4
1996	3,860.5	89.5	20.9	0.0	0.0	18.5	36.6	4,026.0
1997	3,940.2	87.4	17.3	0.0	0.0	13.0	35.0	4,092.9
1998	3,832.7	88.3	16.9	0.0	0.0	11.1	32.3	3,981.4
1999	3,502.9	82.9	16.1	0.0	0.0	11.5	26.7	3,640.1
2000	3,270.2	87.1	20.1	0.0	0.0	11.7	24.3	3,413.5
2001	3,326.9	87.0	17.2	0.0	(s)	12.7	40.5	3,484.3
2002	3,099.0	94.1	15.8	0.0	(s)	21.2	41.7	3,271.7
2003	2,809.8	92.9	14.7	0.0	(s)	24.6	40.9	2,983.1
2004	2,845.5	100.9	14.8	0.0	3.8	26.4	39.0	3,030.3
2005	2,973.9	97.9	14.7	0.0	4.0	32.6	30.9	3,153.9
2006	3,000.9	101.1	13.6	0.0	4.9	30.4	27.1	3,177.9
2007	2,872.9	100.6	15.5	0.0	5.7	32.5	18.1	3,045.2
2008	2,927.9	121.3	15.3	0.0	7.9	32.3	20.8	3,125.5
2009	2,616.1	121.7	15.1	0.0	7.8	30.4	34.7	2,825.8
2010	2,556.1	145.6	14.6	0.0	6.3 R	36.7	27.8	2,787.1 R
2011	2,623.8	134.1	13.5	0.0	10.1 R	36.8	31.6	2,849.9 R
2012	2,193.3	118.6	18.5	0.0	10.2 R	32.9	25.3	2,398.8 R
2013	1,940.1	106.7	13.4	0.0	8.3 R	38.2	34.1	2,140.8 R
2014	1,869.3	105.3	15.2	0.0	8.4 R	40.5	32.8	2,071.6 R
2015	1,486.0	108.1	16.4	0.0	8.2 R	32.4	34.6	1,685.8 R
2016	1,041.1	102.6	14.8	0.0	9.7 R	32.1 R	35.2	1,235.5 R
2017	1,015.1	101.3	14.2	0.0	10.0 R	34.9 R	44.7	1,220.2 R
2018	955.5	96.1 R	12.9	0.0	9.8 R	36.7 R	43.7	1,154.6 R
2019	853.0	89.3	14.3	0.0	10.6	37.4	41.2	1,045.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Louisiana, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	2,701,290	360,224	NA	NA
1961	0	2,930,457	369,322	NA	NA
1962	0	3,065,142	400,393	NA	NA
1963	0	3,356,838	418,720	NA	NA
1964	0	3,518,012	438,438	NA	NA
1965	0	3,709,330	458,890	NA	NA
1966	0	4,109,389	500,055	NA	NA
1967	0	4,513,693	567,632	NA	NA
1968	0	4,897,689	566,683	NA	NA
1969	0	5,367,402	555,147	NA	NA
1970	0	5,473,309	579,984	NA	NA
1971	0	5,427,337	561,149	NA	NA
1972	0	5,061,807	520,279	NA	NA
1973	0	5,019,773	467,135	NA	NA
1974	0	4,410,390	400,564	NA	NA
1975	0	3,703,619	342,021	NA	NA
1976	0	3,475,977	307,328	NA	NA
1977	0	3,376,485	280,129	NA	NA
1978	0	3,375,176	258,816	NA	NA
1979	0	3,003,610	229,801	NA	NA
1980	0	2,739,651	213,806	NA	NA
1981	0	2,577,631	199,579	0	NA
1982	0	2,291,709	188,749	0	NA
1983	0	2,018,759	179,617	0	NA
1984	0	2,074,414	187,011	0	NA
1985	207	1,727,611	184,409	0	NA
1986	2,254	1,823,494	181,791	0	NA
1987	2,751	1,738,067	175,027	0	NA
1988	2,889	1,761,318	165,006	0	NA
1989	2,983	1,704,445	153,295	0	NA
1990	3,186	1,692,465	147,582	0	NA
1991	3,151	1,632,560	147,070	0	NA
1992	3,240	1,649,371	143,075	0	NA
1993	3,134	1,674,425	138,673	0	NA
1994	3,463	1,691,006	126,484	0	NA
1995	3,719	1,683,062	122,885	0	NA
1996	3,221	1,628,129	132,151	0	NA
1997	3,545	1,505,014	134,134	0	NA
1998	3,216	1,551,979	134,220	0	NA
1999	2,953	1,566,916	120,008	0	NA
2000	3,699	1,455,014	105,425	0	NA
2001	3,715	1,502,086	104,610	0	0
2002	3,803	1,361,751	93,321	0	0
2003	4,028	1,350,399	90,018	0	0
2004	3,805	1,353,249	83,272	0	0
2005	4,161	1,296,048	75,199	0	0
2006	4,114	1,361,119	73,619	0	66
2007	3,127	1,365,333	76,978	0	90
2008	3,843	1,377,969	72,346	23	66
2009	3,657	1,548,607	68,967	36	0
2010	3,945	2,210,099 R	67,590	30 R	0
2011	3,865	3,029,206 R	69,279	28 R	25
2012	3,971	2,955,437 R	70,994 R	29 R	102
2013	2,810	2,360,201	72,286 R	36	0
2014	2,605	1,960,813 R	69,456 R	33 R	0
2015	3,439	1,805,197	64,827 R	0	0
2016	2,798	1,784,396	57,075 R	0	0
2017	2,079	2,139,829	52,310 R	0	0
2018	1,483	2,832,404	48,102 R	0	0
2019	1,538	3,223,642	45,923	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production. Prior to 1997, differs from marketed production as reported in EIA's *Natural Gas Annual*, which includes federal offshore production in those years.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Louisiana, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	2,937.8	2,089.3	0.0	NA	39.0	0.0	5,066.1
1961	0.0	3,187.1	2,142.1	0.0	NA	37.2	0.0	5,366.3
1962	0.0	3,333.5	2,322.3	0.0	NA	36.8	0.0	5,692.6
1963	0.0	3,650.8	2,428.6	0.0	NA	39.1	0.0	6,118.5
1964	0.0	3,826.1	2,542.9	0.0	NA	39.3	0.0	6,408.3
1965	0.0	4,034.1	2,661.6	0.0	NA	38.3	0.0	6,734.0
1966	0.0	4,469.2	2,900.3	0.0	NA	39.8	0.0	7,409.3
1967	0.0	4,908.9	3,292.3	0.0	NA	37.7	0.0	8,238.9
1968	0.0	5,326.5	3,286.8	0.0	NA	40.8	0.0	8,654.1
1969	0.0	5,837.4	3,219.9	0.0	NA	40.7	0.0	9,097.9
1970	0.0	5,952.6	3,363.9	0.0	NA	41.6	0.0	9,358.1
1971	0.0	5,928.0	3,254.7	0.0	NA	41.9	0.0	9,224.5
1972	0.0	5,554.7	3,017.6	0.0	NA	44.8	0.0	8,617.1
1973	0.0	5,521.2	2,709.4	0.0	NA	45.7	0.0	8,276.3
1974	0.0	4,858.2	2,323.3	0.0	NA	44.9	0.0	7,226.4
1975	0.0	4,136.3	1,983.7	0.0	NA	42.4	0.0	6,162.4
1976	0.0	3,877.9	1,782.5	0.0	NA	45.2	0.0	5,705.5
1977	0.0	3,761.4	1,624.7	0.0	NA	46.7	0.0	5,432.9
1978	0.0	3,766.2	1,501.1	0.0	NA	47.8	0.0	5,315.1
1979	0.0	3,395.6	1,332.8	0.0	NA	44.7	0.0	4,773.2
1980	0.0	3,099.0	1,240.1	0.0	NA	64.7	0.0	4,403.8
1981	0.0	2,926.6	1,157.6	0.0	0.0	68.3	0.0	4,152.4
1982	0.0	2,622.3	1,094.7	0.0	0.0	69.7	0.0	3,786.7
1983	0.0	2,305.9	1,041.8	0.0	0.0	74.7	0.0	3,422.3
1984	0.0	2,373.9	1,084.7	0.0	0.0	78.6	0.0	3,537.2
1985	2.8	1,989.3	1,069.6	26.1	0.0	78.5	0.0	3,166.4
1986	30.9	2,080.2	1,054.4	112.5	0.0	99.8	0.0	3,377.9
1987	37.8	2,008.7	1,015.2	128.7	0.0	100.1	0.0	3,290.4
1988	40.1	2,034.9	957.0	146.2	0.0	103.9	0.0	3,282.1
1989	40.9	1,974.7	889.1	131.1	0.0	129.1	0.2	3,165.1
1990	43.8	1,961.8	856.0	150.2	0.0	118.2	7.0	3,137.1
1991	43.7	1,921.5	853.0	146.3	0.0	120.5	7.1	3,092.0
1992	45.0	1,932.7	829.8	108.4	0.0	123.8	7.0	3,046.8
1993	43.3	1,945.9	804.3	151.2	0.0	124.6	12.9	3,082.2
1994	47.7	1,965.5	733.6	133.6	0.0	136.9	10.3	3,027.6
1995	50.7	1,974.9	712.7	164.8	0.0	141.4	10.2	3,054.8
1996	44.4	1,919.3	766.5	165.6	0.0	142.1	10.3	3,048.2
1997	48.6	1,898.8	778.0	141.8	0.0	138.7	11.0	3,016.9
1998	43.5	1,876.2	778.5	172.3	0.0	136.2	11.3	3,018.0
1999	41.1	1,881.9	696.0	137.0	0.0	139.6	8.7	2,904.4
2000	50.4	1,781.1	611.5	164.7	0.0	136.4	5.9	2,750.0
2001	50.8	1,791.7	606.7	181.0	0.0	128.0	8.1	2,766.4
2002	52.0	1,651.0	541.3	180.7	0.0	131.3	9.7	2,565.8
2003	54.6	1,599.3	522.1	168.1	0.0	138.8	9.8	2,492.7
2004	51.7	1,609.9	483.0	178.1	0.0	173.8	11.8	2,508.3
2005	61.5	1,514.7	436.2	163.6	0.0	142.2	9.1	2,327.3
2006	57.5	1,571.9	427.0	174.6	0.4	141.3	8.1	2,380.9
2007	42.9	1,577.2	446.5	179.1	0.5	140.6	9.4	2,396.1
2008	54.8	1,562.6	419.6	160.7	0.5	97.4	11.8	2,307.4
2009	50.5	1,731.3	400.0	175.5	0.2	93.3	13.7	2,464.5
2010	54.3	2,419.3	392.0	194.8	0.2	100.5	12.6	3,173.8 R
2011	52.4	3,233.2	401.8	173.9	0.3	99.6	12.2	3,973.5
2012	53.0	3,052.1	411.8	164.1	0.7 R	100.2	8.6	3,790.6
2013	38.1	2,463.6	419.3	177.2	0.2	113.5	12.5	3,224.3
2014	35.5	2,068.2	402.8	181.1	0.2	136.1	13.3	2,837.2 R
2015	46.9	1,916.4	370.6 R	160.0	0.0	119.6	12.7	2,626.2 R
2016	38.5	1,893.8	326.6 R	179.4	0.0	140.9	13.9	2,593.0
2017	27.9	2,238.4	299.4 R	161.2	0.0	129.9 R	12.1	2,868.9 R
2018	20.4	2,942.6 R	274.5 R	179.3	0.0	128.5 R	14.8	3,560.1 R
2019	21.3	3,375.1	261.7	146.0	0.0	117.4	16.3	3,937.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production. Prior to 1997, differs from marketed production as reported in EIA's *Natural Gas Annual*, which includes federal offshore production in those years.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Maine, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	0	0	0	0
2010	0	0	0	0	2
2011	0	0	0	0	2
2012	0	0	0	0	4
2013	0	0	0	0	11
2014	0	0	0	0	10
2015	0	0	0	0	8
2016	0	0	0	0	11
2017	0	0	0	0	10
2018	0	0	0	0	10
2019	0	0	0	0	9

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Maine, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	29.2	30.6	59.8
1961	0.0	0.0	0.0	0.0	NA	28.8	27.7	56.6
1962	0.0	0.0	0.0	0.0	NA	29.0	26.7	55.7
1963	0.0	0.0	0.0	0.0	NA	29.0	29.9	58.9
1964	0.0	0.0	0.0	0.0	NA	30.1	25.9	55.9
1965	0.0	0.0	0.0	0.0	NA	30.1	21.6	51.7
1966	0.0	0.0	0.0	0.0	NA	30.6	25.2	55.8
1967	0.0	0.0	0.0	0.0	NA	31.6	26.7	58.3
1968	0.0	0.0	0.0	0.0	NA	32.7	27.1	59.8
1969	0.0	0.0	0.0	0.0	NA	32.8	28.9	61.7
1970	0.0	0.0	0.0	0.0	NA	29.5	29.9	59.4
1971	0.0	0.0	0.0	0.0	NA	29.6	25.8	55.4
1972	0.0	0.0	0.0	0.6	NA	32.3	27.6	60.5
1973	0.0	0.0	0.0	36.5	NA	32.5	32.2	101.2
1974	0.0	0.0	0.0	39.9	NA	33.9	30.4	104.2
1975	0.0	0.0	0.0	49.6	NA	32.7	27.7	110.0
1976	0.0	0.0	0.0	65.5	NA	38.0	32.1	135.6
1977	0.0	0.0	0.0	55.4	NA	41.0	31.7	128.1
1978	0.0	0.0	0.0	58.6	NA	45.6	29.3	133.5
1979	0.0	0.0	0.0	48.9	NA	48.0	28.9	125.8
1980	0.0	0.0	0.0	48.0	NA	96.0	25.1	169.2
1981	0.0	0.0	0.0	57.5	0.0	99.9	29.8	187.3
1982	0.0	0.0	0.0	50.1	0.0	96.1	30.8	177.0
1983	0.0	0.0	0.0	62.5	0.0	109.4	30.9	202.7
1984	0.0	0.0	0.0	55.6	0.0	108.1	31.2	194.9
1985	0.0	0.0	0.0	56.9	0.0	107.9	28.1	192.9
1986	0.0	0.0	0.0	66.0	0.0	91.4	31.4	188.8
1987	0.0	0.0	0.0	42.2	0.0	88.5	27.9	158.6
1988	0.0	0.0	0.0	53.2	0.0	91.8	26.2	171.2
1989	0.0	0.0	0.0	73.5	0.0	118.4	36.0	227.9
1990	0.0	0.0	0.0	51.4	0.0	109.0	42.6	203.1
1991	0.0	0.0	0.0	65.7	0.0	117.3	39.9	222.9
1992	0.0	0.0	0.0	56.1	0.0	122.6	36.4	215.1
1993	0.0	0.0	0.0	60.3	0.0	124.6	33.6	218.4
1994	0.0	0.0	0.0	69.3	0.0	120.4	36.3	226.1
1995	0.0	0.0	0.0	2.1	0.0	126.2	34.7	163.0
1996	0.0	0.0	0.0	53.2	0.0	124.1	43.1	220.4
1997	0.0	0.0	0.0	0.0	0.0	124.5	37.4	161.8
1998	0.0	0.0	0.0	0.0	0.0	113.2	38.0	151.2
1999	0.0	0.0	0.0	0.0	0.0	120.7	38.5	159.2
2000	0.0	0.0	0.0	0.0	0.0	126.3	36.7	163.0
2001	0.0	0.0	0.0	0.0	0.0	118.7	27.4	146.1
2002	0.0	0.0	0.0	0.0	0.0	112.1	28.3	140.4
2003	0.0	0.0	0.0	0.0	0.0	100.1	32.2	132.3
2004	0.0	0.0	0.0	0.0	0.0	102.3	34.5	136.8
2005	0.0	0.0	0.0	0.0	0.0	118.7	41.0	159.7
2006	0.0	0.0	0.0	0.0	0.0	109.8	42.6	152.3
2007	0.0	0.0	0.0	0.0	0.0	117.6	38.1	155.6
2008	0.0	0.0	0.0	0.0	0.0	137.2	45.4	182.6
2009	0.0	0.0	0.0	0.0	0.0	104.0	44.2	148.2
2010	0.0	0.0	0.0	0.0	(s)	116.7	42.3	159.0
2011	0.0	0.0	0.0	0.0	(s)	115.8	45.7	161.6
2012	0.0	0.0	0.0	0.0	(s)	113.1	44.2	157.3
2013	0.0	0.0	0.0	0.0	0.1	117.4	44.3	161.7
2014	0.0	0.0	0.0	0.0	0.1	112.2	45.2	157.5
2015	0.0	0.0	0.0	0.0	(s)	117.6	43.8	161.4
2016	0.0	0.0	0.0	0.0	0.1	98.3 R	43.6	141.9 R
2017	0.0	0.0	0.0	0.0	0.1	94.6 R	53.4	148.0 R
2018	0.0	0.0	0.0	0.0	0.1	97.1 R	52.2	149.4 R
2019	0.0	0.0	0.0	0.0	(s)	94.0	54.3	148.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Maryland, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	748	4,065	0	NA	NA
1961	757	3,578	0	NA	NA
1962	821	2,472	0	NA	NA
1963	1,162	1,633	0	NA	NA
1964	1,136	1,381	0	NA	NA
1965	1,210	408	0	NA	NA
1966	1,222	696	0	NA	NA
1967	1,305	621	0	NA	NA
1968	1,447	864	0	NA	NA
1969	1,368	978	0	NA	NA
1970	1,615	813	0	NA	NA
1971	1,644	214	0	NA	NA
1972	1,640	244	0	NA	NA
1973	1,789	298	0	NA	NA
1974	2,337	133	0	NA	NA
1975	2,606	93	0	NA	NA
1976	2,830	75	0	NA	NA
1977	3,036	82	0	NA	NA
1978	2,998	88	0	NA	NA
1979	2,616	28	0	NA	NA
1980	3,760	68	0	NA	NA
1981	4,452	56	0	0	NA
1982	3,817	36	0	0	NA
1983	3,184	31	0	0	NA
1984	4,103	60	0	0	NA
1985	2,985	39	0	0	NA
1986	3,906	20	0	0	NA
1987	3,962	44	0	0	NA
1988	3,242	29	0	0	NA
1989	3,376	34	0	0	NA
1990	3,487	22	0	0	NA
1991	3,773	29	0	0	NA
1992	3,341	33	0	0	NA
1993	3,355	28	0	0	NA
1994	3,632	26	0	0	NA
1995	3,667	22	0	0	NA
1996	4,093	135	0	0	NA
1997	4,160	118	0	0	NA
1998	4,060	63	0	0	NA
1999	3,837	18	0	0	NA
2000	4,546	34	0	0	NA
2001	4,644	32	0	0	0
2002	5,147	22	0	0	0
2003	5,056	48	0	0	0
2004	5,225	34	0	0	0
2005	5,183	46	0	0	0
2006	5,054	48	0	0	0
2007	2,301	35	0	0	7
2008	2,860	28	0	0	29
2009	2,305	43	0	0	0
2010	2,585	43	0	0	10
2011	2,937	34	0	0	23
2012	2,283	44	0	0	7
2013	1,925	32	0	0	0
2014	1,978	20	0	0	0
2015	1,922	38	0	0	0
2016	1,616	34	0	0	0
2017	1,808	32	0	0	0
2018	1,298	13 R	0	0	0
2019	1,471	10	0	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Maryland, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	18.9	4.2	0.0	0.0	NA	23.8	14.6	61.5
1961	19.2	3.7	0.0	0.0	NA	23.6	12.1	58.5
1962	20.8	2.5	0.0	0.0	NA	23.9	12.1	59.3
1963	29.4	1.7	0.0	0.0	NA	25.3	10.2	66.5
1964	28.8	1.4	0.0	0.0	NA	25.8	11.6	67.6
1965	30.6	0.4	0.0	0.0	NA	27.1	11.9	70.1
1966	30.9	0.7	0.0	0.0	NA	28.3	13.8	73.7
1967	33.0	0.6	0.0	0.0	NA	29.4	20.1	83.2
1968	36.6	0.9	0.0	0.0	NA	31.0	16.7	85.3
1969	34.6	1.0	0.0	0.0	NA	31.3	14.2	81.1
1970	40.9	0.8	0.0	0.0	NA	31.8	20.0	93.5
1971	41.6	0.2	0.0	0.0	NA	30.7	18.6	91.1
1972	41.5	0.2	0.0	0.0	NA	32.4	23.7	97.9
1973	40.5	0.3	0.0	0.0	NA	32.6	22.5	95.9
1974	51.3	0.1	0.0	0.0	NA	31.8	20.6	103.8
1975	59.1	0.1	0.0	48.3	NA	31.8	24.0	163.3
1976	65.5	0.1	0.0	70.9	NA	34.7	21.7	192.9
1977	70.3	0.1	0.0	117.2	NA	38.5	21.1	247.2
1978	69.8	0.1	0.0	108.3	NA	41.3	18.0	237.4
1979	62.3	(s)	0.0	105.2	NA	43.6	22.7	233.9
1980	89.5	0.1	0.0	119.4	NA	32.6	13.2	254.8
1981	107.3	0.1	0.0	127.1	0.0	30.5	14.9	279.8
1982	93.8	(s)	0.0	114.6	0.0	37.6	14.0	260.0
1983	79.1	(s)	0.0	127.3	0.0	33.5	18.6	258.6
1984	100.6	0.1	0.0	126.3	0.0	39.0	21.1	287.1
1985	74.7	(s)	0.0	105.4	0.0	39.2	15.9	235.3
1986	97.7	(s)	0.0	135.7	0.0	35.0	19.6	288.0
1987	99.1	(s)	0.0	105.1	0.0	31.0	16.8	252.0
1988	82.1	(s)	0.0	124.4	0.0	32.5	13.7	252.7
1989	84.5	(s)	0.0	28.8	0.0	36.8	18.7	168.8
1990	88.0	(s)	0.0	13.2	0.0	26.5	24.0	151.8
1991	95.4	(s)	0.0	94.7	0.0	26.9	14.8	231.9
1992	84.0	(s)	0.0	111.7	0.0	27.7	19.0	242.3
1993	84.7	(s)	0.0	129.2	0.0	32.0	17.2	263.2
1994	92.9	(s)	0.0	117.4	0.0	32.1	20.9	263.3
1995	94.1	(s)	0.0	135.9	0.0	36.8	15.0	281.9
1996	103.1	0.1	0.0	127.0	0.0	40.5	25.6	296.2
1997	103.6	0.1	0.0	138.7	0.0	36.5	16.4	295.3
1998	100.2	0.1	0.0	139.9	0.0	34.6	17.9	292.6
1999	94.4	(s)	0.0	139.1	0.0	35.9	14.7	284.2
2000	110.6	(s)	0.0	144.2	0.0	36.0	17.8	308.7
2001	111.7	(s)	0.0	142.6	0.0	20.8	12.4	287.6
2002	125.7	(s)	0.0	126.6	0.0	21.0	17.1	290.4
2003	124.6	(s)	0.0	142.7	0.0	27.1	27.0	321.5
2004	129.1	(s)	0.0	152.0	0.0	28.0	25.4	334.6
2005	126.7	(s)	0.0	153.4	0.0	26.3	17.3	323.8
2006	122.2	(s)	0.0	144.3	0.0	24.4	21.2	312.1
2007	53.8	(s)	0.0	150.6	(s)	24.1	16.7	245.2
2008	65.6	(s)	0.0	153.4	0.2	24.7	19.9	263.9
2009	53.4	(s)	0.0	152.2	0.0	29.4	19.1	254.1
2010	58.8	(s)	0.0	146.3	0.1	31.6	17.0	253.8
2011	65.9	(s)	0.0	150.7	0.1	29.2	28.5	274.4
2012	54.1	(s)	0.0	142.3	(s)	28.0	20.8	245.3
2013	45.3	(s)	0.0	149.0	0.0	31.2	22.3	247.9
2014	46.2	(s)	0.0	150.0	0.0	30.7	22.5	249.4
2015	45.6	(s)	0.0	153.1	0.0	23.5	24.1	246.4
2016	37.9	(s)	0.0	154.4	0.0	23.1	25.1	240.5
2017	42.8	(s)	0.0	158.0	0.0	22.1 R	33.2	256.2
2018	30.5	(s)	0.0	156.7	0.0	23.0	43.0	253.1
2019	34.7	(s)	0.0	156.8	0.0	17.7	37.8	247.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Massachusetts, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	0	0	0	(s)
2010	0	0	0	0	1
2011	0	0	0	0	2
2012	0	0	0	0	4
2013	0	0	0	0	5
2014	0	0	0	0	4
2015	0	0	0	0	7
2016	0	0	0	0	10
2017	0	0	0	0	20
2018	0	0	0	0	20
2019	0	0	0	0	17

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Massachusetts, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.4	NA	42.8	10.6	53.7
1961	0.0	0.0	0.0	9.9	NA	44.1	8.7	62.7
1962	0.0	0.0	0.0	8.0	NA	45.2	8.4	61.6
1963	0.0	0.0	0.0	11.2	NA	45.3	7.4	63.9
1964	0.0	0.0	0.0	14.2	NA	47.1	7.0	68.3
1965	0.0	0.0	0.0	11.4	NA	48.7	6.9	67.0
1966	0.0	0.0	0.0	12.6	NA	49.7	8.4	70.7
1967	0.0	0.0	0.0	14.7	NA	49.8	8.3	72.9
1968	0.0	0.0	0.0	13.8	NA	54.0	8.1	75.9
1969	0.0	0.0	0.0	12.6	NA	55.4	9.2	77.2
1970	0.0	0.0	0.0	13.3	NA	57.1	7.9	78.3
1971	0.0	0.0	0.0	15.6	NA	53.9	7.4	76.8
1972	0.0	0.0	0.0	16.2	NA	50.4	8.9	75.5
1973	0.0	0.0	0.0	55.8	NA	50.7	5.8	112.3
1974	0.0	0.0	0.0	32.2	NA	52.5	4.5	89.2
1975	0.0	0.0	0.0	41.6	NA	49.0	4.3	95.0
1976	0.0	0.0	0.0	40.5	NA	55.4	5.1	101.0
1977	0.0	0.0	0.0	39.6	NA	58.9	4.4	102.9
1978	0.0	0.0	0.0	60.9	NA	65.5	2.2	128.6
1979	0.0	0.0	0.0	66.1	NA	69.8	4.5	140.4
1980	0.0	0.0	0.0	35.3	NA	70.9	1.6	107.8
1981	0.0	0.0	0.0	47.8	0.0	68.7	4.5	120.9
1982	0.0	0.0	0.0	46.2	0.0	64.0	2.6	112.9
1983	0.0	0.0	0.0	66.1	0.0	75.7	2.9	144.7
1984	0.0	0.0	0.0	11.2	0.0	61.9	3.1	76.3
1985	0.0	0.0	0.0	65.1	0.0	62.7	2.7	130.6
1986	0.0	0.0	0.0	25.6	0.0	65.5	4.1	95.2
1987	0.0	0.0	0.0	11.9	0.0	57.0	3.2	72.1
1988	0.0	0.0	0.0	11.8	0.0	59.6	2.2	73.7
1989	0.0	0.0	0.0	31.9	0.0	62.4	4.4	98.7
1990	0.0	0.0	0.0	53.6	0.0	52.1	13.2	118.9
1991	0.0	0.0	0.0	46.3	0.0	54.7	11.9	112.9
1992	0.0	0.0	0.0	49.7	0.0	57.7	10.7	118.1
1993	0.0	0.0	0.0	45.6	0.0	60.4	9.4	115.3
1994	0.0	0.0	0.0	40.3	0.0	63.5	10.0	113.8
1995	0.0	0.0	0.0	47.1	0.0	63.3	9.3	119.7
1996	0.0	0.0	0.0	55.9	0.0	65.8	12.7	134.4
1997	0.0	0.0	0.0	45.2	0.0	61.4	10.9	117.5
1998	0.0	0.0	0.0	59.8	0.0	55.5	10.9	126.2
1999	0.0	0.0	0.0	47.2	0.0	54.8	10.4	112.4
2000	0.0	0.0	0.0	57.5	0.0	58.2	11.3	127.0
2001	0.0	0.0	0.0	53.7	0.0	40.3	7.7	101.7
2002	0.0	0.0	0.0	60.2	0.0	37.4	9.3	107.0
2003	0.0	0.0	0.0	51.9	0.0	38.9	11.4	102.2
2004	0.0	0.0	0.0	61.9	0.0	40.5	10.6	113.0
2005	0.0	0.0	0.0	57.1	0.0	29.7	11.1	97.9
2006	0.0	0.0	0.0	60.8	0.0	29.8	15.7	106.4
2007	0.0	0.0	0.0	53.7	0.0	29.5	8.7	91.9
2008	0.0	0.0	0.0	61.3	0.0	30.4	12.3	104.1
2009	0.0	0.0	0.0	56.4	(s)	36.4	12.9	105.8
2010	0.0	0.0	0.0	61.9	(s)	39.3	11.4	112.5
2011	0.0	0.0	0.0	53.2	(s)	39.3	13.8	106.3
2012	0.0	0.0	0.0	61.4	(s)	37.0	12.9	111.4
2013	0.0	0.0	0.0	45.3	(s)	40.0	17.0	102.3
2014	0.0	0.0	0.0	60.3	(s)	41.5	20.7	122.6
2015	0.0	0.0	0.0	52.2	(s)	39.6	23.1	115.0
2016	0.0	0.0	0.0	56.6	0.1	38.6	26.9	122.2
2017	0.0	0.0	0.0	52.8	0.1	34.3 R	34.1	121.2 R
2018	0.0	0.0	0.0	46.4	0.1	33.8 R	41.4	121.7 R
2019	0.0	0.0	0.0	22.7	0.1	33.1	40.9	96.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Michigan, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	20,790	15,899	NA	NA
1961	0	27,697	18,901	NA	NA
1962	0	28,987	17,114	NA	NA
1963	0	32,850	15,972	NA	NA
1964	0	31,558	15,601	NA	NA
1965	0	34,558	14,728	NA	NA
1966	0	34,120	14,273	NA	NA
1967	0	33,589	13,664	NA	NA
1968	0	40,480	12,974	NA	NA
1969	0	36,163	12,213	NA	NA
1970	0	38,851	11,693	NA	NA
1971	0	25,662	11,893	NA	NA
1972	0	34,221	12,990	NA	NA
1973	0	44,579	14,614	NA	NA
1974	0	69,133	18,021	NA	NA
1975	0	102,113	24,420	NA	NA
1976	0	119,262	30,421	NA	NA
1977	0	129,954	32,965	NA	NA
1978	0	148,047	34,667	NA	NA
1979	0	159,731	34,862	NA	NA
1980	0	158,302	33,808	NA	NA
1981	0	152,593	32,665	0	NA
1982	0	153,051	31,462	0	NA
1983	0	138,910	31,736	0	NA
1984	0	144,537	30,554	0	NA
1985	0	131,855	27,300	0	NA
1986	0	127,287	25,688	0	NA
1987	0	146,996	25,972	0	NA
1988	0	146,145	23,250	0	NA
1989	0	155,988	21,568	0	NA
1990	0	172,151	19,676	0	NA
1991	0	195,749	17,520	0	NA
1992	0	194,815	15,579	0	NA
1993	0	204,635	13,799	0	NA
1994	0	222,657	12,207	0	NA
1995	0	238,203	11,383	0	NA
1996	0	245,740	10,837	0	NA
1997	0	305,950	10,053	0	NA
1998	0	278,076	8,994	0	NA
1999	0	277,364	7,836	0	NA
2000	0	296,556	7,907	0	NA
2001	0	275,036	7,375	0	0
2002	0	274,476	7,218	0	0
2003	0	236,987	6,468	1,030	0
2004	0	259,681	5,951	1,155	0
2005	0	261,112	5,734	1,111	0
2006	0	263,009	5,849	1,867	0
2007	0	264,907	5,726	4,420	172
2008	0	153,130	6,370	5,416	240
2009	0	153,736	6,258	5,114	96
2010	0	131,118	6,980	6,590 R	1
2011	0	138,162	7,038	6,577 R	2
2012	0	129,333	7,450 R	6,395 R	5
2013	0	123,622	7,781 R	6,611 R	76 R
2014	0	115,065	7,419 R	6,704 R	77
2015	0	107,664	6,560	6,713 R	131 R
2016	0	102,003	5,639 R	6,824 R	239 R
2017	0	96,451	5,521 R	8,158 R	234
2018	0	89,572 R	5,433 R	8,595 R	310
2019	0	83,733	5,092	8,186	247

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Michigan, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	23.1	92.2	0.0	NA	37.3	21.8	174.4
1961	0.0	30.7 R	109.6	0.0	NA	36.2	19.0	195.5 R
1962	0.0	32.1 R	99.3	0.0	NA	35.7	18.0	185.2
1963	0.0	36.4 R	92.6	1.5	NA	37.0	14.4	181.9
1964	0.0	35.0	90.5	2.3	NA	36.6	16.2	180.5 R
1965	0.0	38.3 R	85.4	2.1	NA	36.9	19.0	181.7 R
1966	0.0	37.8 R	82.8	4.0	NA	37.9	19.0	181.4 R
1967	0.0	37.2 R	79.3	5.8	NA	36.0	20.6	178.8 R
1968	0.0	44.9 R	75.2	4.8	NA	36.4	19.9	181.3
1969	0.0	40.1 R	70.8	4.4	NA	36.9	19.8	172.0
1970	0.0	43.1	67.8	4.1	NA	36.4	17.9	169.3 R
1971	0.0	29.4 R	69.0	4.2	NA	35.3	18.6	156.6
1972	0.0	38.0	75.3	22.9	NA	37.6	18.6	192.4 R
1973	0.0	47.6	84.8	32.5	NA	36.3	10.9	212.1
1974	0.0	72.7 R	104.5	4.6	NA	38.2	12.3	232.5
1975	0.0	107.9	141.6	79.0	NA	35.9	11.6	376.0
1976	0.0	130.9	176.4	109.4	NA	41.6	10.9	469.1 R
1977	0.0	149.0 R	191.2	110.2	NA	45.0	9.7	505.1 R
1978	0.0	171.0 R	201.1	143.4	NA	55.0	11.2	581.7 R
1979	0.0	186.7 R	202.2	164.7	NA	60.4	13.5	627.4 R
1980	0.0	189.3 R	196.1	173.3	NA	90.6	12.5	661.7
1981	0.0	180.7	189.5	188.2	0.0	95.3	13.0	666.6
1982	0.0	180.0	182.5	166.1	0.0	94.8	12.7	636.1
1983	0.0	163.5	184.1	178.7	0.0	104.8	12.9	644.0
1984	0.0	168.0	177.2	152.7	0.0	99.1	11.2	608.2
1985	0.0	152.6	158.3	142.9	0.0	100.2	10.4	564.5
1986	0.0	149.6	149.0	129.7	0.0	105.6	7.5	541.4
1987	0.0	168.5	150.6	150.3	0.0	107.1	5.0	581.4
1988	0.0	168.8	134.9	188.8	0.0	112.2	6.2	610.8
1989	0.0	178.5	125.1	225.5	0.0	103.3	8.6	641.0
1990	0.0	191.6	114.1	228.7	0.0	80.2	17.7	632.4
1991	0.0	214.8	101.6	283.3	0.0	86.2	19.1	705.1
1992	0.0	213.4	90.4	197.4	0.0	89.1	19.3	609.6
1993	0.0	221.7	80.0	299.6	0.0	81.4	19.1	701.9
1994	0.0	238.8	70.8	147.8	0.0	84.3	18.1	559.9
1995	0.0	253.7	66.0	256.9	0.0	88.2	17.6	682.3
1996	0.0	259.7	62.9	281.8	0.0	102.9	19.6	726.8
1997	0.0	320.9	58.3	230.0	0.0	95.0	18.7	722.9
1998	0.0	293.2	52.2	131.1	0.0	90.4	15.6	582.4
1999	0.0	292.1	45.4	152.5	0.0	91.6	16.3	597.9
2000	0.0	311.9	45.9	196.9	0.0	94.6	15.9	665.2
2001	0.0	288.4	42.8	278.9	0.0	76.6	17.6	704.2
2002	0.0	285.8	41.9	324.6	0.0	70.7	18.5	741.5
2003	0.0	249.0	37.5	291.3	6.2	81.1	16.0	681.1
2004	0.0	271.8	34.5	318.7	6.9	84.3	17.6	733.8
2005	0.0	270.3	33.3	343.0	6.6	93.1	17.1	763.4
2006	0.0	271.9	33.9	303.3	11.0	88.2	18.0	726.3
2007	0.0	274.6	33.2	330.6	26.7	90.3	16.0	771.4
2008	0.0	161.8	36.9	329.1	32.7	94.8	18.8	674.2
2009	0.0	160.1	36.3	228.5	30.0	80.5	21.1	556.6
2010	0.0	137.2	40.5	309.6	38.0 R	89.4	21.1	635.8 R
2011	0.0	143.5	40.8	344.2	37.8 R	101.1	23.3	690.6 R
2012	0.0	135.1	43.2	293.6	36.6 R	97.6	28.2	634.3 R
2013	0.0	129.8	45.1	302.2	38.1 R	104.3	46.2	665.7 R
2014	0.0	120.2	43.0	326.8	38.5 R	105.9	58.0	692.5 R
2015	0.0	114.1	37.5	306.8	38.8 R	119.5	64.7	681.3 R
2016	0.0	108.5	32.3 R	330.0	39.8 R	112.4 R	64.1	687.0 R
2017	0.0	102.6	31.6 R	338.7	47.2 R	107.9 R	70.2	698.2 R
2018	0.0	95.8	31.0 R	318.7	50.1 R	114.9 R	71.5	681.9 R
2019	0.0	90.2	29.0	343.6	47.2	111.1	74.5	695.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Minnesota, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	62	NA
1987	0	0	0	62	NA
1988	0	0	0	62	NA
1989	0	0	0	262	NA
1990	0	0	0	262	NA
1991	0	0	0	405	NA
1992	0	0	0	833	NA
1993	0	0	0	905	NA
1994	0	0	0	976	NA
1995	0	0	0	1,214	NA
1996	0	0	0	1,643	NA
1997	0	0	0	2,667	NA
1998	0	0	0	2,952	NA
1999	0	0	0	4,524	NA
2000	0	0	0	5,238	NA
2001	0	0	0	6,000	0
2002	0	0	0	7,143	0
2003	0	0	0	8,548	0
2004	0	0	0	9,524	7
2005	0	0	0	10,000	381
2006	0	0	0	13,095	1,429
2007	0	0	0	14,119	1,071
2008	0	0	0	17,133	714
2009	0	0	0	22,651	786
2010	0	0	0	26,246 R	786
2011	0	0	0	27,452 R	786
2012	0	0	0	25,193 R	786
2013	0	0	0	24,480 R	1,429
2014	0	0	0	26,791 R	1,429
2015	0	0	0	27,718 R	1,429
2016	0	0	0	27,920 R	1,762
2017	0	0	0	28,509 R	1,654
2018	0	0	0	29,187 R	1,799
2019	0	0	0	30,107	1,692

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Minnesota, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	25.4	9.5	35.0
1961	0.0	0.0	0.0	0.0	NA	24.6	7.9	32.5
1962	0.0	0.0	0.0	0.0	NA	24.2	10.2	34.4
1963	0.0	0.0	0.0	(s)	NA	23.5	8.8	32.3
1964	0.0	0.0	0.0	0.7	NA	23.3	9.9	33.9
1965	0.0	0.0	0.0	1.7	NA	23.4	11.4	36.5
1966	0.0	0.0	0.0	1.5	NA	22.7	12.3	36.5
1967	0.0	0.0	0.0	1.6	NA	23.4	9.0	34.0
1968	0.0	0.0	0.0	0.2	NA	23.4	10.5	34.0
1969	0.0	0.0	0.0	0.0	NA	23.7	10.5	34.2
1970	0.0	0.0	0.0	0.0	NA	23.4	9.4	32.8
1971	0.0	0.0	0.0	15.1	NA	23.5	10.3	48.9
1972	0.0	0.0	0.0	38.4	NA	24.9	10.8	74.1
1973	0.0	0.0	0.0	35.7	NA	25.5	11.0	72.1
1974	0.0	0.0	0.0	48.7	NA	26.3	9.6	84.6
1975	0.0	0.0	0.0	107.4	NA	27.4	9.5	144.3
1976	0.0	0.0	0.0	109.5	NA	29.5	6.1	145.1
1977	0.0	0.0	0.0	120.2	NA	29.7	7.0	156.9
1978	0.0	0.0	0.0	126.8	NA	39.0	11.2	177.1
1979	0.0	0.0	0.0	125.1	NA	44.5	9.5	179.1
1980	0.0	0.0	0.0	109.4	NA	46.6	8.2	164.2
1981	0.0	0.0	0.0	112.4	0.0	46.8	9.8	169.0
1982	0.0	0.0	0.0	112.9	0.0	48.4	10.5	171.8
1983	0.0	0.0	0.0	128.2	0.0	51.4	11.3	190.8
1984	0.0	0.0	0.0	90.3	0.0	55.9	10.1	156.3
1985	0.0	0.0	0.0	122.9	0.0	56.3	10.2	189.4
1986	0.0	0.0	0.0	116.9	0.4	52.2	11.3	180.8
1987	0.0	0.0	0.0	120.6	0.4	49.5	9.0	179.6
1988	0.0	0.0	0.0	130.3	0.4	52.8	7.0	190.5
1989	0.0	0.0	0.0	115.6	1.6	52.9	9.0	179.2
1990	0.0	0.0	0.0	128.5	1.6	48.8	9.4	188.3
1991	0.0	0.0	0.0	126.4	2.5	49.4	11.3	189.7
1992	0.0	0.0	0.0	116.9	5.2	52.8	11.5	186.4
1993	0.0	0.0	0.0	125.9	5.6	52.1	12.4	196.0
1994	0.0	0.0	0.0	127.8	6.0	53.5	12.7	199.9
1995	0.0	0.0	0.0	139.1	7.4	56.2	12.5	215.2
1996	0.0	0.0	0.0	127.0	10.0	57.1	13.3	207.5
1997	0.0	0.0	0.0	113.5	16.2	55.6	11.7	197.0
1998	0.0	0.0	0.0	122.2	17.9	50.9	11.8	202.7
1999	0.0	0.0	0.0	139.1	27.3	50.5	17.6	234.6
2000	0.0	0.0	0.0	135.2	31.6	54.4	17.4	238.6
2001	0.0	0.0	0.0	123.1	36.2	54.4	18.4	232.1
2002	0.0	0.0	0.0	142.9	43.0	46.3	17.9	250.1
2003	0.0	0.0	0.0	139.8	51.1	43.9	18.7	253.6
2004	0.0	0.0	0.0	138.6	56.7	52.8	16.1	264.2
2005	0.0	0.0	0.0	133.9	61.2	57.1	24.2	276.4
2006	0.0	0.0	0.0	137.6	84.7	53.5	26.7	302.5
2007	0.0	0.0	0.0	137.4	88.3	63.5	33.3	322.5
2008	0.0	0.0	0.0	135.8	103.3	64.7	51.0	354.8
2009	0.0	0.0	0.0	129.6	135.0	69.5	58.3	392.5
2010	0.0	0.0	0.0	140.9	155.4 R	79.4	56.2	431.9 R
2011	0.0	0.0	0.0	125.1	161.9 R	74.4	73.8	435.2 R
2012	0.0	0.0	0.0	125.2	148.4 R	73.3	84.5	431.4 R
2013	0.0	0.0	0.0	111.9	147.4 R	73.0	85.1	417.4 R
2014	0.0	0.0	0.0	132.9	160.1 R	80.8	98.9	472.6 R
2015	0.0	0.0	0.0	125.9	164.8 R	79.4	100.6	470.7 R
2016	0.0	0.0	0.0	145.0	167.2 R	78.0 R	104.6	494.7 R
2017	0.0	0.0	0.0	145.4	169.6	70.4 R	121.5	507.0 R
2018	0.0	0.0	0.0	152.7	174.0 R	71.4 R	118.6	516.7 R
2019	0.0	0.0	0.0	147.3	177.8	65.0	120.4	510.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Mississippi, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	172,478	51,673	NA	NA
1961	0	172,543	54,688	NA	NA
1962	0	170,271	55,713	NA	NA
1963	0	176,807	58,619	NA	NA
1964	0	181,414	56,777	NA	NA
1965	0	166,825	56,183	NA	NA
1966	0	156,652	55,227	NA	NA
1967	0	139,497	57,147	NA	NA
1968	0	135,051	58,708	NA	NA
1969	0	131,234	64,283	NA	NA
1970	0	126,031	65,119	NA	NA
1971	0	118,805	64,066	NA	NA
1972	0	103,989	61,100	NA	NA
1973	0	99,706	56,102	NA	NA
1974	0	78,787	50,779	NA	NA
1975	0	74,345	46,614	NA	NA
1976	0	70,762	46,072	NA	NA
1977	0	82,995	43,022	NA	NA
1978	0	106,579	42,024	NA	NA
1979	0	144,077	37,327	NA	NA
1980	0	175,061	35,945	NA	NA
1981	0	181,238	34,204	0	NA
1982	0	167,231	33,047	0	NA
1983	0	151,204	31,455	0	NA
1984	0	157,911	32,776	0	NA
1985	0	144,172	30,641	0	NA
1986	0	140,833	29,997	0	NA
1987	0	139,727	28,103	0	NA
1988	0	124,053	27,553	0	NA
1989	0	102,645	27,403	0	NA
1990	0	94,616	27,034	0	NA
1991	0	108,031	27,055	0	NA
1992	0	91,697	25,182	0	NA
1993	0	80,695	22,613	0	NA
1994	0	63,448	20,124	0	NA
1995	0	95,533	19,910	0	NA
1996	0	103,263	19,509	0	NA
1997	0	107,300	21,037	0	NA
1998	0	108,068	22,031	0	NA
1999	18	111,021	17,951	0	NA
2000	902	88,558	19,844	0	NA
2001	604	107,541	19,528	0	0
2002	2,305	112,980	19,371	0	0
2003	3,695	133,901	19,301	0	0
2004	3,586	63,353	19,242	0	0
2005	3,555	52,923	17,695	0	0
2006	3,797	60,531	17,356	0	28
2007	3,545	73,460	20,672	0	455
2008	2,842	96,641	22,104	106	481
2009	3,440	88,157	23,328	1,285	363
2010	4,004	73,721	23,981	1,076 R	21
2011	2,747	81,487	24,043	993 R	460
2012	2,953	63,843	24,137	870 R	658
2013	3,575	59,272	24,057	0	943 R
2014	3,737	54,446	24,395	0	685 R
2015	3,143	58,181	24,923	703 R	349 R
2016	2,870	48,504	20,386	1,181 R	1,474 R
2017	2,604	38,438	17,783	1,199 R	1,239
2018	2,940	35,564	16,953	1,191 R	1,548
2019	2,697	33,307	16,878	0	1,070

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Mississippi, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	179.7	299.7	0.0	NA	46.6	0.0	525.9
1961	0.0	179.7	317.2	0.0	NA	45.5	0.0	542.5
1962	0.0	177.4	323.1	0.0	NA	44.7	0.0	545.2
1963	0.0	184.2	340.0	0.0	NA	39.2	0.0	563.3
1964	0.0	189.0	329.3	0.0	NA	38.4	0.0	556.7
1965	0.0	173.8	325.9	0.0	NA	37.8	0.0	537.4
1966	0.0	163.2	320.3	0.0	NA	37.8	0.0	521.3
1967	0.0	145.3	331.5	0.0	NA	34.3	0.0	511.0
1968	0.0	140.7	340.5	0.0	NA	35.5	0.0	516.6
1969	0.0	136.7	372.8	0.0	NA	34.6	0.0	544.2
1970	0.0	131.3	377.7	0.0	NA	33.5	0.0	542.5
1971	0.0	123.9	371.6	0.0	NA	32.8	0.0	528.3
1972	0.0	108.4	354.4	0.0	NA	32.4	0.0	495.3
1973	0.0	103.6	325.4	0.0	NA	32.2	0.0	461.2
1974	0.0	81.9	294.5	0.0	NA	31.3	0.0	407.7
1975	0.0	76.9	270.4	0.0	NA	31.2	0.0	378.5
1976	0.0	73.2	267.2	0.0	NA	34.8	0.0	375.2
1977	0.0	85.6	249.5	0.0	NA	36.2	0.0	371.4
1978	0.0	109.6	243.7	0.0	NA	37.6	0.0	390.9
1979	0.0	149.5	216.5	0.0	NA	37.5	0.0	403.5
1980	0.0	181.0	208.5	0.0	NA	38.1	0.0	427.5
1981	0.0	187.3	198.4	0.0	0.0	41.1	0.0	426.7
1982	0.0	173.4	191.7	0.0	0.0	44.6	0.0	409.7
1983	0.0	156.3	182.4	0.0	0.0	45.1	0.0	383.8
1984	0.0	163.6	190.1	1.8	0.0	50.5	0.0	406.0
1985	0.0	149.0	177.7	46.0	0.0	50.9	0.0	423.6
1986	0.0	145.1	174.0	43.2	0.0	49.2	0.0	411.5
1987	0.0	143.0	163.0	80.6	0.0	45.4	0.0	432.0
1988	0.0	127.5	159.8	101.6	0.0	47.4	0.0	436.3
1989	0.0	106.3	158.9	82.8	0.0	76.4	(s)	424.5
1990	0.0	98.5	156.8	78.5	0.0	84.8	(s)	418.7
1991	0.0	112.0	156.9	95.8	0.0	89.5	(s)	454.2
1992	0.0	96.7	146.1	85.6	0.0	90.8	(s)	419.1
1993	0.0	83.2	131.2	83.0	0.0	92.4	0.1	389.8
1994	0.0	66.2	116.7	100.5	0.0	94.8	0.1	378.3
1995	0.0	98.6	115.5	84.2	0.0	94.1	0.1	392.5
1996	0.0	106.9	113.2	96.9	0.0	85.6	0.2	402.7
1997	0.0	111.4	122.0	113.5	0.0	84.1	0.2	431.2
1998	0.0	113.8	127.8	96.4	0.0	63.9	0.2	402.2
1999	0.2	123.3	104.1	88.1	0.0	64.9	0.3	380.8
2000	10.2	108.8	115.1	111.5	0.0	75.1	0.3	421.0
2001	6.8	135.4	113.3	103.6	0.0	55.8	0.3	415.2
2002	26.0	143.1	112.4	105.0	0.0	49.3	0.3	436.1
2003	37.6	157.4	111.9	113.6	0.0	44.9	0.4	465.9
2004	36.6	87.2	111.6	106.7	0.0	60.8	0.5	403.4
2005	36.2	77.6	102.6	105.2	0.0	62.1	0.6	384.3
2006	38.8	84.5	100.7	108.7	0.2	62.5	0.6	396.0
2007	36.2	95.3	119.9	98.2	2.5	63.0	0.6	415.6
2008	28.8	114.9	128.2	98.2	3.2	46.1	0.7	420.1
2009	35.1	116.5	135.3	115.0	9.4	45.5	0.8	457.6
2010	41.6	103.0	139.1	100.8	6.3 R	56.5	0.9	448.1 R
2011	28.8	99.6	139.4	108.2	8.2 R	57.1	1.1	442.4 R
2012	30.5	65.3	140.0	76.5	8.6 R	70.1	1.0	391.9 R
2013	37.2	60.9	139.5	113.5	5.1	58.6	1.0	415.8
2014	39.1	56.7	141.5	107.2	3.7	59.9	1.0	409.0
2015	34.5	60.5	142.5	122.5	5.9 R	53.5	1.0	420.4 R
2016	32.3	50.4	116.6	61.7	14.7 R	62.4	1.0	339.2 R
2017	32.0	39.7	101.8	77.0	13.5 R	55.6 R	1.9	321.5 R
2018	32.0	36.5	96.7	72.3	15.1 R	57.4 R	4.0	314.1 R
2019	28.4	34.3	96.2	115.2	5.8	56.6	4.0	340.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Missouri, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	2,890	75	75	NA	NA
1961	2,938	90	72	NA	NA
1962	2,896	92	55	NA	NA
1963	3,175	100	53	NA	NA
1964	3,253	108	65	NA	NA
1965	3,564	84	73	NA	NA
1966	3,582	0	97	NA	NA
1967	3,696	121	75	NA	NA
1968	3,205	14	65	NA	NA
1969	3,301	126	67	NA	NA
1970	4,447	87	66	NA	NA
1971	4,036	22	66	NA	NA
1972	4,551	9	60	NA	NA
1973	4,658	33	60	NA	NA
1974	4,623	33	56	NA	NA
1975	5,638	30	57	NA	NA
1976	6,075	29	61	NA	NA
1977	6,366	20	60	NA	NA
1978	5,665	0	54	NA	NA
1979	6,450	0	91	NA	NA
1980	5,503	0	130	NA	NA
1981	4,888	0	226	0	NA
1982	5,341	0	202	0	NA
1983	4,982	0	269	0	NA
1984	6,733	4	285	0	NA
1985	5,571	4	243	0	NA
1986	4,687	4	110	0	NA
1987	4,292	4	110	0	NA
1988	4,169	4	156	0	NA
1989	3,378	4	133	0	NA
1990	2,647	7	146	0	NA
1991	2,304	15	149	0	NA
1992	2,886	27	143	0	NA
1993	653	14	135	0	NA
1994	838	8	123	0	NA
1995	548	16	120	0	NA
1996	710	25	115	0	NA
1997	401	5	114	0	NA
1998	372	0	93	0	NA
1999	392	0	92	0	NA
2000	436	0	94	231	NA
2001	366	0	91	581	0
2002	248	0	95	778	0
2003	533	0	87	1,288	0
2004	578	0	88	1,386	0
2005	598	0	86	2,277	37
2006	394	0	87	2,801	506
2007	236	0	80	3,845	890
2008	247	0	99	5,320	1,519
2009	452	0	106	6,209	1,398
2010	458	0	146	6,143 R	752
2011	465	0	118	6,036 R	2,117
2012	422	0	175	5,290 R	2,509
2013	414	9	199	5,328 R	3,770 R
2014	363	3	196	6,300 R	3,808 R
2015	138	1	149	6,506 R	3,237 R
2016	234	1	123	6,646 R	3,872 R
2017	244	1	116	6,828 R	4,066 R
2018	259	1 R	96 R	6,837 R	5,056 R
2019	189	1	85	6,597	4,719

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Missouri, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	61.0	0.1	0.4	0.0	NA	33.6	7.8	103.0
1961	62.0	0.1	0.4	0.0	NA	31.9	13.2	107.6
1962	61.2	0.1	0.3	0.0	NA	30.9	9.3	101.8
1963	67.0	0.1	0.3	0.0	NA	29.4	3.9	100.8
1964	68.7	0.1	0.4	0.0	NA	27.9	3.3	100.4
1965	75.3	0.1	0.4	0.0	NA	27.0	8.4	111.2
1966	75.6	0.0	0.6	0.0	NA	26.8	6.2	109.2
1967	78.0	0.1	0.4	0.0	NA	24.9	6.7	110.2
1968	67.7	(s)	0.4	0.0	NA	25.2	13.9	107.2
1969	69.7	0.1	0.4	0.0	NA	24.6	15.0	109.8
1970	93.9	0.1	0.4	0.0	NA	23.6	9.7	127.7
1971	85.2	(s)	0.4	0.0	NA	23.0	7.4	116.0
1972	96.1	(s)	0.3	0.0	NA	23.0	6.4	125.8
1973	90.6	(s)	0.3	0.0	NA	23.0	20.9	134.8
1974	89.4	(s)	0.3	0.0	NA	26.1	17.9	133.8
1975	107.2	(s)	0.3	0.0	NA	27.1	13.3	148.0
1976	116.5	(s)	0.4	0.0	NA	31.9	7.7	156.5
1977	124.9	(s)	0.3	0.0	NA	33.2	4.7	163.2
1978	111.5	0.0	0.3	0.0	NA	39.1	10.5	161.4
1979	127.4	0.0	0.5	0.0	NA	44.6	11.4	183.8
1980	108.7	0.0	0.8	0.0	NA	25.1	5.8	140.3
1981	98.8	0.0	1.3	0.0	0.0	23.5	7.0	130.7
1982	109.5	0.0	1.2	0.0	0.0	26.6	17.3	154.5
1983	101.7	0.0	1.6	0.0	0.0	26.0	18.0	147.3
1984	137.9	(s)	1.7	10.0	0.0	30.5	16.6	196.6
1985	113.9	(s)	1.4	85.3	0.0	31.1	31.3	263.0
1986	96.7	(s)	0.6	75.9	0.0	28.5	20.8	222.5
1987	88.6	(s)	0.6	65.6	0.0	25.7	15.1	195.6
1988	88.0	(s)	0.9	94.7	0.0	27.5	15.6	226.7
1989	70.8	(s)	0.8	88.3	0.0	24.7	11.6	196.2
1990	56.0	(s)	0.8	84.6	0.0	17.9	23.0	182.4
1991	48.5	(s)	0.9	104.6	0.0	18.6	11.9	184.5
1992	61.1	(s)	0.8	84.6	0.0	19.2	15.5	181.3
1993	14.1	(s)	0.8	88.0	0.0	16.9	33.0	153.0
1994	19.0	(s)	0.7	104.6	0.0	15.9	20.0	160.2
1995	12.5	(s)	0.7	86.6	0.0	16.3	20.0	136.1
1996	15.7	(s)	0.7	93.4	0.0	17.0	13.8	140.5
1997	8.8	(s)	0.7	94.0	0.0	14.3	16.5	134.1
1998	8.3	0.0	0.5	89.3	0.0	13.3	24.1	135.5
1999	8.6	0.0	0.5	89.7	0.0	13.3	19.2	131.4
2000	9.5	0.0	0.5	104.2	1.4	14.0	6.3	135.9
2001	8.0	0.0	0.5	87.6	3.5	17.8	11.6	129.0
2002	5.3	0.0	0.6	87.6	4.7	16.6	14.0	128.7
2003	11.4	0.0	0.5	101.1	7.7	17.1	6.8	144.6
2004	12.4	0.0	0.5	81.7	8.2	17.6	15.0	135.4
2005	13.0	0.0	0.5	83.8	13.7	27.1	11.8	149.8
2006	8.5	0.0	0.5	105.6	19.2	23.8	2.2	159.8
2007	5.3	0.0	0.5	98.3	27.3	26.0	12.1	169.5
2008	5.4	0.0	0.6	98.0	39.1	28.4	22.4	194.0
2009	9.6	0.0	0.6	107.2	43.4	34.9	22.9	218.7
2010	9.8	0.0	0.8	94.0	39.5 R	38.5	24.4	207.1 R
2011	10.1	0.0	0.7	98.1	46.2 R	33.6	23.3	211.9 R
2012	9.2	0.0	1.0	112.3	43.9 R	28.7	19.2	214.3 R
2013	9.1	(s)	1.2	87.4	50.9 R	36.3	22.8	207.7 R
2014	8.2	(s)	1.1	97.0	56.5 R	37.5	18.9	219.3 R
2015	3.2	(s)	0.9	109.2	54.5 R	24.5	26.4	218.6 R
2016	5.1	(s)	0.7	98.6	58.6 R	22.6	24.3	210.0 R
2017	5.3	(s)	0.7	86.9	60.6 R	23.4 R	32.4	209.2 R
2018	5.7	(s)	0.5	111.4	66.0 R	28.1 R	36.7	248.4 R
2019	4.2	(s)	0.5	96.0	62.6	28.0	49.1	240.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Montana, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	313	33,418	30,240	NA	NA
1961	371	33,901	30,906	NA	NA
1962	382	29,955	31,648	NA	NA
1963	343	30,026	30,870	NA	NA
1964	346	25,188	30,647	NA	NA
1965	364	28,105	32,778	NA	NA
1966	419	30,685	35,380	NA	NA
1967	371	25,866	34,959	NA	NA
1968	519	19,313	48,460	NA	NA
1969	1,030	41,229	43,954	NA	NA
1970	3,447	42,705	37,879	NA	NA
1971	7,064	32,720	34,599	NA	NA
1972	8,221	33,474	33,904	NA	NA
1973	10,725	56,175	34,620	NA	NA
1974	14,106	54,873	34,554	NA	NA
1975	22,054	40,734	32,844	NA	NA
1976	26,231	42,563	32,814	NA	NA
1977	27,226	46,819	32,680	NA	NA
1978	26,600	46,522	30,467	NA	NA
1979	32,676	53,888	29,957	NA	NA
1980	29,872	51,867	29,584	NA	NA
1981	33,561	56,565	30,813	5	NA
1982	27,890	56,517	30,921	16	NA
1983	28,930	51,967	29,225	31	NA
1984	33,000	51,474	29,761	37	NA
1985	33,290	52,494	29,768	40	NA
1986	33,978	46,592	27,072	42	NA
1987	34,399	46,456	25,059	46	NA
1988	38,881	51,654	23,338	47	NA
1989	37,742	51,307	20,956	44	NA
1990	37,616	50,429	19,810	37	NA
1991	38,237	51,999	19,579	43	NA
1992	38,889	53,867	18,482	39	NA
1993	35,917	54,528	17,448	0	NA
1994	41,640	50,416	16,528	41	NA
1995	39,451	50,264	16,530	34	NA
1996	37,891	50,996	15,919	12	NA
1997	41,005	52,437	15,526	19	NA
1998	42,840	57,645	16,483	19	NA
1999	41,102	61,163	14,937	14	NA
2000	38,352	69,936	15,428	13	NA
2001	39,143	81,397	15,920	11	0
2002	37,386	86,075	16,990	10	0
2003	36,994	86,027	19,420	6	0
2004	39,989	96,762	24,718	0	0
2005	40,354	107,918	32,787	0	0
2006	41,823	112,845	36,294	0	0
2007	43,390	116,848	34,907	0	0
2008	44,786	112,529	31,596	0	1
2009	39,486	98,245	27,835	0	(s)
2010	44,732	87,539	25,332	0	0
2011	42,008	74,624	24,155	0	0
2012	36,694	66,954	26,494	0	0
2013	42,231	63,242	29,288	0	0
2014	44,562	59,160	29,896	0	0
2015	41,864	51,356	28,556	0	0
2016	32,336	47,921	23,178	0	1
2017	35,232	46,311	20,717	0	(s)
2018	38,610	43,530 R	21,551 R	0	(s)
2019	34,468	43,263	22,967	0	(s)

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Montana, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	5.6	38.7	175.4	0.0	NA	7.5	62.4	289.6
1961	6.6	39.2 R	179.3	0.0	NA	7.3	69.2	301.7
1962	6.8	34.7	183.6	0.0	NA	7.2	67.7	299.9 R
1963	6.1	34.7 R	179.0	0.0	NA	7.4	63.0	290.3 R
1964	6.2	29.1 R	177.8	0.0	NA	8.0	71.4	292.4 R
1965	6.5	32.5 R	190.1	0.0	NA	7.8	87.7	324.6 R
1966	7.5	35.5 R	205.2	0.0	NA	7.6	82.7	338.5 R
1967	6.6	29.9 R	202.8	0.0	NA	7.4	90.8	337.5
1968	9.3	22.3 R	281.1	0.0	NA	7.8	92.8	413.3 R
1969	18.4	47.7 R	254.9	0.0	NA	7.4	98.7	427.2 R
1970	61.5	49.4 R	219.7	0.0	NA	6.6	91.8	429.0 R
1971	126.1	35.2	200.7	0.0	NA	6.7	100.5	469.2
1972	146.7	36.1 R	196.6	0.0	NA	6.3	98.0	483.9
1973	192.0	59.7	200.8	0.0	NA	6.5	78.1	537.1
1974	256.1	57.7	200.4	0.0	NA	5.0	101.5	620.8
1975	397.1	43.1	190.5	0.0	NA	6.2	105.8	742.7
1976	471.4	44.5	190.3	0.0	NA	7.2	128.6	842.1
1977	487.9	48.3 R	189.5	0.0	NA	9.1	88.3	823.1
1978	476.4	47.4	176.7	0.0	NA	10.9	121.3	832.7
1979	585.8	55.0	173.8	0.0	NA	12.3	107.1	934.0
1980	535.6	54.5	171.6	0.0	NA	11.1	103.5	876.2
1981	605.8	59.0	178.7	0.0	(s)	12.6	118.4	974.5
1982	499.8	59.1	179.3	0.0	0.1	12.4	114.2	864.9
1983	524.3	54.5	169.5	0.0	0.2	13.9	121.6	883.9
1984	591.9	53.8	172.6	0.0	0.2	14.3	116.0	948.8
1985	597.8	54.8	172.7	0.0	0.3	14.4	106.3	946.3
1986	610.0	48.6	157.0	0.0	0.3	20.2	113.4	949.5
1987	617.6	49.3	145.3	0.0	0.3	17.9	93.0	923.4
1988	694.0	54.8	135.4	0.0	0.3	18.6	85.0	988.1
1989	677.8	54.2	121.5	0.0	0.3	10.7	100.0	964.5
1990	678.3	53.8	114.9	0.0	0.2	11.7	111.6	970.5
1991	688.5	55.3	113.6	0.0	0.3	17.1	125.0	999.7
1992	704.0	56.7	107.2	0.0	0.2	10.0	85.7	963.8
1993	649.3	56.8	101.2	0.0	0.0	9.7	99.2	916.2
1994	752.6	52.7	95.9	0.0	0.2	10.1	84.2	995.6
1995	713.0	52.8	95.9	0.0	0.2	16.4	110.9	989.2
1996	689.2	53.4	92.3	0.0	0.1	15.7	142.8	993.5
1997	740.1	54.7	90.1	0.0	0.1	16.2	137.0	1,038.1
1998	773.0	59.8	95.6	0.0	0.1	14.7	113.5	1,056.7
1999	741.9	63.3	86.6	0.0	0.1	15.3	141.6	1,048.9
2000	696.9	72.0	89.5	0.0	0.1	15.3	98.5	972.2
2001	708.2	83.9	92.3	0.0	0.1	11.9	68.6	965.0
2002	676.1	88.8	98.5	0.0	0.1	11.0	97.6	972.0
2003	665.9	89.0	112.6	0.0	(s)	12.0	88.4	967.9
2004	721.6	100.3	143.4	0.0	0.0	12.5	89.0	1,066.7
2005	726.8	114.0	190.2	0.0	0.0	17.8	96.2	1,145.0
2006	755.0	116.9	210.5	0.0	0.0	17.1	105.1	1,204.6
2007	778.1	121.2	202.5	0.0	0.0	20.0	97.8	1,219.5
2008	794.2	116.7	183.3	0.0	(s)	18.5	104.7	1,217.3
2009	703.7	101.9	161.4	0.0	(s)	12.7	101.1	1,080.9
2010	797.0	90.6	146.9	0.0	0.0	13.5	101.2	1,149.4
2011	746.7	77.7	140.1	0.0	0.0	5.3	135.1	1,104.8
2012	660.1	70.8	153.7	0.0	0.0	4.6	119.8	1,009.0
2013	753.2	67.9	169.9	0.0	0.0	5.3	109.2	1,105.5
2014	790.7	63.2	173.4	0.0	0.0	5.7	128.4	1,161.4
2015	746.2	55.9	163.3	0.0	0.0	14.1	110.9	1,090.4
2016	572.8	52.1	132.6	0.0	(s)	14.8 R	113.3	885.6
2017	624.8	50.8	118.6	0.0	(s)	14.9 R	121.3	930.4 R
2018	684.0	47.7	123.0 R	0.0	(s)	18.7 R	124.3	997.7 R
2019	608.9	47.7	130.9	0.0	(s)	18.1	111.1	916.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Nebraska, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	15,258	23,825	NA	NA
1961	0	15,743	24,369	NA	NA
1962	0	14,880	24,894	NA	NA
1963	0	13,051	21,846	NA	NA
1964	0	11,155	19,113	NA	NA
1965	0	10,720	17,216	NA	NA
1966	0	10,196	13,850	NA	NA
1967	0	8,453	13,373	NA	NA
1968	0	8,129	13,183	NA	NA
1969	0	6,989	12,106	NA	NA
1970	0	5,991	11,451	NA	NA
1971	0	3,496	10,062	NA	NA
1972	0	3,478	8,705	NA	NA
1973	0	3,836	7,240	NA	NA
1974	0	2,538	6,611	NA	NA
1975	0	2,565	6,120	NA	NA
1976	0	2,511	6,182	NA	NA
1977	0	2,789	5,968	NA	NA
1978	0	2,882	5,862	NA	NA
1979	0	3,208	6,068	NA	NA
1980	0	2,550	6,240	NA	NA
1981	0	2,519	6,671	0	NA
1982	0	2,280	6,872	0	NA
1983	0	2,091	6,380	0	NA
1984	0	2,300	6,452	0	NA
1985	0	1,944	6,943	202	NA
1986	0	1,403	7,098	250	NA
1987	0	1,261	6,091	276	NA
1988	0	910	5,978	280	NA
1989	0	878	6,230	287	NA
1990	0	793	5,889	304	NA
1991	0	784	5,832	311	NA
1992	0	1,177	5,474	549	NA
1993	0	2,114	4,868	1,229	NA
1994	0	2,898	4,216	1,880	NA
1995	0	2,240	3,793	4,551	NA
1996	0	1,876	3,541	4,718	NA
1997	0	1,670	3,337	6,376	NA
1998	0	1,695	3,174	6,822	NA
1999	0	1,395	2,663	7,268	NA
2000	0	1,218	2,957	7,647	NA
2001	0	1,208	2,922	8,377	0
2002	0	1,188	2,782	8,395	0
2003	0	1,454	2,753	9,107	0
2004	0	1,476	2,506	12,263	0
2005	0	1,172	2,408	12,929	0
2006	0	1,200	2,313	14,381	2
2007	0	1,555	2,335	19,905	33
2008	0	3,082	2,394	28,081	52
2009	0	2,908	2,239	28,038	36
2010	0	2,231	2,331	44,111 R	0
2011	0	1,959	2,544	46,402 R	0
2012	0	1,328	3,025	42,693 R	0
2013	0	1,032	2,808	42,754 R	0
2014	0	417	3,050	46,343 R	0
2015	0	477	2,910	46,646 R	23
2016	0	526	2,288	48,878 R	638 R
2017	0	455	2,125	49,765 R	1,159
2018	0	433	2,056	49,723 R	1,089
2019	0	384	1,910	50,117	581

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Nebraska, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	17.7	138.2	0.0	NA	3.1	10.3	169.3
1961	0.0	18.2 R	141.3	0.0	NA	2.9	9.9	172.4 R
1962	0.0	17.2 R	144.4	0.0	NA	2.7	10.3	174.6
1963	0.0	15.1 R	126.7	0.9	NA	2.6	10.6	155.9 R
1964	0.0	12.9 R	110.9	1.1	NA	2.3	10.5	137.7
1965	0.0	12.4 R	99.9	(s)	NA	1.9	11.7	125.8
1966	0.0	11.8	80.3	0.0	NA	1.8	12.1	106.1
1967	0.0	9.8	77.6	0.0	NA	1.7	12.1	101.2 R
1968	0.0	9.4	76.5	0.0	NA	1.7	13.0	100.6
1969	0.0	8.1	70.2	0.0	NA	1.6	12.9	92.8 R
1970	0.0	6.9 R	66.4	0.0	NA	1.6	14.4	89.3
1971	0.0	4.6	58.4	0.0	NA	1.6	14.2	78.8
1972	0.0	4.5	50.5	0.0	NA	2.6	14.2	71.8
1973	0.0	4.7	42.0	6.5	NA	2.7	14.2	70.1
1974	0.0	3.3	38.3	44.6	NA	2.7	13.5	102.4
1975	0.0	3.1	35.5	65.2	NA	2.8	12.6	119.1
1976	0.0	2.9	35.9	64.3	NA	3.1	13.2	119.5
1977	0.0	3.2	34.6	80.2	NA	3.4	12.7	134.2
1978	0.0	3.1	34.0	84.5	NA	3.8	12.3	137.8
1979	0.0	3.4	35.2	94.2	NA	3.9	12.9	149.7
1980	0.0	2.7	36.2	63.1	NA	5.9	13.9	121.8
1981	0.0	2.7	38.7	66.0	0.0	5.3	12.5	125.3
1982	0.0	2.5	39.9	96.9	0.0	6.3	12.7	158.2
1983	0.0	2.3	37.0	66.3	0.0	5.9	14.2	125.6
1984	0.0	2.5	37.4	62.7	0.0	7.2	14.0	123.8
1985	0.0	2.1	40.3	43.9	1.3	7.4	15.1	110.0
1986	0.0	1.5	41.2	81.0	1.6	6.8	17.5	149.6
1987	0.0	1.4	35.3	89.7	1.7	5.7	16.3	150.1
1988	0.0	1.0	34.7	72.4	1.8	6.1	13.9	129.8
1989	0.0	0.9	36.1	85.5	1.8	6.4	12.1	142.9
1990	0.0	0.8	34.2	79.5	1.9	4.5	11.9	132.7
1991	0.0	0.8	33.8	84.4	1.9	4.7	11.0	136.6
1992	0.0	1.2	31.7	91.6	3.4	5.0	11.3	144.1
1993	0.0	2.1	28.2	71.5	7.6	4.3	10.5	124.1
1994	0.0	2.9	24.5	66.3	11.5	4.1	13.7	123.0
1995	0.0	2.2	22.0	78.7	27.8	4.2	14.9	149.8
1996	0.0	1.9	20.5	99.3	28.8	7.8	16.8	175.1
1997	0.0	1.7	19.4	97.3	38.7	6.3	17.3	180.7
1998	0.0	1.7	18.4	86.6	41.3	5.8	17.5	171.3
1999	0.0	1.4	15.4	105.5	43.9	5.9	17.9	190.1
2000	0.0	1.2	17.2	90.0	46.2	5.7	15.6	175.8
2001	0.0	1.2	16.9	91.1	50.5	7.6	12.0	179.5
2002	0.0	1.2	16.1	105.7	50.5	8.2	11.6	193.4
2003	0.0	1.5	16.0	83.3	54.5	8.6	10.8	174.7
2004	0.0	1.5	14.5	106.8	72.9	8.6	10.1	214.4
2005	0.0	1.2	14.0	91.9	76.4	8.0	10.4	201.8
2006	0.0	1.2	13.4	93.9	84.5	6.4	12.2	211.6
2007	0.0	1.6	13.5	115.8	116.4	7.1	6.4	260.9
2008	0.0	3.1	13.9	99.1	163.3	7.4	6.4	293.1
2009	0.0	2.9	13.0	98.7	162.0	7.8	9.0	293.5
2010	0.0	2.2	13.5	115.5	254.0 R	8.3	18.1	411.7 R
2011	0.0	2.0	14.8	72.5	266.4 R	4.3	27.1	387.1 R
2012	0.0	1.4	17.5	60.8	244.3 R	3.7	25.4	353.1 R
2013	0.0	1.1	16.3	71.7	243.8 R	4.6	29.2	366.7 R
2014	0.0	0.4	17.7	105.7	263.5 R	4.6	38.3	430.2 R
2015	0.0	0.5	16.6	108.0	264.5 R	4.2	46.6	440.4 R
2016	0.0	0.6	13.1	97.8	279.5 R	4.5	44.3	439.7 R
2017	0.0	0.5	12.2	72.3	286.7 R	3.9	62.0	437.5 R
2018	0.0	0.5	11.7	58.9	285.8 R	5.2	64.7	426.7 R
2019	0.0	0.4	10.9	72.6	283.9	5.5	77.8	451.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Nevada, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	27	NA	NA
1961	0	0	154	NA	NA
1962	0	0	141	NA	NA
1963	0	0	118	NA	NA
1964	0	0	255	NA	NA
1965	0	0	209	NA	NA
1966	0	0	307	NA	NA
1967	0	0	279	NA	NA
1968	0	0	271	NA	NA
1969	0	0	223	NA	NA
1970	0	0	149	NA	NA
1971	0	0	113	NA	NA
1972	0	0	100	NA	NA
1973	0	0	96	NA	NA
1974	0	0	129	NA	NA
1975	0	0	115	NA	NA
1976	0	0	143	NA	NA
1977	0	0	661	NA	NA
1978	0	0	1,156	NA	NA
1979	0	0	1,235	NA	NA
1980	0	0	880	NA	NA
1981	0	0	700	0	NA
1982	0	0	613	0	NA
1983	0	0	810	0	NA
1984	0	0	1,907	0	NA
1985	0	0	3,039	0	NA
1986	0	0	2,907	0	NA
1987	0	0	3,112	0	NA
1988	0	0	3,230	0	NA
1989	0	0	3,216	0	NA
1990	0	0	4,011	0	NA
1991	0	53	3,413	0	NA
1992	0	30	3,721	0	NA
1993	0	21	1,880	0	NA
1994	0	16	1,698	0	NA
1995	0	13	1,342	0	NA
1996	0	11	1,058	0	NA
1997	0	9	980	0	NA
1998	0	9	799	0	NA
1999	0	8	706	0	NA
2000	0	7	621	0	NA
2001	0	7	572	0	0
2002	0	6	553	0	0
2003	0	6	493	0	0
2004	0	5	463	0	0
2005	0	5	447	0	1
2006	0	5	426	0	7
2007	0	5	408	0	7
2008	0	4	436	0	5
2009	0	4	438	0	3
2010	0	4	426	0	3
2011	0	3	408	0	8
2012	0	4	368	0	6
2013	0	3	334	0	8
2014	0	3	316	0	8
2015	0	4	281	0	0
2016	0	3	277	0	0
2017	0	3	286	0	0
2018	0	3	255	0	0
2019	0	2	267	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Nevada, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.2	0.0	NA	0.9	21.2	22.3
1961	0.0	0.0	0.9	0.0	NA	0.9	18.6	20.4
1962	0.0	0.0	0.8	0.0	NA	0.9	20.8	22.6
1963	0.0	0.0	0.7	0.0	NA	0.9	18.9	20.5
1964	0.0	0.0	1.5	0.0	NA	0.9	16.9	19.3
1965	0.0	0.0	1.2	0.0	NA	0.9	16.7	18.8
1966	0.0	0.0	1.8	0.0	NA	0.9	18.8	21.4
1967	0.0	0.0	1.6	0.0	NA	0.9	18.1	20.6
1968	0.0	0.0	1.6	0.0	NA	0.9	18.2	20.7
1969	0.0	0.0	1.3	0.0	NA	1.0	17.8	20.1
1970	0.0	0.0	0.9	0.0	NA	1.1	17.3	19.2
1971	0.0	0.0	0.7	0.0	NA	1.1	17.6	19.3
1972	0.0	0.0	0.6	0.0	NA	1.1	16.2	17.9
1973	0.0	0.0	0.6	0.0	NA	1.0	17.3	18.9
1974	0.0	0.0	0.7	0.0	NA	1.1	16.7	18.5
1975	0.0	0.0	0.7	0.0	NA	1.2	17.6	19.5
1976	0.0	0.0	0.8	0.0	NA	1.3	16.1	18.3
1977	0.0	0.0	3.8	0.0	NA	1.5	16.9	22.2
1978	0.0	0.0	6.7	0.0	NA	1.7	17.3	25.7
1979	0.0	0.0	7.2	0.0	NA	2.0	17.8	27.0
1980	0.0	0.0	5.1	0.0	NA	2.8	24.6	32.5
1981	0.0	0.0	4.1	0.0	0.0	3.7	18.1	25.9
1982	0.0	0.0	3.6	0.0	0.0	3.9	14.9	22.3
1983	0.0	0.0	4.7	0.0	0.0	4.1	43.1	51.9
1984	0.0	0.0	11.1	0.0	0.0	4.5	58.6	74.1
1985	0.0	0.0	17.6	0.0	0.0	4.6	45.4	67.6
1986	0.0	0.0	16.9	0.0	0.0	4.2	47.9	69.0
1987	0.0	0.0	18.1	0.0	0.0	2.2	26.3	46.5
1988	0.0	0.0	18.7	0.0	0.0	2.3	21.6	42.7
1989	0.0	0.0	18.7	0.0	0.0	2.5	27.8	48.9
1990	0.0	0.0	23.3	0.0	0.0	2.9	26.8	52.9
1991	0.0	0.1	19.8	0.0	0.0	3.0	36.0	58.8
1992	0.0	(s)	21.6	0.0	0.0	3.1	33.7	58.4
1993	0.0	(s)	10.9	0.0	0.0	3.4	37.2	51.5
1994	0.0	(s)	9.8	0.0	0.0	3.2	35.9	49.0
1995	0.0	(s)	7.8	0.0	0.0	3.2	37.1	48.1
1996	0.0	(s)	6.1	0.0	0.0	3.6	39.6	49.3
1997	0.0	(s)	5.7	0.0	0.0	4.5	43.8	54.0
1998	0.0	(s)	4.6	0.0	0.0	4.0	49.2	57.8
1999	0.0	(s)	4.1	0.0	0.0	4.1	44.9	53.1
2000	0.0	(s)	3.6	0.0	0.0	4.4	40.4	48.3
2001	0.0	(s)	3.3	0.0	0.0	3.3	40.1	46.7
2002	0.0	(s)	3.2	0.0	0.0	3.1	36.3	42.6
2003	0.0	(s)	2.9	0.0	0.0	3.3	30.3	36.4
2004	0.0	(s)	2.7	0.0	0.0	3.4	31.0	37.0
2005	0.0	(s)	2.6	0.0	(s)	2.8	31.6	37.1
2006	0.0	(s)	2.5	0.0	(s)	2.5	35.8	40.8
2007	0.0	(s)	2.4	0.0	(s)	2.7	35.0	40.1
2008	0.0	(s)	2.5	0.0	(s)	3.0	34.9	40.4
2009	0.0	(s)	2.5	0.0	(s)	2.5	44.2	49.3
2010	0.0	(s)	2.5	0.0	(s)	2.9	46.1	51.4
2011	0.0	(s)	2.4	0.0	(s)	2.3	48.0	52.6
2012	0.0	(s)	2.1	0.0	(s)	2.1	54.4	58.7
2013	0.0	(s)	1.9	0.0	(s)	2.7	63.8	68.5
2014	0.0	(s)	1.8	0.0	(s)	2.8	64.7	69.4
2015	0.0	(s)	1.6	0.0	0.0	2.6	72.7	77.0
2016	0.0	(s)	1.6	0.0	0.0	3.1	85.5	90.2
2017	0.0	(s)	1.6	0.0	0.0	3.2	95.0	99.8
2018	0.0	(s)	1.5	0.0	0.0	4.1	101.6	107.1
2019	0.0	(s)	1.5	0.0	0.0	4.1	109.2	114.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, New Hampshire, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	0	0	0	0
2010	0	0	0	0	0
2011	0	0	0	0	0
2012	0	0	0	0	27
2013	0	0	0	0	38
2014	0	0	0	0	34
2015	0	0	0	0	48
2016	0	0	0	0	73
2017	0	0	0	0	45
2018	0	0	0	0	51
2019	0	0	0	0	57

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, New Hampshire, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	10.9	14.8	25.6
1961	0.0	0.0	0.0	0.0	NA	10.7	12.7	23.3
1962	0.0	0.0	0.0	0.0	NA	10.8	14.3	25.1
1963	0.0	0.0	0.0	0.0	NA	10.9	13.5	24.5
1964	0.0	0.0	0.0	0.0	NA	11.7	12.1	23.7
1965	0.0	0.0	0.0	0.0	NA	11.0	11.0	22.0
1966	0.0	0.0	0.0	0.0	NA	11.6	12.8	24.3
1967	0.0	0.0	0.0	0.0	NA	11.5	12.5	24.1
1968	0.0	0.0	0.0	0.0	NA	12.6	12.5	25.2
1969	0.0	0.0	0.0	0.0	NA	12.8	15.0	27.8
1970	0.0	0.0	0.0	0.0	NA	12.3	13.0	25.3
1971	0.0	0.0	0.0	0.0	NA	13.3	11.5	24.7
1972	0.0	0.0	0.0	0.0	NA	13.0	13.2	26.1
1973	0.0	0.0	0.0	0.0	NA	13.9	16.8	30.7
1974	0.0	0.0	0.0	0.0	NA	13.4	15.3	28.7
1975	0.0	0.0	0.0	0.0	NA	12.8	13.0	25.9
1976	0.0	0.0	0.0	0.0	NA	15.3	15.7	31.1
1977	0.0	0.0	0.0	0.0	NA	16.6	14.7	31.3
1978	0.0	0.0	0.0	0.0	NA	19.3	11.7	31.0
1979	0.0	0.0	0.0	0.0	NA	21.0	12.5	33.5
1980	0.0	0.0	0.0	0.0	NA	21.7	10.7	32.4
1981	0.0	0.0	0.0	0.0	0.0	21.8	14.2	36.1
1982	0.0	0.0	0.0	0.0	0.0	20.7	13.1	33.8
1983	0.0	0.0	0.0	0.0	0.0	24.0	14.2	38.2
1984	0.0	0.0	0.0	0.0	0.0	21.9	13.1	35.0
1985	0.0	0.0	0.0	0.0	0.0	22.0	11.8	33.8
1986	0.0	0.0	0.0	0.0	0.0	25.6	13.2	38.7
1987	0.0	0.0	0.0	0.0	0.0	24.0	11.0	35.0
1988	0.0	0.0	0.0	0.0	0.0	25.0	11.6	36.5
1989	0.0	0.0	0.0	0.0	0.0	26.6	14.0	40.6
1990	0.0	0.0	0.0	43.2	0.0	27.2	19.6	90.0
1991	0.0	0.0	0.0	71.2	0.0	24.3	16.6	112.1
1992	0.0	0.0	0.0	82.4	0.0	27.8	14.4	124.6
1993	0.0	0.0	0.0	95.0	0.0	27.9	14.6	137.5
1994	0.0	0.0	0.0	64.8	0.0	25.3	15.1	105.2
1995	0.0	0.0	0.0	88.0	0.0	25.3	14.2	127.5
1996	0.0	0.0	0.0	103.4	0.0	27.7	19.9	151.0
1997	0.0	0.0	0.0	83.7	0.0	25.7	16.6	126.0
1998	0.0	0.0	0.0	88.0	0.0	24.3	16.3	128.6
1999	0.0	0.0	0.0	90.7	0.0	24.4	14.5	129.6
2000	0.0	0.0	0.0	82.6	0.0	24.0	14.6	121.2
2001	0.0	0.0	0.0	90.8	0.0	19.9	10.3	121.0
2002	0.0	0.0	0.0	97.1	0.0	17.3	11.6	126.0
2003	0.0	0.0	0.0	96.7	0.0	16.3	13.5	126.5
2004	0.0	0.0	0.0	106.1	0.0	21.7	13.2	141.1
2005	0.0	0.0	0.0	98.7	0.0	23.3	18.0	140.0
2006	0.0	0.0	0.0	98.1	0.0	17.9	15.2	131.2
2007	0.0	0.0	0.0	112.9	0.0	22.2	12.6	147.7
2008	0.0	0.0	0.0	97.7	0.0	23.6	16.3	137.6
2009	0.0	0.0	0.0	92.2	0.0	28.3	17.1	137.6
2010	0.0	0.0	0.0	114.0	0.0	29.9	15.3	159.2
2011	0.0	0.0	0.0	87.5	0.0	29.8	16.4	133.6
2012	0.0	0.0	0.0	85.8	0.1	30.5	14.0	130.4
2013	0.0	0.0	0.0	114.2	0.2	35.2	17.5	167.1
2014	0.0	0.0	0.0	106.4	0.2	38.1	17.3	161.9
2015	0.0	0.0	0.0	99.2	0.3	45.0	16.1	160.5
2016	0.0	0.0	0.0	112.6	0.4	40.7	15.1	168.8
2017	0.0	0.0	0.0	104.5	0.2	41.9 R	17.7	164.4 R
2018	0.0	0.0	0.0	105.2	0.3	38.7 R	17.1	161.3 R
2019	0.0	0.0	0.0	113.9	0.3	37.5	18.1	169.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, New Jersey, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	27
2005	0	0	0	0	58
2006	0	0	0	0	66
2007	0	0	0	0	67
2008	0	0	0	0	49
2009	0	0	0	0	0
2010	0	0	0	0	0
2011	0	0	0	0	0
2012	0	0	0	0	0
2013	0	0	0	0	0
2014	0	0	0	0	0
2015	0	0	0	0	219
2016	0	0	0	0	229
2017	0	0	0	0	35
2018	0	0	0	0	0
2019	0	0	0	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, New Jersey, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	20.0	0.5	20.5
1961	0.0	0.0	0.0	0.0	NA	20.6	0.2	20.7
1962	0.0	0.0	0.0	0.0	NA	21.0	0.2	21.2
1963	0.0	0.0	0.0	0.0	NA	23.2	0.2	23.4
1964	0.0	0.0	0.0	0.0	NA	23.7	0.2	23.9
1965	0.0	0.0	0.0	0.0	NA	24.0	(s)	23.7
1966	0.0	0.0	0.0	0.0	NA	24.9	(s)	23.6
1967	0.0	0.0	0.0	0.0	NA	25.8	(s)	23.7
1968	0.0	0.0	0.0	0.0	NA	28.2	(s)	24.7
1969	0.0	0.0	0.0	1.2	NA	29.3	(s)	26.5
1970	0.0	0.0	0.0	37.9	NA	30.1	(s)	63.8
1971	0.0	0.0	0.0	41.5	NA	29.9	(s)	68.1
1972	0.0	0.0	0.0	47.0	NA	31.8	(s)	76.6
1973	0.0	0.0	0.0	39.1	NA	33.7	(s)	69.4
1974	0.0	0.0	0.0	41.0	NA	36.0	(s)	74.1
1975	0.0	0.0	0.0	34.6	NA	33.8	(s)	65.6
1976	0.0	0.0	0.0	42.6	NA	37.6	(s)	77.7
1977	0.0	0.0	0.0	74.9	NA	40.3	(s)	113.5
1978	0.0	0.0	0.0	89.4	NA	43.5	(s)	131.0
1979	0.0	0.0	0.0	71.9	NA	46.0	(s)	115.0
1980	0.0	0.0	0.0	83.2	NA	51.3	(s)	131.6
1981	0.0	0.0	0.0	128.8	0.0	56.8	(s)	183.2
1982	0.0	0.0	0.0	155.5	0.0	51.5	(s)	204.7
1983	0.0	0.0	0.0	69.0	0.0	62.7	(s)	129.3
1984	0.0	0.0	0.0	60.8	0.0	51.4	(s)	109.6
1985	0.0	0.0	0.0	188.8	0.0	52.2	(s)	238.4
1986	0.0	0.0	0.0	156.3	0.0	44.5	(s)	197.8
1987	0.0	0.0	0.0	237.0	0.0	41.8	(s)	275.6
1988	0.0	0.0	0.0	253.3	0.0	44.1	(s)	295.1
1989	0.0	0.0	0.0	243.7	0.0	37.0	(s)	278.6
1990	0.0	0.0	0.0	251.5	0.0	25.4	0.8	277.7
1991	0.0	0.0	0.0	260.1	0.0	35.3	0.7	296.1
1992	0.0	0.0	0.0	226.1	0.0	37.9	0.7	264.7
1993	0.0	0.0	0.0	261.9	0.0	36.3	0.7	298.9
1994	0.0	0.0	0.0	231.3	0.0	40.7	0.7	272.8
1995	0.0	0.0	0.0	176.6	0.0	42.5	0.7	219.8
1996	0.0	0.0	0.0	115.8	0.0	40.4	0.9	157.1
1997	0.0	0.0	0.0	146.0	0.0	38.5	0.9	185.3
1998	0.0	0.0	0.0	284.6	0.0	37.9	0.9	323.5
1999	0.0	0.0	0.0	302.7	0.0	39.0	0.9	342.6
2000	0.0	0.0	0.0	298.0	0.0	39.4	0.9	338.4
2001	0.0	0.0	0.0	318.2	0.0	28.1	1.0	347.3
2002	0.0	0.0	0.0	322.3	0.0	27.5	1.2	351.0
2003	0.0	0.0	0.0	309.6	0.0	25.0	1.8	336.3
2004	0.0	0.0	0.0	282.4	0.1	25.1	2.0	309.7
2005	0.0	0.0	0.0	327.6	0.3	17.5	2.1	347.6
2006	0.0	0.0	0.0	339.8	0.4	19.1	2.7	362.0
2007	0.0	0.0	0.0	335.8	0.4	17.5	2.9	356.5
2008	0.0	0.0	0.0	336.5	0.3	19.8	3.4	359.9
2009	0.0	0.0	0.0	359.0	0.0	29.6	4.3	392.9
2010	0.0	0.0	0.0	342.5	0.0	31.6	5.7	379.8
2011	0.0	0.0	0.0	351.7	0.0	30.2	8.6	390.5
2012	0.0	0.0	0.0	347.0	0.0	28.8	14.8	390.6
2013	0.0	0.0	0.0	348.8	0.0	32.1	17.5	398.3
2014	0.0	0.0	0.0	329.5	0.0	33.6	20.5	383.6
2015	0.0	0.0	0.0	347.9	1.2	22.3	21.7	393.1
2016	0.0	0.0	0.0	312.6	1.2	22.3	23.0	359.1
2017	0.0	0.0	0.0	355.9	0.2	19.0 R	26.4	401.5 R
2018	0.0	0.0	0.0	334.4	0.0	19.3 R	29.2	382.9 R
2019	0.0	0.0	0.0	278.1	0.0	16.8	32.6	327.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, New Mexico, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	295	798,928	107,380	NA	NA
1961	412	789,662	112,553	NA	NA
1962	677	804,612	109,328	NA	NA
1963	1,945	808,377	109,941	NA	NA
1964	2,969	878,720	113,863	NA	NA
1965	3,212	937,205	119,166	NA	NA
1966	2,755	998,076	124,154	NA	NA
1967	3,463	1,067,510	126,144	NA	NA
1968	3,429	1,164,182	128,550	NA	NA
1969	4,471	1,138,133	129,227	NA	NA
1970	7,361	1,138,980	128,184	NA	NA
1971	8,175	1,167,577	118,412	NA	NA
1972	8,248	1,216,061	110,525	NA	NA
1973	9,069	1,218,749	100,986	NA	NA
1974	9,392	1,244,779	98,695	NA	NA
1975	8,785	1,217,430	95,063	NA	NA
1976	9,760	1,230,976	92,130	NA	NA
1977	11,083	1,202,973	87,223	NA	NA
1978	12,632	1,174,198	83,365	NA	NA
1979	15,615	1,181,363	79,649	NA	NA
1980	18,425	1,148,086	75,324	NA	NA
1981	18,709	1,132,066	71,568	34	NA
1982	19,944	991,178	71,024	115	NA
1983	20,415	895,279	75,169	217	NA
1984	21,279	957,366	79,336	260	NA
1985	22,203	905,272	78,530	280	NA
1986	21,496	702,614	75,712	297	NA
1987	19,131	823,773	72,328	325	NA
1988	21,803	791,819	71,235	328	NA
1989	23,702	854,615	68,714	310	NA
1990	24,292	965,104	67,250	260	NA
1991	21,518	1,038,284	70,417	306	NA
1992	24,549	1,268,863	69,972	273	NA
1993	28,268	1,409,429	68,422	298	NA
1994	28,041	1,557,689	65,846	281	NA
1995	26,813	1,625,837	64,508	266	NA
1996	24,067	1,554,087	64,479	107	NA
1997	27,025	1,558,633	69,834	186	NA
1998	28,597	1,501,098	72,328	216	NA
1999	29,156	1,511,671	64,376	196	NA
2000	27,323	1,695,295	67,198	232	NA
2001	29,618	1,689,125	68,001	249	0
2002	28,916	1,632,080	67,562	334	0
2003	26,389	1,604,015	66,589	387	0
2004	27,250	1,632,539	64,517	347	0
2005	28,519	1,645,166	60,963	472	0
2006	25,913	1,609,223	59,452	672	3
2007	24,451	1,517,922	59,179	719	5
2008	25,645	1,446,204	60,155	528	4
2009	25,124	1,383,004	61,178	654	(s)
2010	20,991	1,292,185	65,569	598 R	0
2011	21,922	1,237,303	71,518 R	552 R	0
2012	22,452	1,215,773	85,551	484 R	0
2013	21,969	1,171,640	102,789	608	0
2014	21,963	1,229,520	125,061	545 R	0
2015	19,679	1,245,145	148,095 R	0	0
2016	13,341	1,229,647	146,634 R	0	0
2017	13,844	1,299,732	172,154 R	0	0
2018	10,792	1,493,081 R	248,879 R	0	0
2019	14,536	1,787,334	329,483	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, New Mexico, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	5.5	923.2 R	622.8	0.0	NA	6.6	0.7	1,558.9 R
1961	7.7	912.5 R	652.8	0.0	NA	6.4	0.6	1,580.0 R
1962	12.7	929.8 R	634.1	0.0	NA	6.1	0.7	1,583.3 R
1963	36.4	934.1 R	637.7	0.0	NA	6.0	0.5	1,614.6 R
1964	55.5	1,015.4 R	660.4	0.0	NA	6.2	0.1	1,737.7 R
1965	60.1	1,083.0 R	691.2	0.0	NA	5.6	0.4	1,840.3 R
1966	51.5	1,153.4 R	720.1	0.0	NA	5.5	0.7	1,931.2 R
1967	64.8	1,233.6 R	731.6	0.0	NA	5.3	0.4	2,035.7 R
1968	64.1	1,345.3 R	745.6	0.0	NA	5.3	0.4	2,160.7 R
1969	83.6	1,315.2 R	749.5	0.0	NA	5.0	0.7	2,154.0 R
1970	137.7	1,316.2 R	743.5	0.0	NA	4.9	0.7	2,202.9 R
1971	152.9	1,355.5 R	686.8	0.0	NA	4.7	0.3	2,200.2 R
1972	154.3	1,409.3 R	641.0	0.0	NA	4.5	0.2	2,209.4 R
1973	164.7	1,392.5 R	585.7	0.0	NA	4.2	0.7	2,147.9 R
1974	168.5	1,413.0 R	572.4	0.0	NA	4.2	0.8	2,158.9 R
1975	157.5	1,385.2 R	551.4	0.0	NA	5.3	0.7	2,100.1 R
1976	175.4	1,399.4 R	534.4	0.0	NA	6.0	0.8	2,116.0 R
1977	200.3	1,382.4 R	505.9	0.0	NA	7.0	0.3	2,095.8 R
1978	232.6	1,352.7 R	483.5	0.0	NA	7.7	0.3	2,076.9 R
1979	292.4	1,370.2 R	462.0	0.0	NA	9.2	0.7	2,134.5 R
1980	345.1	1,323.8 R	436.9	0.0	NA	5.2	1.0	2,112.0 R
1981	355.6	1,301.3	415.1	0.0	0.2	6.7	0.9	2,079.8
1982	375.4	1,139.1	411.9	0.0	0.7	6.9	0.8	1,934.9
1983	381.4	1,023.3	436.0	0.0	1.4	7.4	0.9	1,850.4
1984	397.9	1,100.0	460.1	0.0	1.7	7.7	1.0	1,968.4
1985	420.4	1,059.4	455.5	0.0	1.8	7.9	1.3	1,946.2
1986	404.1	835.2	439.1	0.0	1.9	8.1	1.7	1,690.1
1987	359.6	982.1	419.5	0.0	2.0	5.1	1.7	1,770.1
1988	407.9	943.8	413.2	0.0	2.1	5.4	1.0	1,773.3
1989	444.9	990.5	398.5	0.0	1.9	4.2	3.1	1,843.2
1990	454.2	1,120.9	390.1	0.0	1.6	3.9	2.8	1,973.5
1991	400.5	1,187.9	408.4	0.0	1.9	4.1	3.2	2,006.0
1992	457.8	1,433.2	405.8	0.0	1.7	4.2	3.3	2,306.1
1993	535.3	1,590.7	396.8	0.0	1.8	4.1	3.7	2,532.5
1994	533.9	1,695.5	381.9	0.0	1.7	3.9	2.9	2,619.9
1995	508.0	1,788.2	374.1	0.0	1.6	4.0	3.5	2,679.4
1996	452.3	1,755.3	374.0	0.0	0.7	4.0	2.9	2,589.1
1997	505.6	1,740.0	405.0	0.0	1.1	4.5	3.4	2,659.6
1998	534.7	1,624.8	419.5	0.0	1.3	4.0	3.1	2,587.5
1999	547.7	1,637.0	373.4	0.0	1.2	4.2	3.6	2,567.0
2000	513.4	1,806.5	389.7	0.0	1.4	4.4	3.4	2,718.8
2001	554.8	1,813.1	394.4	0.0	1.5	3.0	3.6	2,770.3
2002	543.3	1,763.6	391.9	0.0	2.0	2.9	3.8	2,707.5
2003	490.6	1,799.7	386.2	0.0	2.3	2.8	4.4	2,686.1
2004	510.9	1,828.2	374.2	0.0	2.1	2.9	7.4	2,725.6
2005	537.0	1,828.0	353.6	0.0	2.8	10.8	10.5	2,742.7
2006	485.1	1,780.6	344.8	0.0	4.0	10.1	15.3	2,639.9
2007	455.5	1,690.8	343.2	0.0	4.2	11.2	17.3	2,522.4
2008	475.8	1,609.0	348.9	0.0	3.1	12.5	19.8	2,469.0
2009	466.1	1,549.6	354.8	0.0	3.8	9.0	18.3	2,401.6
2010	381.4	1,453.1	380.3	0.0	3.4 R	9.5	20.7	2,248.5 R
2011	406.0	1,397.3	414.8	0.0	3.2 R	8.4	24.5	2,254.0 R
2012	409.1	1,367.0	496.2	0.0	2.8 R	7.2	27.5	2,309.8 R
2013	400.2	1,331.4	596.2	0.0	3.5	9.3	26.9	2,367.5
2014	400.2	1,397.8	725.4	0.0	3.1 R	9.3	29.3	2,565.1 R
2015	357.5	1,436.3	846.7 R	0.0	0.0	10.7	28.1	2,679.3 R
2016	246.5	1,422.6	839.0 R	0.0	0.0	11.1 R	43.7	2,563.0 R
2017	257.7	1,506.8	985.2 R	0.0	0.0	9.7	57.7	2,817.1 R
2018	200.2	1,734.5 R	1,420.1 R	0.0	0.0	13.2 R	72.1	3,440.1 R
2019	268.3	2,087.5	1,877.4	0.0	0.0	15.3	78.7	4,327.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, New York, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	4,990	1,813	NA	NA
1961	0	5,742	1,658	NA	NA
1962	0	4,262	1,589	NA	NA
1963	0	3,962	1,679	NA	NA
1964	0	3,125	1,874	NA	NA
1965	0	3,340	1,632	NA	NA
1966	0	2,699	1,735	NA	NA
1967	0	3,837	1,972	NA	NA
1968	0	4,632	1,532	NA	NA
1969	0	4,861	1,256	NA	NA
1970	0	3,358	1,194	NA	NA
1971	0	2,202	1,126	NA	NA
1972	0	3,679	1,018	NA	NA
1973	0	4,539	967	NA	NA
1974	0	4,990	896	NA	NA
1975	0	7,628	875	NA	NA
1976	0	9,235	857	NA	NA
1977	0	10,682	824	NA	NA
1978	0	13,900	852	NA	NA
1979	0	15,500	855	NA	NA
1980	0	15,643	824	NA	NA
1981	0	16,074	841	0	NA
1982	0	15,877	834	0	NA
1983	0	17,836	831	0	NA
1984	0	25,200	840	0	NA
1985	0	31,561	1,071	0	NA
1986	0	29,964	853	0	NA
1987	0	25,676	710	0	NA
1988	0	23,455	566	0	NA
1989	0	20,433	498	0	NA
1990	0	25,023	415	0	NA
1991	0	22,777	427	0	NA
1992	0	23,508	404	0	NA
1993	0	21,183	335	0	NA
1994	0	20,465	299	0	NA
1995	0	18,400	304	0	NA
1996	0	18,131	309	0	NA
1997	0	16,188	276	0	NA
1998	0	16,699	217	0	NA
1999	0	16,122	206	0	NA
2000	0	17,757	210	0	NA
2001	0	27,787	166	0	0
2002	0	36,816	164	0	0
2003	0	36,137	143	0	0
2004	0	46,050	170	0	0
2005	0	55,180	202	0	0
2006	0	55,980	312	0	0
2007	0	54,942	379	100	0
2008	0	50,320	387	2,064	65
2009	0	44,849	333	1,189	15
2010	0	35,813	381	2,482 R	96
2011	0	31,124	375	3,063 R	158
2012	0	26,424	362	3,095 R	2
2013	0	23,458	366	3,762 R	4
2014	0	20,201	356	3,490 R	4
2015	0	17,325	286	3,465 R	2
2016	0	13,523	225	3,801 R	0
2017	0	11,395	184	3,687 R	0
2018	0	10,653 R	221	3,308 R	0
2019	0	10,962	274	3,519	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, New York, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	5.1	10.5	0.0	NA	59.3	130.1	204.9
1961	0.0	5.9	9.6	0.0	NA	57.5	193.4	266.3
1962	0.0	4.4	9.2	0.7	NA	57.3	220.7	292.3
1963	0.0	4.0	9.7	7.0	NA	57.2	202.9	280.9
1964	0.0	3.2	10.9	4.6	NA	57.0	190.5	266.0
1965	0.0	3.4	9.5	8.6	NA	58.1	204.6	284.2
1966	0.0	2.8	10.1	9.3	NA	58.7	229.9	310.7
1967	0.0	3.9	11.4	13.3	NA	57.1	244.5	330.3
1968	0.0	4.7	8.9	12.1	NA	60.1	260.2	346.1
1969	0.0	5.0	7.3	14.0	NA	61.5	278.1	365.9
1970	0.0	3.4	6.9	46.9	NA	62.6	262.9	382.8
1971	0.0	2.2	6.5	70.7	NA	60.2	266.5	406.1
1972	0.0	3.8	5.9	69.8	NA	59.5	288.5	427.4
1973	0.0	4.7	5.6	78.8	NA	59.6	305.1	453.8
1974	0.0	5.1	5.2	103.5	NA	62.1	300.9	476.8
1975	0.0	7.7	5.1	144.4	NA	60.2	294.7	512.1
1976	0.0	9.4	5.0	173.0	NA	69.3	299.2	555.8
1977	0.0	10.8	4.8	221.7	NA	74.2	268.0	579.5
1978	0.0	14.1	4.9	237.4	NA	84.7	270.2	611.3
1979	0.0	15.7	5.0	201.3	NA	94.2	274.2	590.4
1980	0.0	16.0	4.8	210.3	NA	129.7	275.0	635.7
1981	0.0	16.4	4.9	192.4	0.0	143.3	270.6	627.6
1982	0.0	16.2	4.8	159.9	0.0	130.2	267.2	578.4
1983	0.0	18.3	4.8	178.6	0.0	158.2	277.7	637.6
1984	0.0	25.9	4.9	229.7	0.0	129.6	280.0	670.0
1985	0.0	32.5	6.2	255.9	0.0	131.5	284.0	710.1
1986	0.0	30.8	4.9	233.6	0.0	118.8	310.4	698.5
1987	0.0	26.4	4.1	239.4	0.0	110.6	289.4	670.0
1988	0.0	24.1	3.3	256.3	0.0	116.5	249.2	649.4
1989	0.0	21.0	2.9	241.8	0.0	119.8	259.2	644.7
1990	0.0	25.8	2.4	250.0	0.0	97.4	293.6	669.1
1991	0.0	23.4	2.5	298.3	0.0	95.1	284.0	703.2
1992	0.0	24.2	2.3	252.9	0.0	104.5	290.6	674.6
1993	0.0	21.8	1.9	282.4	0.0	117.3	304.0	727.5
1994	0.0	21.0	1.7	305.5	0.0	122.0	287.2	737.5
1995	0.0	18.9	1.8	276.7	0.0	122.6	268.7	688.7
1996	0.0	18.6	1.8	370.0	0.0	139.2	300.1	829.7
1997	0.0	16.6	1.6	310.3	0.0	177.7	313.5	819.7
1998	0.0	17.2	1.3	328.5	0.0	159.0	299.8	805.8
1999	0.0	16.6	1.2	386.8	0.0	165.2	254.0	823.7
2000	0.0	18.3	1.2	328.6	0.0	174.1	255.1	777.3
2001	0.0	28.6	1.0	421.8	0.0	111.1	239.6	802.1
2002	0.0	37.7	1.0	413.7	0.0	107.4	256.6	816.3
2003	0.0	37.1	0.8	424.0	0.0	110.2	247.2	819.3
2004	0.0	47.2	1.0	423.8	0.0	116.2	242.7	830.9
2005	0.0	56.6	1.2	442.9	0.0	105.2	260.3	866.2
2006	0.0	57.2	1.8	440.6	0.0	99.2	279.4	878.2
2007	0.0	56.2	2.2	445.3	0.6	103.4	259.7	867.4
2008	0.0	51.4	2.2	451.6	12.3	109.3	277.8	904.7
2009	0.0	45.8	1.9	454.8	6.9	69.0	294.1	872.5
2010	0.0	36.6	2.2	437.6	14.8 R	74.9	276.6	842.7 R
2011	0.0	31.9	2.2	446.8	18.4 R	78.3	302.9	880.5 R
2012	0.0	27.2	2.1	427.3	17.7 R	75.0	267.5	816.8 R
2013	0.0	24.2	2.1	467.7	21.5 R	82.2	277.1	874.7 R
2014	0.0	20.8	2.1	450.1	19.9 R	85.7	292.3	870.9 R
2015	0.0	17.9	1.6	466.5	19.7 R	100.9	288.4	895.0 R
2016	0.0	13.9	1.3	434.8	21.5 R	94.9 R	296.5	862.8 R
2017	0.0	11.8	1.1	441.0	20.8 R	95.7 R	330.9	901.2 R
2018	0.0	11.0 R	1.3	448.7	18.6 R	99.1 R	325.0	903.7 R
2019	0.0	11.3	1.6	468.5	19.7	96.0	336.1	933.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, North Carolina, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	26
2007	0	0	0	0	80
2008	0	0	0	0	65
2009	0	0	0	0	67
2010	0	0	0	0	201
2011	0	0	0	0	238
2012	0	0	0	0	69
2013	0	0	0	0	126
2014	0	0	0	0	113
2015	0	0	0	0	47
2016	0	0	0	0	78
2017	0	0	0	0	41
2018	0	0	0	0	37
2019	0	0	0	0	35

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, North Carolina, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	73.7	53.8	127.5
1961	0.0	0.0	0.0	0.0	NA	70.4	50.3	120.7
1962	0.0	0.0	0.0	0.0	NA	69.4	58.0	127.4
1963	0.0	0.0	0.0	0.0	NA	70.7	45.7	116.5
1964	0.0	0.0	0.0	0.0	NA	69.1	62.7	131.7
1965	0.0	0.0	0.0	0.0	NA	67.3	56.3	123.6
1966	0.0	0.0	0.0	0.0	NA	68.7	45.6	114.3
1967	0.0	0.0	0.0	0.0	NA	66.1	52.5	118.6
1968	0.0	0.0	0.0	0.0	NA	68.0	49.1	117.1
1969	0.0	0.0	0.0	0.0	NA	67.7	51.8	119.5
1970	0.0	0.0	0.0	0.0	NA	65.9	45.9	111.8
1971	0.0	0.0	0.0	0.0	NA	66.1	62.0	128.1
1972	0.0	0.0	0.0	0.0	NA	68.9	66.8	135.8
1973	0.0	0.0	0.0	0.0	NA	68.9	73.9	142.8
1974	0.0	0.0	0.0	0.0	NA	67.7	71.9	139.6
1975	0.0	0.0	0.0	15.5	NA	66.4	73.4	155.3
1976	0.0	0.0	0.0	27.7	NA	78.3	58.6	164.7
1977	0.0	0.0	0.0	61.0	NA	91.4	55.2	207.6
1978	0.0	0.0	0.0	108.5	NA	102.4	56.8	267.7
1979	0.0	0.0	0.0	74.1	NA	109.7	82.0	265.7
1980	0.0	0.0	0.0	63.0	NA	78.9	57.0	198.9
1981	0.0	0.0	0.0	68.9	0.0	77.5	30.6	177.0
1982	0.0	0.0	0.0	101.1	0.0	86.8	56.5	244.4
1983	0.0	0.0	0.0	134.8	0.0	85.0	64.6	284.5
1984	0.0	0.0	0.0	219.4	0.0	93.4	66.5	379.3
1985	0.0	0.0	0.0	205.0	0.0	94.0	42.8	341.8
1986	0.0	0.0	0.0	214.6	0.0	87.8	26.3	328.7
1987	0.0	0.0	0.0	298.6	0.0	81.7	53.1	433.5
1988	0.0	0.0	0.0	309.0	0.0	85.4	29.9	424.3
1989	0.0	0.0	0.0	309.2	0.0	94.4	73.3	476.8
1990	0.0	0.0	0.0	274.1	0.0	97.5	71.2	442.9
1991	0.0	0.0	0.0	317.8	0.0	75.9	61.3	455.1
1992	0.0	0.0	0.0	238.3	0.0	99.7	60.0	398.0
1993	0.0	0.0	0.0	249.6	0.0	105.6	51.7	406.9
1994	0.0	0.0	0.0	338.1	0.0	112.3	74.5	524.9
1995	0.0	0.0	0.0	377.3	0.0	111.5	57.2	546.0
1996	0.0	0.0	0.0	354.1	0.0	109.5	61.9	525.5
1997	0.0	0.0	0.0	340.6	0.0	107.0	57.8	505.4
1998	0.0	0.0	0.0	406.8	0.0	100.8	58.8	566.5
1999	0.0	0.0	0.0	392.1	0.0	101.7	38.0	531.9
2000	0.0	0.0	0.0	408.1	0.0	103.9	32.3	544.3
2001	0.0	0.0	0.0	394.5	0.0	100.2	27.2	521.8
2002	0.0	0.0	0.0	413.8	0.0	89.4	35.9	539.0
2003	0.0	0.0	0.0	426.3	0.0	108.2	73.3	607.9
2004	0.0	0.0	0.0	418.1	0.0	84.9	54.9	557.9
2005	0.0	0.0	0.0	417.2	0.0	90.8	54.5	562.5
2006	0.0	0.0	0.0	417.0	0.1	97.9	38.7	553.8
2007	0.0	0.0	0.0	420.0	0.4	82.5	30.2	533.2
2008	0.0	0.0	0.0	415.7	0.4	111.9	30.8	558.8
2009	0.0	0.0	0.0	427.2	0.4	96.9	51.6	576.1
2010	0.0	0.0	0.0	425.8	1.1	109.5	47.8	584.2
2011	0.0	0.0	0.0	424.1	1.3	116.3	39.3	581.0
2012	0.0	0.0	0.0	412.7	0.4	114.4	38.4	565.9
2013	0.0	0.0	0.0	420.5	0.7	120.7	71.0	612.8
2014	0.0	0.0	0.0	428.5	0.6	119.3	54.1	602.5
2015	0.0	0.0	0.0	440.2	0.3	110.7	59.0	610.3
2016	0.0	0.0	0.0	447.5	0.4	123.9 R	75.2	647.0
2017	0.0	0.0	0.0	443.2	0.2	125.8 R	89.6	658.8 R
2018	0.0	0.0	0.0	439.9	0.2	124.7 R	123.9	688.7 R
2019	0.0	0.0	0.0	437.7	0.2	124.0	129.8	691.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, North Dakota, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	2,525	19,483	21,992	NA	NA
1961	2,726	20,100	23,652	NA	NA
1962	2,733	25,155	25,181	NA	NA
1963	2,399	32,798	25,030	NA	NA
1964	2,637	34,700	25,731	NA	NA
1965	2,732	35,652	26,350	NA	NA
1966	3,543	46,585	27,126	NA	NA
1967	4,156	40,462	25,315	NA	NA
1968	4,487	41,023	25,040	NA	NA
1969	4,704	33,587	22,703	NA	NA
1970	5,639	34,889	21,998	NA	NA
1971	6,075	33,864	21,653	NA	NA
1972	6,632	32,472	20,624	NA	NA
1973	6,906	27,703	20,235	NA	NA
1974	7,463	31,206	19,697	NA	NA
1975	8,515	24,786	20,452	NA	NA
1976	11,102	31,470	21,725	NA	NA
1977	12,028	29,173	23,273	NA	NA
1978	14,028	30,499	24,812	NA	NA
1979	15,135	18,468	30,914	NA	NA
1980	16,975	42,346	40,337	NA	NA
1981	18,122	42,573	45,424	50	NA
1982	17,855	53,818	47,271	167	NA
1983	19,190	69,319	50,690	314	NA
1984	22,112	70,496	52,652	376	NA
1985	26,873	72,633	50,857	405	NA
1986	25,640	55,098	45,628	430	NA
1987	25,142	62,258	41,351	471	NA
1988	29,731	57,747	39,343	475	NA
1989	29,566	51,174	36,744	449	NA
1990	29,213	52,169	36,717	377	NA
1991	29,530	53,479	35,891	443	NA
1992	31,744	54,883	32,894	395	NA
1993	31,973	59,851	30,915	453	NA
1994	32,286	57,805	27,575	487	NA
1995	30,112	49,468	29,335	473	NA
1996	29,861	49,674	32,317	196	NA
1997	29,580	52,401	35,832	350	NA
1998	29,912	53,185	35,562	417	NA
1999	31,135	52,862	32,882	389	NA
2000	31,270	52,426	32,719	471	NA
2001	30,475	54,732	31,691	519	0
2002	30,799	57,048	30,803	712	0
2003	30,775	55,693	29,411	844	0
2004	29,943	55,009	31,152	774	0
2005	29,956	52,557	35,675	744	0
2006	30,411	55,273	39,591	751	0
2007	29,606	60,255	44,788	3,255	608
2008	29,627	52,444	62,322	3,666	1,072
2009	29,945	59,369	79,792	6,197	538
2010	28,949	81,837	112,555 R	7,451 R	607
2011	28,231	97,102	152,433 R	7,721 R	1,503
2012	27,529	172,242	242,364 R	7,329 R	1,549
2013	27,639	235,711	312,360 R	7,344 R	1,707 R
2014	29,157	326,491	394,628 R	7,375 R	1,724 R
2015	28,802	471,360	429,636 R	8,626 R	1,573 R
2016	28,121	531,997	377,809	9,884 R	1,703
2017	28,788	593,998	390,663 R	12,205 R	1,912
2018	29,643	706,552 R	460,438 R	12,242 R	1,796
2019	26,997	851,750	518,874	12,407	1,789

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, North Dakota, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	33.1	24.9 R	127.6	0.0	NA	0.5	11.4	197.4 R
1961	35.7	25.7 R	137.2	0.0	NA	0.4	15.0	214.0 R
1962	35.8	32.1 R	146.1	0.0	NA	0.4	13.7	228.1
1963	31.4	41.9 R	145.2	0.0	NA	0.4	15.5	234.4 R
1964	34.5	44.3 R	149.2	0.0	NA	0.4	19.6	248.1 R
1965	35.8	45.6 R	152.8	0.0	NA	0.3	26.1	260.6 R
1966	46.4	59.5 R	157.3	0.0	NA	0.3	20.1	283.7 R
1967	54.4	51.7 R	146.8	0.0	NA	0.4	28.9	282.2 R
1968	58.8	52.4 R	145.2	0.0	NA	0.4	26.0	282.8 R
1969	61.6	42.9 R	131.7	0.0	NA	0.4	30.7	267.3 R
1970	73.9	44.6 R	127.6	0.0	NA	0.4	29.5	276.0 R
1971	79.6	42.3 R	125.6	0.0	NA	0.4	33.9	281.7 R
1972	86.9	40.1	119.6	0.0	NA	0.4	32.1	279.1
1973	93.7	34.3 R	117.4	0.0	NA	0.4	24.7	270.5 R
1974	100.6	36.4 R	114.2	0.0	NA	0.4	28.5	280.1 R
1975	110.9	29.5	118.6	0.0	NA	0.5	34.8	294.3
1976	144.8	36.3	126.0	0.0	NA	0.5	33.9	341.5
1977	157.6	33.6	135.0	0.0	NA	0.5	20.8	347.5
1978	184.3	35.0	143.9	0.0	NA	0.5	31.4	395.1 R
1979	199.5	24.6 R	179.3	0.0	NA	0.6	28.3	432.2 R
1980	223.7	52.6	234.0	0.0	NA	2.4	26.1	538.9
1981	238.0	55.0	263.5	0.0	0.3	2.2	23.5	582.5
1982	235.3	66.9	274.2	0.0	1.1	2.6	26.7	606.8
1983	251.1	86.4	294.0	0.0	2.0	2.4	25.0	661.0
1984	286.3	89.1	305.4	0.0	2.4	3.0	24.7	710.9
1985	351.0	93.4	295.0	0.0	2.6	3.1	22.7	767.9
1986	335.2	70.8	264.6	0.0	2.7	3.0	24.3	700.6
1987	328.6	80.6	239.8	0.0	3.0	2.5	20.7	675.2
1988	389.4	74.8	228.2	0.0	3.0	2.7	19.4	717.5
1989	386.8	65.7	213.1	0.0	2.8	2.8	19.8	691.0
1990	387.7	66.8	213.0	0.0	2.3	1.9	17.9	689.5
1991	386.8	68.5	208.2	0.0	2.7	2.0	18.4	686.7
1992	413.5	69.1	190.8	0.0	2.4	2.1	17.7	695.6
1993	417.3	74.9	179.3	0.0	2.8	1.8	14.7	690.9
1994	422.5	72.0	159.9	0.0	3.0	2.3	19.3	679.1
1995	395.2	62.2	170.1	0.0	2.9	2.6	25.5	658.5
1996	393.5	61.5	187.4	0.0	1.2	2.4	32.7	678.8
1997	389.6	64.3	207.8	0.0	2.1	2.3	34.1	700.2
1998	392.6	65.2	206.3	0.0	2.5	2.2	23.6	692.4
1999	407.9	66.0	190.7	0.0	2.4	2.3	26.9	696.2
2000	408.4	65.3	189.8	0.0	2.8	2.5	21.9	690.7
2001	398.4	68.4	183.8	0.0	3.1	3.5	14.0	671.3
2002	401.8	69.2	178.7	0.0	4.3	2.6	16.5	673.1
2003	402.7	67.8	170.6	0.0	5.0	2.7	18.4	667.2
2004	393.0	68.4	180.7	0.0	4.6	3.3	18.0	668.0
2005	392.6	67.9	206.9	0.0	4.4	2.9	16.1	690.7
2006	397.5	71.4	229.6	0.0	4.4	2.4	19.3	724.6
2007	385.1	76.9	259.8	0.0	22.3	2.0	19.6	765.7
2008	387.4	68.9	361.5	0.0	27.1	1.9	29.7	876.4
2009	391.8	80.5	462.8	0.0	38.7	2.0	44.5	1,020.2
2010	377.7	107.7	652.8 R	0.0	46.2 R	2.1	60.8	1,247.3 R
2011	367.6	130.7	884.1 R	0.0	52.5 R	2.9	76.9	1,514.8 R
2012	366.8	231.5	1,405.7 R	0.0	50.4 R	2.4	74.7	2,131.6 R
2013	369.5	318.4	1,811.7 R	0.0	51.2 R	2.8	71.3	2,624.8 R
2014	389.7	437.2	2,288.8 R	0.0	51.3 R	2.9	84.0	3,253.9 R
2015	392.2	679.0	2,456.2 R	0.0	57.4 R	2.8	81.1	3,668.8 R
2016	399.9	766.9	2,161.8	0.0	65.1 R	2.9	94.1	3,490.6 R
2017	394.0	857.3	2,235.8 R	0.0	79.2 R	2.7 R	129.4	3,698.4 R
2018	399.8	993.0 R	2,627.3 R	0.0	78.7 R	1.9 R	127.7	4,228.3 R
2019	361.9	1,188.3	2,956.5	0.0	79.2	1.9	129.2	4,717.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Ohio, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	33,957	36,074	5,405	NA	NA
1961	32,226	36,423	5,639	NA	NA
1962	34,125	36,747	5,835	NA	NA
1963	36,790	36,817	6,039	NA	NA
1964	37,310	37,309	15,859	NA	NA
1965	39,390	35,684	12,908	NA	NA
1966	43,341	43,133	10,899	NA	NA
1967	46,014	41,315	9,924	NA	NA
1968	48,323	42,673	11,204	NA	NA
1969	51,242	49,793	10,972	NA	NA
1970	55,351	52,113	9,864	NA	NA
1971	51,431	79,903	8,286	NA	NA
1972	50,967	89,995	9,358	NA	NA
1973	45,783	93,610	8,796	NA	NA
1974	45,409	92,055	9,088	NA	NA
1975	46,770	84,960	9,578	NA	NA
1976	46,582	88,891	9,994	NA	NA
1977	47,918	99,327	10,359	NA	NA
1978	41,237	114,098	11,154	NA	NA
1979	43,538	123,431	11,953	NA	NA
1980	39,394	138,856	12,928	NA	NA
1981	37,358	141,134	13,551	0	NA
1982	36,490	138,391	14,571	450	NA
1983	33,770	151,300	14,971	849	NA
1984	39,256	186,480	15,271	1,017	NA
1985	35,602	182,245	14,988	1,095	NA
1986	36,441	182,072	13,442	1,161	NA
1987	35,788	166,593	12,153	1,274	NA
1988	34,043	166,690	11,711	1,282	NA
1989	33,700	159,730	10,215	1,213	NA
1990	35,252	154,619	10,008	1,019	NA
1991	30,569	147,651	9,156	1,196	NA
1992	30,403	144,815	9,197	1,068	NA
1993	28,816	137,285	8,282	1,166	NA
1994	29,897	132,151	8,758	1,374	NA
1995	26,118	126,336	8,258	649	NA
1996	28,572	119,251	8,305	0	NA
1997	29,154	116,246	8,593	0	NA
1998	28,048	115,083	6,541	0	NA
1999	22,480	109,509	5,970	0	NA
2000	22,269	105,125	6,575	0	NA
2001	25,400	100,107	6,051	0	0
2002	21,157	103,158	5,631	0	0
2003	22,009	93,641	5,658	0	0
2004	23,222	90,476	5,783	0	0
2005	24,718	83,523	5,658	39	0
2006	22,722	86,315	5,439	67	79
2007	22,575	88,095	5,155	42	1,019
2008	26,251	84,858	5,088	7,941	769
2009	27,651	88,824	4,890	6,256	409
2010	26,728	78,122	4,772	9,669 R	389
2011	28,175	78,858	4,657	11,205 R	1,117
2012	26,340	84,482	5,111	10,799 R	946
2013	25,125	166,017	8,009	11,291 R	1,258 R
2014	22,258	512,371	15,078	13,313 R	1,271 R
2015	17,041	1,007,270	26,701	13,507 R	1,273 R
2016	12,564	1,437,285	21,600	13,978 R	1,597 R
2017	9,489	1,791,359	20,010	14,573 R	1,678 R
2018	8,993	2,403,382 R	22,775 R	15,131 R	1,647 R
2019	7,779	2,654,186	28,039	14,934	1,462

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Ohio, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	796.6	36.9	31.3	0.0	NA	36.8	0.2	901.9
1961	756.0	37.3	32.7	0.0	NA	36.2	0.2	862.4
1962	800.6	37.6	33.8	0.0	NA	36.8	0.2	909.0
1963	863.1	37.7	35.0	0.0	NA	38.1	0.1	974.0
1964	875.3	38.2	92.0	0.2	NA	37.9	0.1	1,043.7
1965	924.1	36.5	74.9	0.3	NA	38.6	0.1	1,074.5
1966	1,016.8	44.1	63.2	(s)	NA	41.4	0.1	1,165.7
1967	1,079.5	42.3	57.6	0.0	NA	39.6	0.1	1,219.0
1968	1,133.7	43.7	65.0	0.0	NA	43.4	0.1	1,285.8
1969	1,202.2	50.9	63.6	0.0	NA	44.4	0.1	1,361.2
1970	1,298.6	53.3	57.2	0.0	NA	44.1	0.1	1,453.2
1971	1,206.6	81.7	48.1	0.0	NA	43.4	0.1	1,379.9
1972	1,195.7	92.1	54.3	0.0	NA	44.8	0.1	1,387.0
1973	1,031.7	96.0	51.0	0.0	NA	46.5	0.1	1,225.3
1974	997.0	94.4	52.7	0.0	NA	48.3	0.1	1,192.5
1975	1,019.4	86.9	55.6	0.0	NA	46.2	0.1	1,208.2
1976	1,026.7	91.1	58.0	0.0	NA	52.8	0.1	1,228.6
1977	1,057.7	101.7	60.1	5.0	NA	58.5	0.1	1,283.1
1978	917.6	116.7	64.7	26.5	NA	69.6	(s)	1,195.2
1979	974.0	126.5	69.3	34.4	NA	74.6	(s)	1,278.9
1980	881.3	141.1	75.0	23.1	NA	107.3	0.1	1,227.8
1981	850.0	144.4	78.6	48.6	0.0	112.9	0.1	1,234.5
1982	843.0	142.4	84.5	35.7	2.9	112.2	0.1	1,220.8
1983	790.5	156.5	86.8	53.5	5.4	124.3	1.4	1,218.4
1984	915.4	193.4	88.6	46.8	6.5	119.9	1.7	1,372.2
1985	831.1	190.4	86.9	20.6	6.9	121.9	1.8	1,259.6
1986	855.4	190.6	78.0	0.3	7.3	108.6	1.8	1,241.9
1987	840.1	174.2	70.5	78.4	8.0	111.9	2.3	1,285.5
1988	798.7	173.4	67.9	89.6	8.0	117.7	1.9	1,257.3
1989	787.9	166.5	59.2	134.0	7.6	97.4	1.7	1,254.4
1990	826.3	160.9	58.0	112.8	6.3	66.1	2.3	1,232.8
1991	720.9	154.2	53.1	155.5	7.4	70.8	2.0	1,164.0
1992	720.5	150.2	53.3	155.0	6.6	66.7	3.0	1,155.4
1993	686.2	142.7	48.0	105.2	7.2	44.2	2.4	1,035.8
1994	711.8	137.2	50.8	114.5	8.4	69.0	2.5	1,094.2
1995	621.0	131.3	47.9	176.2	4.0	65.3	3.0	1,048.6
1996	675.1	123.9	48.2	146.2	0.0	74.2	4.7	1,072.3
1997	689.5	121.6	49.8	160.9	0.0	68.3	5.9	1,096.0
1998	659.4	119.8	37.9	172.8	0.0	62.3	4.9	1,057.2
1999	531.3	113.7	34.6	171.6	0.0	69.1	5.2	925.5
2000	528.2	109.7	38.1	175.0	0.0	72.5	6.8	930.4
2001	598.9	104.4	35.1	161.5	0.0	44.9	6.2	951.1
2002	507.9	107.2	32.7	113.5	0.0	32.2	6.0	799.4
2003	539.4	97.1	32.8	88.3	0.0	41.5	6.5	805.7
2004	568.6	94.6	33.5	166.3	0.0	42.5	8.8	914.4
2005	606.4	87.2	32.8	154.5	0.2	47.3	7.0	935.4
2006	557.9	89.7	31.5	175.8	0.8	46.7	8.3	910.8
2007	555.7	91.4	29.9	165.3	5.8	49.9	6.4	904.4
2008	638.4	88.3	29.5	183.1	50.3	53.9	6.5	1,050.0
2009	670.2	92.5	28.4	159.0	38.3	50.3	8.4	1,047.1
2010	644.9	80.8	27.7	165.2	57.8 R	59.8	8.0	1,044.1 R
2011	679.2	81.3	27.0	155.8	70.4 R	59.2	9.6	1,082.5 R
2012	642.1	87.4	29.6	179.1	66.9 R	55.5	17.9	1,078.6 R
2013	612.3	175.3	46.5	168.5	71.2 R	63.2	21.0	1,157.9 R
2014	541.8	590.6	87.5	170.3	82.6 R	63.6	20.5	1,557.0 R
2015	417.7	1,171.6	152.7	181.7	83.5 R	60.3	20.6	2,088.0 R
2016	309.1	1,647.2	123.6	175.9	87.6 R	56.9 R	21.4	2,421.7 R
2017	233.6	2,009.4	114.5	185.0	91.2 R	51.7 R	23.1	2,708.5 R
2018	219.9	2,652.3 R	130.0 R	191.5	94.1 R	53.2 R	24.3	3,365.3 R
2019	192.4	2,903.8	159.8	177.6	91.6	52.6	28.5	3,606.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Oklahoma, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	1,342	824,266	192,913	NA	NA
1961	1,032	892,697	193,081	NA	NA
1962	1,048	1,060,717	202,732	NA	NA
1963	1,008	1,233,883	201,962	NA	NA
1964	1,028	1,323,390	202,524	NA	NA
1965	974	1,320,995	203,441	NA	NA
1966	843	1,351,225	224,839	NA	NA
1967	823	1,412,952	230,749	NA	NA
1968	1,089	1,390,884	223,623	NA	NA
1969	1,838	1,523,715	224,729	NA	NA
1970	2,427	1,594,943	223,574	NA	NA
1971	2,234	1,684,260	213,313	NA	NA
1972	2,624	1,806,887	207,633	NA	NA
1973	2,183	1,770,980	191,204	NA	NA
1974	2,356	1,638,942	177,785	NA	NA
1975	2,872	1,605,410	163,123	NA	NA
1976	3,635	1,726,513	161,426	NA	NA
1977	5,978	1,769,519	156,382	NA	NA
1978	6,070	1,773,582	150,456	NA	NA
1979	4,957	1,835,366	143,642	NA	NA
1980	5,358	1,891,824	150,140	NA	NA
1981	5,786	2,019,199	154,056	0	NA
1982	4,797	1,985,384	158,621	0	NA
1983	3,694	1,779,541	158,604	0	NA
1984	4,640	2,046,339	168,385	0	NA
1985	3,337	1,993,405	162,739	0	NA
1986	3,048	1,971,988	149,105	0	NA
1987	2,870	2,073,461	134,378	0	NA
1988	2,136	2,167,050	128,874	0	NA
1989	1,753	2,237,037	117,493	0	NA
1990	1,698	2,258,471	112,273	0	NA
1991	1,841	2,153,852	108,094	0	NA
1992	1,741	2,017,356	101,807	0	NA
1993	1,758	2,049,942	96,625	0	NA
1994	1,911	1,934,864	90,973	0	NA
1995	1,876	1,811,734	87,490	0	NA
1996	1,701	1,734,887	85,379	0	NA
1997	1,621	1,703,888	83,364	0	NA
1998	1,661	1,669,367	77,578	0	NA
1999	1,661	1,594,002	70,556	0	NA
2000	1,588	1,612,890	69,976	0	NA
2001	1,714	1,615,384	68,531	0	0
2002	1,406	1,581,606	66,421	0	0
2003	1,565	1,558,155	64,916	0	0
2004	1,792	1,655,769	63,977	0	0
2005	1,856	1,639,310	61,262	0	0
2006	1,998	1,688,985	64,236	0	0
2007	1,648	1,783,682	62,901	0	0
2008	1,463	1,886,710	67,299	0	315
2009	956	1,901,556	67,174	0	407
2010	1,010	1,827,328	70,196	0	214
2011	1,145	1,888,870	81,599	0	309
2012	1,054	2,023,460	100,700 R	0	0
2013	1,136	1,993,754	123,812 R	0	715 R
2014	904	2,331,085	149,602 R	0	722 R
2015	780	2,499,599	166,468 R	0	642 R
2016	654	2,468,312	155,228 R	0	822 R
2017	561	2,513,896	165,955 R	0	855
2018	716	2,875,787 R	199,557 R	0	828
2019	227	3,175,008	211,808	0	757

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Oklahoma, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	33.9	899.6 R	1,118.9	0.0	NA	10.2	7.6	2,070.2 R
1961	26.1	974.3 R	1,119.9	0.0	NA	9.5	10.7	2,140.4 R
1962	26.5	1,157.6 R	1,175.8	0.0	NA	8.9	7.7	2,376.6 R
1963	25.5	1,346.6 R	1,171.4	0.0	NA	8.6	2.0	2,554.1 R
1964	26.0	1,444.3 R	1,174.6	0.0	NA	8.2	3.2	2,656.3 R
1965	24.6	1,441.7 R	1,180.0	0.0	NA	7.6	8.6	2,662.5 R
1966	21.3	1,474.7 R	1,304.1	0.0	NA	7.7	5.3	2,813.1 R
1967	20.8	1,542.0 R	1,338.3	0.0	NA	7.0	7.6	2,915.8 R
1968	27.5	1,518.0 R	1,297.0	0.0	NA	7.5	15.9	2,865.9 R
1969	46.5	1,662.9 R	1,303.4	0.0	NA	7.2	19.7	3,039.7 R
1970	61.4	1,740.7 R	1,296.7	0.0	NA	7.0	14.8	3,120.5 R
1971	56.5	1,834.4 R	1,237.2	0.0	NA	6.8	14.5	3,149.4 R
1972	66.3	1,962.4 R	1,204.3	0.0	NA	11.7	15.0	3,259.7 R
1973	51.6	1,915.6 R	1,109.0	0.0	NA	11.7	39.1	3,127.0 R
1974	56.3	1,795.5 R	1,031.2	0.0	NA	11.3	37.5	2,931.7 R
1975	68.6	1,727.1 R	946.1	0.0	NA	12.0	30.6	2,784.5 R
1976	87.9	1,836.5 R	936.3	0.0	NA	13.3	16.0	2,890.0 R
1977	143.5	1,907.0 R	907.0	0.0	NA	14.5	18.3	2,990.2 R
1978	144.2	1,912.0 R	872.6	0.0	NA	19.1	18.3	2,966.3 R
1979	118.4	2,000.4 R	833.1	0.0	NA	22.8	24.0	2,998.7 R
1980	128.0	2,075.6 R	870.8	0.0	NA	11.2	13.7	3,099.3 R
1981	133.6	2,234.3	893.5	0.0	0.0	11.8	11.7	3,285.0
1982	113.7	2,179.9	920.0	0.0	0.0	14.3	21.8	3,249.8
1983	88.5	2,000.5	919.9	0.0	0.0	12.9	26.3	3,048.1
1984	112.5	2,251.8	976.6	0.0	0.0	15.3	24.4	3,380.6
1985	81.7	2,209.5	943.9	0.0	0.0	15.4	41.6	3,292.1
1986	77.0	2,191.2	864.8	0.0	0.0	14.4	30.8	3,178.2
1987	72.5	2,308.1	779.4	0.0	0.0	15.3	30.7	3,206.0
1988	54.0	2,421.7	747.5	0.0	0.0	16.0	21.1	3,260.3
1989	43.2	2,458.1	681.5	0.0	0.0	25.3	25.0	3,233.1
1990	42.2	2,481.7	651.2	0.0	0.0	21.4	28.5	3,224.9
1991	47.8	2,367.8	626.9	0.0	0.0	21.1	20.2	3,083.8
1992	43.5	2,236.7	590.5	0.0	0.0	19.7	33.6	2,923.9
1993	42.0	2,267.5	560.4	0.0	0.0	22.9	45.0	2,937.9
1994	50.8	2,150.7	527.6	0.0	0.0	24.1	26.0	2,779.2
1995	48.5	2,000.8	507.4	0.0	0.0	24.5	28.8	2,609.9
1996	44.4	1,931.7	495.2	0.0	0.0	29.3	22.4	2,523.0
1997	40.6	1,872.0	483.5	0.0	0.0	25.3	29.9	2,451.3
1998	42.1	1,830.9	450.0	0.0	0.0	24.7	35.9	2,383.5
1999	42.2	1,769.0	409.2	0.0	0.0	22.8	32.5	2,275.7
2000	40.7	1,779.8	405.9	0.0	0.0	24.1	23.3	2,273.7
2001	42.8	1,801.7	397.5	0.0	0.0	24.1	24.3	2,290.3
2002	33.9	1,756.5	385.2	0.0	0.0	20.6	20.3	2,216.5
2003	37.4	1,723.7	376.5	0.0	0.0	23.2	18.8	2,179.6
2004	41.9	1,838.5	371.1	0.0	0.0	26.5	35.6	2,313.5
2005	39.7	1,824.5	355.3	0.0	0.0	26.5	34.8	2,280.8
2006	43.1	1,880.5	372.6	0.0	0.0	27.1	23.2	2,346.4
2007	34.8	1,978.3	364.8	0.0	0.0	25.7	48.6	2,452.2
2008	29.9	2,099.8	390.3	0.0	1.7	12.8	60.8	2,595.4
2009	18.3	2,124.1	389.6	0.0	2.2	18.3	61.1	2,613.5
2010	17.6	2,067.2	407.1	0.0	1.2	30.3	64.6	2,588.0
2011	19.1	2,154.0	473.3	0.0	1.7	30.1	69.2	2,747.3
2012	22.0	2,295.0	584.1 R	0.0	0.0	31.1	88.6	3,020.7 R
2013	25.1	2,282.1	718.1 R	0.0	3.9	33.8	127.4	3,190.2 R
2014	20.6	2,669.3	867.7 R	0.0	3.9 R	31.9	127.2	3,720.6 R
2015	17.4	2,880.1	951.7 R	0.0	3.5	28.0	155.7	4,036.5 R
2016	14.4	2,864.6	888.2 R	0.0	4.5 R	29.9	209.2	4,010.8 R
2017	12.6	2,936.6	949.8 R	0.0	4.6	33.6 R	236.6	4,173.8 R
2018	15.1	3,346.4 R	1,138.7 R	0.0	4.5	36.0 R	268.1	4,808.8 R
2019	5.2	3,689.0	1,206.9	0.0	4.1	34.4	293.8	5,233.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Oregon, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	2	0	NA	NA
1980	0	5	0	NA	NA
1981	0	5	0	0	NA
1982	0	3	0	0	NA
1983	0	3	0	0	NA
1984	0	2,790	0	0	NA
1985	0	4,080	0	0	NA
1986	0	4,600	0	0	NA
1987	0	3,800	0	0	NA
1988	0	4,000	0	0	NA
1989	0	2,500	0	0	NA
1990	0	2,815	0	0	NA
1991	0	2,741	0	0	NA
1992	0	2,580	0	0	NA
1993	0	4,003	0	0	NA
1994	0	3,221	0	0	NA
1995	0	1,923	0	0	NA
1996	0	1,439	0	0	NA
1997	0	1,173	0	0	NA
1998	0	1,067	0	0	NA
1999	0	1,291	0	0	NA
2000	0	1,214	0	0	NA
2001	0	1,110	0	0	0
2002	0	837	0	0	0
2003	0	731	0	0	0
2004	0	467	0	0	0
2005	0	454	0	0	0
2006	0	621	0	0	0
2007	0	409	0	349	0
2008	0	778	0	1,782	0
2009	0	821	0	1,380	3
2010	0	1,407	0	855 R	0
2011	0	1,344	0	832 R	0
2012	0	770	0	802 R	0
2013	0	770	0	882 R	199
2014	0	1,142	0	1,040 R	195
2015	0	848	0	947 R	218 R
2016	0	801	0	904 R	257
2017	0	659	0	970 R	273 R
2018	0	499	0	994 R	290
2019	0	399	0	892	275

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Oregon, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	56.4	134.1	190.5
1961	0.0	0.0	0.0	0.0	NA	55.9	133.0	188.9
1962	0.0	0.0	0.0	0.0	NA	57.1	140.6	197.6
1963	0.0	0.0	0.0	0.0	NA	56.3	142.9	199.2
1964	0.0	0.0	0.0	0.0	NA	58.8	157.0	215.8
1965	0.0	0.0	0.0	0.0	NA	57.8	172.6	230.4
1966	0.0	0.0	0.0	0.0	NA	58.5	174.1	232.6
1967	0.0	0.0	0.0	0.0	NA	56.8	186.3	243.1
1968	0.0	0.0	0.0	0.0	NA	59.1	212.6	271.7
1969	0.0	0.0	0.0	0.0	NA	58.8	291.4	350.2
1970	0.0	0.0	0.0	0.0	NA	57.4	313.9	371.4
1971	0.0	0.0	0.0	0.0	NA	59.2	360.1	419.3
1972	0.0	0.0	0.0	0.0	NA	57.3	378.6	435.9
1973	0.0	0.0	0.0	0.0	NA	58.6	292.4	351.0
1974	0.0	0.0	0.0	0.0	NA	56.9	376.0	432.9
1975	0.0	0.0	0.0	(s)	NA	57.7	359.7	417.4
1976	0.0	0.0	0.0	23.2	NA	67.3	367.0	457.6
1977	0.0	0.0	0.0	69.9	NA	73.3	254.5	397.7
1978	0.0	0.0	0.0	17.1	NA	78.0	330.6	425.8
1979	0.0	(s)	0.0	48.9	NA	78.1	309.2	436.2
1980	0.0	(s)	0.0	58.8	NA	87.2	314.0	460.0
1981	0.0	(s)	0.0	70.9	0.0	92.6	336.2	499.7
1982	0.0	(s)	0.0	53.1	0.0	88.3	472.8	614.2
1983	0.0	(s)	0.0	40.2	0.0	100.0	474.2	614.4
1984	0.0	2.9	0.0	51.3	0.0	103.7	486.9	644.8
1985	0.0	4.2	0.0	73.4	0.0	103.6	426.0	607.2
1986	0.0	4.7	0.0	74.9	0.0	106.8	425.9	612.4
1987	0.0	3.9	0.0	45.4	0.0	107.6	369.5	526.4
1988	0.0	4.1	0.0	67.2	0.0	112.6	358.0	541.9
1989	0.0	2.6	0.0	56.1	0.0	84.5	397.2	540.3
1990	0.0	2.9	0.0	64.3	0.0	57.7	429.7	554.6
1991	0.0	2.8	0.0	15.4	0.0	55.1	429.6	502.8
1992	0.0	2.7	0.0	47.9	0.0	45.4	328.8	424.8
1993	0.0	4.2	0.0	(s)	0.0	43.6	370.6	418.1
1994	0.0	3.4	0.0	0.0	0.0	45.1	322.9	371.3
1995	0.0	2.0	0.0	0.0	0.0	45.9	421.3	469.2
1996	0.0	1.5	0.0	0.0	0.0	52.1	465.3	518.9
1997	0.0	1.2	0.0	0.0	0.0	52.6	478.0	531.8
1998	0.0	1.1	0.0	0.0	0.0	46.1	408.2	455.5
1999	0.0	1.4	0.0	0.0	0.0	40.9	468.9	511.2
2000	0.0	1.2	0.0	0.0	0.0	45.8	390.9	437.9
2001	0.0	1.1	0.0	0.0	0.0	51.5	298.4	351.1
2002	0.0	0.9	0.0	0.0	0.0	45.2	355.5	401.5
2003	0.0	0.7	0.0	0.0	0.0	41.8	342.7	385.2
2004	0.0	0.5	0.0	0.0	0.0	45.5	339.1	385.1
2005	0.0	0.5	0.0	0.0	0.0	45.5	318.5	364.5
2006	0.0	0.6	0.0	0.0	0.0	46.5	386.5	433.7
2007	0.0	0.4	0.0	0.0	2.0	48.5	346.4	397.3
2008	0.0	0.8	0.0	0.0	10.3	43.4	360.7	415.3
2009	0.0	0.8	0.0	0.0	8.0	49.0	358.7	416.5
2010	0.0	1.4	0.0	0.0	4.9 R	54.9	338.9	400.2 R
2011	0.0	1.4	0.0	0.0	4.8 R	52.1	460.5	518.7 R
2012	0.0	0.8	0.0	0.0	4.6 R	55.1	438.8	499.3 R
2013	0.0	0.8	0.0	0.0	6.1 R	65.4	391.9	464.2 R
2014	0.0	1.2	0.0	0.0	7.0 R	65.9	412.5	486.5 R
2015	0.0	0.9	0.0	0.0	6.5 R	74.0	358.4	439.8 R
2016	0.0	0.8	0.0	0.0	6.5 R	70.5 R	391.1	468.9 R
2017	0.0	0.7	0.0	0.0	6.9 R	76.6 R	417.8	502.1 R
2018	0.0	0.5	0.0	0.0	7.2 R	77.9 R	401.8	487.4 R
2019	0.0	0.4	0.0	0.0	6.5	78.9	340.8	426.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Pennsylvania, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	84,242	113,928	6,009	NA	NA
1961	80,098	100,427	5,643	NA	NA
1962	82,209	90,053	5,302	NA	NA
1963	89,768	92,657	5,083	NA	NA
1964	93,715	82,166	5,113	NA	NA
1965	95,174	84,461	4,922	NA	NA
1966	94,384	90,914	4,337	NA	NA
1967	91,668	89,966	4,387	NA	NA
1968	87,661	87,987	4,160	NA	NA
1969	89,104	79,134	4,448	NA	NA
1970	90,220	76,841	4,093	NA	NA
1971	81,562	76,451	3,798	NA	NA
1972	83,045	73,958	3,441	NA	NA
1973	83,233	78,514	3,282	NA	NA
1974	87,079	82,637	3,478	NA	NA
1975	90,340	84,676	3,264	NA	NA
1976	92,005	89,386	3,019	NA	NA
1977	90,500	91,717	2,715	NA	NA
1978	86,514	97,763	2,887	NA	NA
1979	94,062	96,313	2,874	NA	NA
1980	93,125	97,439	2,651	NA	NA
1981	83,506	122,454	3,729	0	NA
1982	79,359	121,111	4,282	0	NA
1983	69,828	118,372	4,282	0	NA
1984	77,494	166,342	4,284	0	NA
1985	71,408	150,234	4,851	0	NA
1986	71,648	159,889	3,783	0	NA
1987	70,423	163,318	3,302	0	NA
1988	70,645	167,089	2,830	0	NA
1989	70,596	191,774	2,698	0	NA
1990	70,514	177,609	2,641	0	NA
1991	65,381	152,500	2,531	0	NA
1992	68,981	138,675	2,137	0	NA
1993	59,700	132,130	2,036	0	NA
1994	62,237	120,506	2,518	0	NA
1995	61,576	111,000	1,939	0	NA
1996	67,942	135,000	1,692	0	NA
1997	76,198	80,000	1,321	0	NA
1998	81,036	130,317	1,980	0	NA
1999	76,399	174,701	1,471	0	NA
2000	74,619	150,000	1,500	0	NA
2001	74,784	130,853	1,620	0	(s)
2002	68,471	157,800	2,324	0	(s)
2003	63,792	159,827	2,466	0	(s)
2004	66,023	197,217	2,396	0	1
2005	67,556	168,501	2,460	0	6
2006	66,178	175,950	2,589	0	80
2007	65,190	182,277	2,788	0	240
2008	65,455	198,295	2,999	0	546
2009	59,143	273,869	2,967	0	494
2010	58,964	572,902	3,238	2,339 R	343
2011	59,899	1,310,592	3,431	2,055 R	459
2012	55,506	2,256,696	4,319	2,076 R	771
2013	55,161	3,259,042	5,303 R	2,523 R	763
2014	61,877	4,257,693	6,849	2,341 R	686
2015	50,872	4,812,983	7,088	2,283 R	592
2016	45,885	5,210,208	6,272	2,474 R	876
2017	49,131	5,453,638	6,562	2,320 R	1,015
2018	49,968	6,264,832 R	6,478	2,212 R	1,521
2019	50,078	6,896,792	6,557	2,559	1,023

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Pennsylvania, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	2,169.8	117.9	34.9	2.7	NA	46.5	19.6	2,391.3
1961	2,060.4	103.9	32.7	3.5	NA	45.3	15.9	2,261.6
1962	2,112.2	93.2	30.8	3.7	NA	45.7	16.0	2,301.6
1963	2,308.1	95.9	29.5	4.2	NA	47.4	13.4	2,498.5
1964	2,413.8	85.0	29.7	0.3	NA	47.2	13.4	2,589.3
1965	2,453.6	87.4	28.5	3.7	NA	47.4	13.9	2,634.5
1966	2,432.4	94.1 R	25.2	6.1	NA	48.6	15.0	2,621.4
1967	2,361.8	93.1	25.4	7.0	NA	48.3	20.0	2,555.5
1968	2,257.7	91.0	24.1	5.3	NA	50.6	12.3	2,441.0
1969	2,303.5	81.9	25.8	4.6	NA	52.2	9.6	2,477.6
1970	2,358.0	79.5	23.7	5.1	NA	53.2	14.3	2,533.8
1971	2,127.4	79.1	22.0	4.8	NA	52.4	8.2	2,293.9 R
1972	2,164.6	76.5	20.0	3.1	NA	54.2	15.9	2,334.3
1973	2,096.9	81.4	19.0	3.9	NA	56.6	14.3	2,272.2
1974	2,150.2	84.7	20.2	78.1	NA	57.5	14.5	2,405.3
1975	2,246.1	86.9	18.9	174.8	NA	57.5	16.4	2,600.5
1976	2,321.3	91.7	17.5	181.4	NA	66.5	14.7	2,693.1
1977	2,270.6	93.7	15.7	191.9	NA	71.7	12.6	2,656.3
1978	2,172.5	100.0	16.7	244.3	NA	82.7	7.9	2,624.0
1979	2,390.8	98.4	16.7	204.5	NA	94.2	12.7	2,817.1
1980	2,370.5	99.7	15.4	131.9	NA	129.2	7.6	2,754.2
1981	2,138.8	125.2	21.6	157.5	0.0	140.8	6.9	2,590.7
1982	2,029.3	124.6	24.8	182.4	0.0	130.5	19.1	2,510.7
1983	1,785.2	121.9	24.8	160.5	0.0	154.8	12.3	2,259.5
1984	1,983.2	172.1	24.8	233.8	0.0	136.9	15.1	2,566.0
1985	1,833.0	155.6	28.1	278.6	0.0	138.1	10.1	2,443.6
1986	1,842.5	166.0	21.9	421.3	0.0	102.0	15.2	2,568.9
1987	1,807.2	169.7	19.2	365.3	0.0	96.2	11.8	2,469.4
1988	1,825.3	173.6	16.4	401.4	0.0	100.9	7.3	2,524.9
1989	1,822.9	199.3	15.6	414.5	0.0	82.5	15.6	2,550.4
1990	1,831.4	184.7	15.3	611.5	0.0	61.4	30.5	2,734.8
1991	1,701.6	158.5	14.7	602.6	0.0	69.5	20.7	2,567.6
1992	1,812.8	144.7	12.4	629.7	0.0	80.2	27.4	2,707.1
1993	1,553.1	137.8	11.8	623.2	0.0	79.5	25.3	2,430.8
1994	1,621.5	125.6	14.6	702.4	0.0	83.0	29.2	2,576.3
1995	1,602.2	115.8	11.2	698.3	0.0	91.5	21.8	2,540.9
1996	1,766.8	140.5	9.8	721.3	0.0	99.0	32.0	2,769.5
1997	1,982.9	83.9	7.7	710.0	0.0	90.8	23.9	2,899.1
1998	2,133.5	136.1	11.5	641.5	0.0	85.3	25.3	3,033.2
1999	1,994.7	182.3	8.5	743.3	0.0	88.4	20.9	3,038.1
2000	1,946.5	156.1	8.7	769.4	0.0	89.2	24.4	2,994.3
2001	1,929.6	139.0	9.4	770.0	(s)	77.6	18.1	2,943.7
2002	1,734.2	164.6	13.5	794.5	(s)	72.5	24.1	2,803.4
2003	1,599.2	167.3	14.3	775.0	(s)	73.8	36.2	2,665.8
2004	1,600.3	206.1	13.9	807.7	(s)	74.4	35.9	2,738.4
2005	1,607.8	176.6	14.3	796.2	(s)	77.6	26.6	2,699.0
2006	1,583.2	184.1	15.0	785.7	0.4	73.8	33.4	2,675.7
2007	1,557.0	190.6	16.2	811.6	1.3	76.6	28.6	2,681.8
2008	1,592.0	207.6	17.4	822.1	3.0	80.5	34.4	2,757.0
2009	1,439.9	286.3	17.2	808.8	2.7	87.1	39.2	2,681.1
2010	1,485.8	600.9	18.8	813.5	15.3 R	99.6	44.3	3,078.2 R
2011	1,511.5	1,374.5	19.9	796.8	14.3 R	111.3	53.4	3,881.6 R
2012	1,390.6	2,369.0	25.1	787.8	16.1 R	105.8	46.9	4,741.1 R
2013	1,379.3	3,452.9	30.8	822.5	18.5 R	120.0	61.7	5,885.7 R
2014	1,566.4	4,521.3	39.7	823.3	17.0 R	115.4	64.9	7,148.1 R
2015	1,278.1	5,119.8	40.5	842.0	16.2 R	122.9	61.4	7,480.9 R
2016	1,168.6	5,525.7	35.9	867.3	18.7 R	117.7 R	60.2	7,794.2 R
2017	1,260.5	5,769.9	37.6	870.2	18.6 R	117.5 R	68.7	8,143.0 R
2018	1,278.1	6,632.7 R	37.0	872.7	20.7 R	121.0 R	78.5 R	9,040.7 R
2019	1,250.9	7,296.2	37.4	869.1	19.9	113.4	68.2	9,655.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Rhode Island, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	4
2009	0	0	0	0	4
2010	0	0	0	0	4
2011	0	0	0	0	5
2012	0	0	0	0	5
2013	0	0	0	0	8
2014	0	0	0	0	7
2015	0	0	0	0	17
2016	0	0	0	0	24
2017	0	0	0	0	29
2018	0	0	0	0	56
2019	0	0	0	0	100

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Rhode Island, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	2.9	0.1	3.0
1961	0.0	0.0	0.0	0.0	NA	2.9	0.1	3.0
1962	0.0	0.0	0.0	0.0	NA	3.1	0.1	3.1
1963	0.0	0.0	0.0	0.0	NA	3.2	(s)	3.2
1964	0.0	0.0	0.0	0.0	NA	3.5	(s)	3.5
1965	0.0	0.0	0.0	0.0	NA	3.5	(s)	3.6
1966	0.0	0.0	0.0	0.0	NA	3.8	(s)	3.8
1967	0.0	0.0	0.0	0.0	NA	4.1	0.1	4.2
1968	0.0	0.0	0.0	0.0	NA	4.2	(s)	4.3
1969	0.0	0.0	0.0	0.0	NA	4.4	(s)	4.4
1970	0.0	0.0	0.0	0.0	NA	5.2	(s)	5.3
1971	0.0	0.0	0.0	0.0	NA	4.8	(s)	4.9
1972	0.0	0.0	0.0	0.0	NA	4.9	0.1	4.9
1973	0.0	0.0	0.0	0.0	NA	5.1	(s)	5.1
1974	0.0	0.0	0.0	0.0	NA	5.0	(s)	5.0
1975	0.0	0.0	0.0	0.0	NA	4.0	(s)	4.1
1976	0.0	0.0	0.0	0.0	NA	4.7	(s)	4.7
1977	0.0	0.0	0.0	0.0	NA	5.3	(s)	5.3
1978	0.0	0.0	0.0	0.0	NA	6.5	(s)	6.6
1979	0.0	0.0	0.0	0.0	NA	7.1	(s)	7.1
1980	0.0	0.0	0.0	0.0	NA	7.3	(s)	7.3
1981	0.0	0.0	0.0	0.0	0.0	6.6	(s)	6.6
1982	0.0	0.0	0.0	0.0	0.0	6.0	(s)	6.1
1983	0.0	0.0	0.0	0.0	0.0	7.4	(s)	7.4
1984	0.0	0.0	0.0	0.0	0.0	4.9	(s)	4.9
1985	0.0	0.0	0.0	0.0	0.0	5.1	0.0	5.1
1986	0.0	0.0	0.0	0.0	0.0	4.7	0.0	4.7
1987	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3
1988	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5
1989	0.0	0.0	0.0	0.0	0.0	3.7	0.1	3.8
1990	0.0	0.0	0.0	0.0	0.0	4.4	0.1	4.5
1991	0.0	0.0	0.0	0.0	0.0	4.4	0.1	4.6
1992	0.0	0.0	0.0	0.0	0.0	4.7	0.1	4.8
1993	0.0	0.0	0.0	0.0	0.0	5.0	0.1	5.2
1994	0.0	0.0	0.0	0.0	0.0	4.9	0.1	5.1
1995	0.0	0.0	0.0	0.0	0.0	4.9	0.1	5.1
1996	0.0	0.0	0.0	0.0	0.0	5.4	0.1	5.6
1997	0.0	0.0	0.0	0.0	0.0	4.2	0.1	4.3
1998	0.0	0.0	0.0	0.0	0.0	4.1	0.1	4.2
1999	0.0	0.0	0.0	0.0	0.0	4.3	0.1	4.4
2000	0.0	0.0	0.0	0.0	0.0	4.4	0.1	4.5
2001	0.0	0.0	0.0	0.0	0.0	3.8	0.1	3.9
2002	0.0	0.0	0.0	0.0	0.0	3.6	0.1	3.7
2003	0.0	0.0	0.0	0.0	0.0	3.7	0.1	3.8
2004	0.0	0.0	0.0	0.0	0.0	3.8	0.1	3.8
2005	0.0	0.0	0.0	0.0	0.0	0.8	0.1	0.9
2006	0.0	0.0	0.0	0.0	0.0	2.5	0.1	2.6
2007	0.0	0.0	0.0	0.0	0.0	2.7	0.1	2.8
2008	0.0	0.0	0.0	0.0	(s)	2.8	0.1	3.0
2009	0.0	0.0	0.0	0.0	(s)	3.4	0.1	3.6
2010	0.0	0.0	0.0	0.0	(s)	3.6	0.2	3.7
2011	0.0	0.0	0.0	0.0	(s)	3.3	0.3	3.7
2012	0.0	0.0	0.0	0.0	(s)	2.7	0.3	3.0
2013	0.0	0.0	0.0	0.0	(s)	2.4	0.3	2.7
2014	0.0	0.0	0.0	0.0	(s)	4.0	0.4	4.4
2015	0.0	0.0	0.0	0.0	0.1	4.3	0.5	4.9
2016	0.0	0.0	0.0	0.0	0.1	3.8	0.8	4.7
2017	0.0	0.0	0.0	0.0	0.2	3.7	2.1	6.0 R
2018	0.0	0.0	0.0	0.0	0.3	3.6	2.7	6.7 R
2019	0.0	0.0	0.0	0.0	0.5	4.2	4.1	8.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, South Carolina, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	302
2007	0	0	0	0	729
2008	0	0	0	0	835
2009	0	0	0	0	7
2010	0	0	0	0	15
2011	0	0	0	0	212
2012	0	0	0	0	310
2013	0	0	0	0	61
2014	0	0	0	0	55
2015	0	0	0	0	60
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, South Carolina, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	43.1	38.8	82.0
1961	0.0	0.0	0.0	0.0	NA	41.8	34.5	76.3
1962	0.0	0.0	0.0	0.0	NA	41.1	32.4	73.5
1963	0.0	0.0	0.0	0.0	NA	41.8	28.0	69.8
1964	0.0	0.0	0.0	0.5	NA	42.0	45.6	88.0
1965	0.0	0.0	0.0	0.9	NA	40.6	36.8	78.2
1966	0.0	0.0	0.0	0.9	NA	40.5	27.2	68.6
1967	0.0	0.0	0.0	0.1	NA	38.5	27.7	66.3
1968	0.0	0.0	0.0	0.0	NA	41.3	28.1	69.4
1969	0.0	0.0	0.0	0.0	NA	41.0	32.3	73.3
1970	0.0	0.0	0.0	0.1	NA	41.0	24.1	65.1
1971	0.0	0.0	0.0	26.2	NA	42.1	36.5	104.7
1972	0.0	0.0	0.0	52.1	NA	42.3	34.7	129.2
1973	0.0	0.0	0.0	67.2	NA	43.3	40.6	151.1
1974	0.0	0.0	0.0	123.4	NA	43.8	36.1	203.3
1975	0.0	0.0	0.0	214.3	NA	41.9	45.9	302.1
1976	0.0	0.0	0.0	197.2	NA	47.9	35.4	280.5
1977	0.0	0.0	0.0	185.6	NA	49.1	31.8	266.5
1978	0.0	0.0	0.0	212.9	NA	50.6	33.2	296.7
1979	0.0	0.0	0.0	198.2	NA	50.5	41.0	289.7
1980	0.0	0.0	0.0	189.8	NA	39.8	31.4	261.0
1981	0.0	0.0	0.0	191.1	0.0	39.0	13.1	243.3
1982	0.0	0.0	0.0	145.7	0.0	43.7	25.4	214.8
1983	0.0	0.0	0.0	279.0	0.0	42.8	32.6	354.4
1984	0.0	0.0	0.0	251.9	0.0	47.1	33.2	332.2
1985	0.0	0.0	0.0	338.1	0.0	47.4	19.2	404.7
1986	0.0	0.0	0.0	376.9	0.0	76.6	13.2	466.7
1987	0.0	0.0	0.0	410.3	0.0	72.6	23.0	505.9
1988	0.0	0.0	0.0	432.0	0.0	75.4	7.0	514.4
1989	0.0	0.0	0.0	431.6	0.0	75.7	21.4	528.6
1990	0.0	0.0	0.0	453.8	0.0	71.7	34.4	559.9
1991	0.0	0.0	0.0	451.9	0.0	75.1	32.6	559.6
1992	0.0	0.0	0.0	476.8	0.0	76.3	34.3	587.5
1993	0.0	0.0	0.0	485.2	0.0	79.7	30.5	595.4
1994	0.0	0.0	0.0	464.8	0.0	83.2	31.4	579.4
1995	0.0	0.0	0.0	516.7	0.0	88.9	35.8	641.4
1996	0.0	0.0	0.0	457.6	0.0	100.2	31.6	589.4
1997	0.0	0.0	0.0	471.3	0.0	101.6	30.3	603.3
1998	0.0	0.0	0.0	511.5	0.0	93.4	36.5	641.5
1999	0.0	0.0	0.0	531.0	0.0	79.6	17.4	628.0
2000	0.0	0.0	0.0	530.7	0.0	76.7	15.8	623.2
2001	0.0	0.0	0.0	520.8	0.0	57.7	12.8	591.4
2002	0.0	0.0	0.0	556.8	0.0	66.3	14.3	637.5
2003	0.0	0.0	0.0	525.5	0.0	66.4	37.3	629.2
2004	0.0	0.0	0.0	533.9	0.0	72.7	24.8	631.4
2005	0.0	0.0	0.0	554.5	0.0	74.5	29.7	658.7
2006	0.0	0.0	0.0	530.1	1.6	80.4	18.2	630.3
2007	0.0	0.0	0.0	558.0	4.0	79.2	15.8	657.0
2008	0.0	0.0	0.0	541.0	4.5	80.5	11.5	637.6
2009	0.0	0.0	0.0	545.4	(s)	79.6	23.3	648.5
2010	0.0	0.0	0.0	543.4	0.1	91.4	23.8	658.7
2011	0.0	0.0	0.0	553.6	1.2	100.6	15.8	671.1
2012	0.0	0.0	0.0	536.0	1.7	103.8	14.2	655.7
2013	0.0	0.0	0.0	566.9	0.3	103.1	30.9	701.2
2014	0.0	0.0	0.0	548.2	0.3	111.5	25.2	685.2
2015	0.0	0.0	0.0	555.9	0.3	103.6	24.7	684.5
2016	0.0	0.0	0.0	583.9	0.0	109.4	21.6	714.9
2017	0.0	0.0	0.0	568.4	0.0	112.9 R	19.6	700.9 R
2018	0.0	0.0	0.0	551.2	0.0	112.1 R	35.0	698.2 R
2019	0.0	0.0	0.0	585.8	0.0	112.1	37.8	735.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, South Dakota, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	20	0	281	NA	NA
1961	18	0	233	NA	NA
1962	0	0	169	NA	NA
1963	0	0	215	NA	NA
1964	0	0	247	NA	NA
1965	0	0	219	NA	NA
1966	0	0	239	NA	NA
1967	0	0	211	NA	NA
1968	0	0	187	NA	NA
1969	0	0	158	NA	NA
1970	0	0	160	NA	NA
1971	0	0	233	NA	NA
1972	0	0	219	NA	NA
1973	0	0	275	NA	NA
1974	0	0	494	NA	NA
1975	0	0	472	NA	NA
1976	0	0	447	NA	NA
1977	0	0	632	NA	NA
1978	0	0	869	NA	NA
1979	0	914	846	NA	NA
1980	0	1,193	765	NA	NA
1981	0	1,155	973	0	NA
1982	0	2,331	1,158	0	NA
1983	0	1,846	1,172	0	NA
1984	0	1,947	1,340	0	NA
1985	0	2,558	1,596	0	NA
1986	0	2,231	1,586	0	NA
1987	0	3,431	1,644	0	NA
1988	0	3,920	1,657	179	NA
1989	0	4,369	1,612	179	NA
1990	0	881	1,648	179	NA
1991	0	882	1,662	179	NA
1992	0	1,456	1,557	179	NA
1993	0	1,306	1,500	195	NA
1994	0	1,437	1,453	308	NA
1995	0	1,252	1,344	308	NA
1996	0	1,329	1,257	308	NA
1997	0	1,598	1,335	282	NA
1998	0	1,620	1,206	350	NA
1999	0	1,566	1,100	366	NA
2000	0	1,652	1,170	390	NA
2001	0	1,100	1,255	590	0
2002	0	1,025	1,214	1,438	0
2003	0	1,103	1,237	3,593	0
2004	0	1,093	1,357	7,338	0
2005	0	992	1,394	9,987	0
2006	0	963	1,390	13,143	31
2007	0	995	1,664	14,163	34
2008	0	1,644	1,700	18,995	25
2009	0	2,129	1,664	22,218	7
2010	0	1,862	1,607	24,545 R	6
2011	0	1,848	1,634	24,250 R	27
2012	0	15,085	1,754	23,403 R	3
2013	0	16,205	1,850	24,398 R	0
2014	0	15,305	1,798	24,945 R	0
2015	0	552	1,663 R	26,658 R	0
2016	0	455	1,406 R	27,026 R	0
2017	0	476	1,304 R	28,199 R	0
2018	0	447 R	1,273	28,987 R	0
2019	0	414	1,166	28,809	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, South Dakota, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.3	0.0	1.6	0.0	NA	1.5	12.4	15.9
1961	0.2	0.0	1.4	0.0	NA	1.4	12.2	15.2
1962	0.0	0.0	1.0	0.0	NA	1.4	15.9	18.2
1963	0.0	0.0	1.2	0.0	NA	1.3	30.5	33.0
1964	0.0	0.0	1.4	0.0	NA	1.3	32.4	35.1
1965	0.0	0.0	1.3	0.0	NA	1.1	40.5	42.9
1966	0.0	0.0	1.4	0.1	NA	1.1	50.5	53.1
1967	0.0	0.0	1.2	0.8	NA	1.2	51.4	54.6
1968	0.0	0.0	1.1	(s)	NA	1.2	58.7	60.9
1969	0.0	0.0	0.9	0.0	NA	1.1	66.3	68.3
1970	0.0	0.0	0.9	0.0	NA	1.1	69.0	71.1
1971	0.0	0.0	1.4	0.0	NA	1.1	81.5	83.9
1972	0.0	0.0	1.3	0.0	NA	1.2	77.1	79.6
1973	0.0	0.0	1.6	0.0	NA	1.3	50.3	53.1
1974	0.0	0.0	2.9	0.0	NA	1.3	59.1	63.3
1975	0.0	0.0	2.7	0.0	NA	1.5	82.5	86.7
1976	0.0	0.0	2.6	0.0	NA	1.7	73.1	77.4
1977	0.0	0.0	3.7	0.0	NA	1.9	55.2	60.8
1978	0.0	0.0	5.0	0.0	NA	2.0	70.8	77.8
1979	0.0	0.9	4.9	0.0	NA	2.0	65.8	73.6
1980	0.0	1.2	4.4	0.0	NA	3.3	60.4	69.4
1981	0.0	1.2	5.6	0.0	0.0	3.1	55.5	65.4
1982	0.0	2.3	6.7	0.0	0.0	3.5	56.7	69.3
1983	0.0	1.9	6.8	0.0	0.0	3.4	58.1	70.2
1984	0.0	2.0	7.8	0.0	0.0	4.0	59.7	73.5
1985	0.0	2.6	9.3	0.0	0.0	4.1	55.7	71.7
1986	0.0	2.2	9.2	0.0	0.0	4.1	59.9	75.4
1987	0.0	3.5	9.5	0.0	0.0	3.6	56.1	72.7
1988	0.0	4.0	9.6	0.0	1.1	3.8	54.6	73.1
1989	0.0	4.4	9.4	0.0	1.1	3.3	47.9	66.1
1990	0.0	0.9	9.6	0.0	1.1	2.2	41.1	54.9
1991	0.0	0.9	9.6	0.0	1.1	2.3	40.1	54.1
1992	0.0	1.5	9.0	0.0	1.1	2.4	37.6	51.6
1993	0.0	1.3	8.7	0.0	1.2	2.1	26.9	40.3
1994	0.0	1.5	8.4	0.0	1.9	2.1	53.1	67.0
1995	0.0	1.3	7.8	0.0	1.9	2.1	62.2	75.3
1996	0.0	1.3	7.3	0.0	1.9	2.2	82.8	95.5
1997	0.0	1.6	7.7	0.0	1.7	1.9	92.4	105.3
1998	0.0	1.6	7.0	0.0	2.1	1.6	59.1	71.5
1999	0.0	1.6	6.4	0.0	2.2	1.7	68.7	80.6
2000	0.0	1.7	6.8	0.0	2.4	1.8	58.7	71.3
2001	0.0	1.1	7.3	0.0	3.6	1.8	35.9	49.7
2002	0.0	1.0	7.0	0.0	8.7	1.7	44.9	63.3
2003	0.0	1.1	7.2	0.0	21.5	1.8	44.4	75.9
2004	0.0	1.1	7.9	0.0	43.6	1.8	38.3	92.7
2005	0.0	1.0	8.1	0.0	59.0	1.5	33.1	102.8
2006	0.0	1.0	8.1	0.0	77.4	1.4	36.0	123.9
2007	0.0	1.0	9.7	0.0	82.9	1.5	31.3	126.3
2008	0.0	1.6	9.9	0.0	110.4	1.7	32.4	156.0
2009	0.0	2.1	9.7	0.0	128.3	2.1	49.0	191.2
2010	0.0	1.9	9.3	0.0	141.4 R	2.3	66.2	221.1 R
2011	0.0	1.9	9.5	0.0	139.4 R	2.6	92.1	245.4 R
2012	0.0	15.4	10.2	0.0	133.9 R	2.3	81.2	243.0 R
2013	0.0	16.8	10.7	0.0	139.2 R	2.8	66.3	235.7 R
2014	0.0	16.0	10.4	0.0	141.9 R	2.8	76.4	247.4 R
2015	0.0	0.6	9.5	0.0	151.1 R	3.0	70.4	234.5 R
2016	0.0	0.5	8.0 R	0.0	152.6 R	2.7	80.5	244.4 R
2017	0.0	0.5	7.5	0.0	158.9 R	2.7 R	77.6	247.1 R
2018	0.0	0.5	7.3	0.0	163.1 R	3.8 R	84.8	259.4 R
2019	0.0	0.5	6.6	0.0	161.4	3.3	97.2	269.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Tennessee, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	5,930	63	20	NA	NA
1961	5,860	71	17	NA	NA
1962	6,214	75	14	NA	NA
1963	6,121	90	16	NA	NA
1964	5,990	77	10	NA	NA
1965	5,865	85	11	NA	NA
1966	6,309	0	7	NA	NA
1967	6,832	58	7	NA	NA
1968	8,148	48	6	NA	NA
1969	8,082	57	32	NA	NA
1970	8,237	64	309	NA	NA
1971	9,271	89	398	NA	NA
1972	11,260	25	198	NA	NA
1973	8,219	20	201	NA	NA
1974	7,541	17	769	NA	NA
1975	8,206	27	682	NA	NA
1976	9,283	47	598	NA	NA
1977	9,433	263	820	NA	NA
1978	10,032	468	593	NA	NA
1979	8,679	941	614	NA	NA
1980	9,900	1,241	743	NA	NA
1981	10,545	1,719	918	0	NA
1982	7,450	2,976	1,132	75	NA
1983	6,640	3,950	1,056	566	NA
1984	7,313	5,022	920	804	NA
1985	7,446	4,686	786	866	NA
1986	6,870	3,464	644	918	NA
1987	6,442	2,707	614	1,007	NA
1988	6,510	2,100	601	1,014	NA
1989	6,480	1,900	532	959	NA
1990	6,193	2,067	506	806	NA
1991	4,290	1,856	485	946	NA
1992	3,476	1,770	501	845	NA
1993	3,047	1,660	419	922	NA
1994	2,987	1,990	417	884	NA
1995	3,221	1,820	383	870	NA
1996	3,651	1,690	381	365	NA
1997	3,300	1,510	367	659	NA
1998	2,696	1,420	287	792	NA
1999	3,037	1,230	344	747	NA
2000	2,669	1,150	346	911	NA
2001	3,324	2,000	351	1,015	0
2002	3,166	2,050	275	1,403	0
2003	2,564	1,803	311	1,675	0
2004	2,887	2,100	361	1,548	0
2005	3,217	2,200	324	1,488	0
2006	2,804	2,663	192	1,501	0
2007	2,654	3,942	284	1,605	215
2008	2,333	4,700	338	1,962	278
2009	1,996	5,478	268	4,072	33
2010	1,780	5,144	257	4,119 R	8
2011	1,547	4,851	296	4,385 R	29
2012	1,090	5,825	371	4,001 R	36
2013	1,098	5,400	334	4,157 R	125 R
2014	839	5,294	330	4,184 R	126 R
2015	897	4,276	296	4,145 R	34
2016	644	3,603	257	4,429 R	46
2017	431	2,982	271	4,455 R	45
2018	232	3,283 R	210	4,376 R	501
2019	436	2,810	201	4,278	741

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Tennessee, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	148.9	0.1	0.1	0.0	NA	45.4	93.4	287.8
1961	147.2	0.1	0.1	0.0	NA	43.5	93.2	284.0
1962	156.0	0.1	0.1	0.0	NA	43.4	101.7	301.3
1963	153.7	0.1	0.1	0.0	NA	46.1	80.9	280.9
1964	150.4	0.1	0.1	0.0	NA	46.4	95.2	292.1
1965	147.3	0.1	0.1	0.0	NA	46.5	91.5	285.4
1966	158.4	0.0	(s)	0.0	NA	49.1	79.5	287.1
1967	171.6	0.1	(s)	0.0	NA	46.9	100.4	319.0
1968	204.6	(s)	(s)	0.0	NA	51.7	80.3	336.7
1969	203.0	0.1	0.2	0.0	NA	53.8	78.1	335.1
1970	206.8	0.1	1.8	0.0	NA	53.8	84.7	347.1
1971	232.8	0.1	2.3	0.0	NA	54.4	98.7	388.3
1972	282.8	(s)	1.1	0.0	NA	57.6	115.5	457.0
1973	197.0	(s)	1.2	0.0	NA	58.9	119.0	376.1
1974	174.8	(s)	4.5	0.0	NA	57.5	122.9	359.7
1975	189.8	(s)	4.0	0.0	NA	54.4	122.9	371.1
1976	221.5	(s)	3.5	0.0	NA	61.8	98.3	385.0
1977	221.4	0.3	4.8	0.0	NA	67.7	108.5	402.7
1978	236.7	0.5	3.4	0.0	NA	72.0	91.0	403.7
1979	209.5	1.0	3.6	0.0	NA	79.8	127.4	421.3
1980	239.0	1.3	4.3	5.7	NA	69.3	91.0	410.6
1981	258.1	1.7	5.3	51.9	0.0	74.8	61.8	453.7
1982	183.9	3.0	6.6	111.9	0.5	81.8	102.1	489.8
1983	166.0	4.0	6.1	153.2	3.6	82.1	104.7	519.8
1984	183.3	5.1	5.3	135.6	5.1	92.4	106.3	533.1
1985	185.2	4.8	4.6	102.7	5.5	93.2	68.3	464.3
1986	171.6	3.6	3.7	(s)	5.8	95.3	55.6	334.5
1987	160.9	2.8	3.6	(s)	6.3	90.4	78.8	341.7
1988	163.5	2.2	3.5	41.8	6.4	95.3	47.4	359.9
1989	162.6	2.0	3.1	165.1	6.0	75.9	123.7	538.4
1990	156.3	2.1	2.9	148.2	5.0	56.5	104.3	475.4
1991	108.0	1.9	2.8	173.9	5.9	60.9	113.6	467.0
1992	88.1	1.8	2.9	163.9	5.2	61.2	103.6	426.8
1993	77.5	1.7	2.4	34.7	5.7	55.1	92.4	269.5
1994	76.2	2.1	2.4	124.7	5.4	56.6	124.2	391.6
1995	82.1	1.9	2.2	165.0	5.3	60.4	99.4	416.4
1996	91.4	1.7	2.2	240.8	2.2	56.0	118.7	512.9
1997	82.7	1.6	2.1	258.7	4.0	47.3	112.8	509.1
1998	67.0	1.5	1.7	297.8	4.8	46.5	110.3	529.6
1999	75.9	1.3	2.0	284.5	4.5	50.0	79.9	498.1
2000	68.0	1.2	2.0	269.3	5.5	52.8	65.3	464.2
2001	84.8	2.1	2.0	298.4	6.1	64.4	71.9	529.7
2002	81.7	2.1	1.6	287.9	8.4	63.5	81.3	526.5
2003	65.6	1.9	1.8	251.7	10.0	58.3	121.7	511.0
2004	73.4	2.2	2.1	298.4	9.2	71.6	104.4	561.2
2005	82.1	2.3	1.9	290.2	8.8	65.0	93.2	543.5
2006	72.0	2.8	1.1	257.5	8.8	57.2	77.5	476.9
2007	67.7	4.1	1.6	301.0	10.5	56.4	49.5	490.9
2008	59.1	4.9	2.0	282.5	12.9	66.2	56.3	483.9
2009	50.3	5.6	1.6	282.0	23.7	55.2	100.4	518.8
2010	45.0	6.0	1.5	289.9	23.8 R	62.7	80.0	508.9 R
2011	38.6	5.6	1.7	281.7	25.3 R	59.8	93.8	506.6 R
2012	28.4	6.6	2.2	263.0	23.1 R	63.5	79.8	466.6 R
2013	28.4	6.2	1.9	297.7	24.4 R	65.5	120.1	544.3 R
2014	21.7	6.0	1.9	289.4	24.5 R	68.1	86.2	497.9 R
2015	23.2	5.0	1.7	261.0	23.7 R	67.0	91.2	472.7 R
2016	16.6	4.2	1.5	309.4	25.3 R	64.0	64.6	485.5 R
2017	11.2	3.5	1.6	332.8	25.3 R	58.4 R	82.4	515.1 R
2018	5.9	3.7 R	1.2	378.2	27.3 R	61.8 R	96.7	574.9 R
2019	11.3	2.9	1.1	373.0	28.0	58.1	94.5	569.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Texas, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	2,098	5,892,704	927,479	NA	NA
1961	2,108	5,963,605	939,191	NA	NA
1962	2,054	6,080,204	943,323	NA	NA
1963	2,180	6,204,853	977,782	NA	NA
1964	2,291	6,525,626	989,520	NA	NA
1965	2,411	6,636,515	1,000,743	NA	NA
1966	2,253	6,913,646	1,056,499	NA	NA
1967	2,153	7,081,374	1,117,319	NA	NA
1968	2,291	7,381,875	1,130,276	NA	NA
1969	2,249	7,724,139	1,148,991	NA	NA
1970	2,310	8,222,947	1,247,486	NA	NA
1971	2,253	8,421,288	1,221,211	NA	NA
1972	4,045	8,504,468	1,299,926	NA	NA
1973	6,944	8,358,520	1,293,084	NA	NA
1974	7,684	8,027,579	1,260,748	NA	NA
1975	11,002	7,377,637	1,220,909	NA	NA
1976	14,063	7,094,881	1,188,150	NA	NA
1977	15,865	6,962,769	1,136,985	NA	NA
1978	20,020	6,298,929	1,072,005	NA	NA
1979	27,180	6,620,547	1,014,716	NA	NA
1980	29,354	6,419,708	968,158	NA	NA
1981	32,814	6,134,670	932,350	1	NA
1982	34,818	5,593,613	908,217	4	NA
1983	38,947	5,093,850	882,911	7	NA
1984	41,145	5,275,243	883,174	9	NA
1985	45,459	5,217,793	869,218	9	NA
1986	48,590	5,097,238	819,595	10	NA
1987	50,529	4,893,761	760,962	11	NA
1988	52,281	5,007,481	735,495	11	NA
1989	53,854	4,894,485	688,169	10	NA
1990	55,755	4,895,982	678,478	9	NA
1991	53,825	4,884,653	682,616	10	NA
1992	55,071	4,812,979	650,623	9	NA
1993	54,567	4,973,525	619,090	0	NA
1994	52,346	5,045,690	590,735	0	NA
1995	52,684	5,046,555	559,646	0	NA
1996	55,164	5,132,207	543,342	0	NA
1997	53,328	5,167,334	536,584	0	NA
1998	52,583	5,227,477	504,662	0	NA
1999	53,072	5,054,486	449,233	0	NA
2000	49,498	5,282,104	443,397	0	NA
2001	45,042	5,282,723	424,297	0	0
2002	45,247	5,141,075	405,776	0	0
2003	47,517	5,243,567	400,664	0	0
2004	45,863	5,067,315	392,714	0	0
2005	45,939	5,276,401	392,601	0	144
2006	45,548	5,548,022	392,481	0	373
2007	41,948	6,123,180	391,261	0	1,036
2008	39,017	6,960,693	405,938	4,495	1,565
2009	35,093	6,818,973	399,327	3,985	1,744
2010	40,982	6,715,294 R	426,767 R	4,984 R	775
2011	45,904	7,112,863 R	529,743 R	5,722 R	2,883
2012	44,178	7,475,495 R	725,259 R	6,737 R	3,010
2013	42,851	7,633,618 R	927,914 R	4,987 R	4,466 R
2014	43,654	7,985,019 R	1,159,332 R	7,308 R	3,245 R
2015	35,918	7,890,459 R	1,260,755 R	8,241 R	3,493 R
2016	39,001	7,225,471 R	1,167,369 R	8,500 R	4,218 R
2017	36,382	7,223,841 R	1,273,558 R	8,663 R	4,659
2018	24,823	8,041,010 R	1,608,926 R	8,266 R	5,409
2019	23,307	9,301,616	1,850,715	7,165	5,096

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production. Prior to 1997, differs from marketed production as reported in EIA's *Natural Gas Annual*, which includes federal offshore production in those years.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Texas, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	26.4	6,602.7	5,379.4	0.0	NA	38.3	11.9	12,058.6
1961	26.5	6,682.1	5,447.3	0.0	NA	38.9	13.1	12,208.0
1962	25.9	6,812.8	5,471.3	0.0	NA	39.3	8.4	12,357.6
1963	27.4	6,952.5	5,671.1	0.0	NA	37.7	5.0	12,693.7
1964	28.8	7,311.9	5,739.2	0.0	NA	39.1	4.7	13,123.8
1965	30.3	7,436.1	5,804.3	0.0	NA	41.2	7.8	13,319.8
1966	28.4	7,746.6	6,127.7	0.0	NA	43.8	8.2	13,954.7
1967	27.1	7,934.6	6,480.4	0.0	NA	43.9	6.0	14,492.1
1968	28.8	8,271.3	6,555.6	0.0	NA	49.1	13.8	14,918.7
1969	28.3	8,654.8	6,664.1	0.0	NA	51.1	13.3	15,411.6
1970	29.1	9,213.7	7,235.4	0.0	NA	52.2	10.6	16,541.0
1971	28.4	9,438.9	7,083.0	0.0	NA	51.3	9.2	16,610.8
1972	50.9	9,550.8	7,539.6	0.0	NA	58.9	8.6	17,208.9
1973	97.2	9,375.6	7,499.9	0.0	NA	60.4	17.7	17,050.8
1974	107.6	9,006.1	7,312.3	0.0	NA	59.7	17.0	16,502.7
1975	144.2	8,282.5	7,081.3	0.0	NA	55.8	20.1	15,583.8
1976	182.7	7,974.3	6,891.3	0.0	NA	64.9	11.1	15,124.2
1977	209.5	7,830.0	6,594.5	0.0	NA	70.4	12.2	14,716.6
1978	265.3	7,085.8	6,217.6	0.0	NA	76.3	7.9	13,652.9
1979	356.5	7,409.5	5,885.4	0.0	NA	77.3	12.4	13,741.1
1980	385.0	7,228.7	5,615.3	0.0	NA	55.6	10.2	13,294.9
1981	418.8	6,967.3	5,407.6	0.0	(s)	58.5	12.0	12,864.2
1982	448.8	6,380.1	5,267.7	0.0	(s)	69.7	10.7	12,177.0
1983	493.0	5,834.4	5,120.9	0.0	(s)	64.1	11.6	11,524.1
1984	515.3	6,098.2	5,122.4	0.0	0.1	76.2	10.8	11,823.0
1985	574.7	6,038.5	5,041.5	0.0	0.1	78.8	14.6	11,748.2
1986	615.5	5,902.4	4,753.7	0.0	0.1	89.7	20.6	11,381.9
1987	640.1	5,671.8	4,413.6	0.0	0.1	94.4	22.5	10,842.4
1988	658.1	5,787.3	4,265.9	40.2	0.1	96.1	12.8	10,860.4
1989	675.3	5,639.0	3,991.4	105.7	0.1	109.8	15.6	10,536.8
1990	706.7	5,653.2	3,935.2	167.8	0.1	96.0	19.3	10,578.2
1991	674.1	5,644.6	3,959.2	207.6	0.1	96.4	23.9	10,605.8
1992	685.5	5,611.2	3,773.6	256.5	0.1	105.8	28.0	10,460.7
1993	683.0	5,727.1	3,590.7	130.3	0.0	98.0	19.2	10,248.3
1994	660.0	5,825.0	3,426.3	300.4	0.0	97.5	16.6	10,325.9
1995	664.5	5,822.5	3,245.9	379.8	0.0	99.5	18.4	10,230.7
1996	709.5	5,898.5	3,151.4	375.7	0.0	98.8	11.7	10,245.6
1997	687.9	5,883.2	3,112.2	392.0	0.0	102.6	20.1	10,198.0
1998	677.0	6,002.8	2,927.0	405.8	0.0	93.7	16.4	10,122.8
1999	672.0	5,767.5	2,605.6	384.1	0.0	78.1	15.9	9,523.2
2000	632.4	5,989.5	2,571.7	391.7	0.0	81.5	14.6	9,681.3
2001	578.7	5,971.8	2,460.9	398.5	0.0	70.7	25.9	9,506.5
2002	581.2	5,844.6	2,353.5	371.9	0.0	81.3	39.7	9,272.3
2003	594.7	5,902.2	2,323.9	348.5	0.0	78.9	36.5	9,284.8
2004	572.5	5,764.5	2,277.7	421.7	0.0	74.8	46.0	9,157.2
2005	595.6	5,973.9	2,277.1	399.0	0.8	80.2	57.4	9,383.9
2006	593.5	6,249.3	2,276.4	430.6	2.0	77.7	74.5	9,704.0
2007	554.7	6,850.7	2,269.3	429.6	5.6	84.5	107.3	10,301.7
2008	515.5	7,711.5	2,354.4	425.7	34.6	100.0	172.4	11,314.1
2009	455.5	7,572.1	2,316.1	434.0	32.5	64.2	208.2	11,082.5
2010	538.3	7,549.4	2,475.2	432.0	32.9 R	85.4	271.6	11,384.9 R
2011	605.3	8,014.1	3,072.5 R	414.9	48.5 R	91.0	306.0	12,552.4 R
2012	578.7	8,523.9	4,206.5 R	402.8	54.9 R	89.8	317.0	14,173.6 R
2013	564.9	8,825.4	5,381.9 R	400.4	52.7 R	95.3	352.6	15,673.1 R
2014	576.8	9,366.4	6,724.1 R	410.9	59.2 R	94.8	391.4	17,623.6 R
2015	471.3	9,392.3	7,207.7 R	411.6	65.7 R	81.4	435.6	18,065.5 R
2016	515.7	8,660.0	6,679.7 R	440.1	70.9 R	80.9	556.9	17,004.2 R
2017	474.3	8,735.2 R	7,288.6 R	403.5	74.1 R	80.5 R	655.3	17,711.5 R
2018	328.8	9,777.0 R	9,180.5 R	430.6	75.9 R	86.7 R	738.2	20,617.8 R
2019	308.4	11,224.1	10,545.4	431.2	67.8	86.4	808.6	23,472.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production. Prior to 1997, differs from marketed production as reported in EIA's *Natural Gas Annual*, which includes federal offshore production in those years.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Utah, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	4,955	51,040	37,594	NA	NA
1961	5,159	57,175	33,118	NA	NA
1962	4,297	74,128	31,029	NA	NA
1963	4,360	77,122	33,435	NA	NA
1964	4,720	80,175	28,575	NA	NA
1965	4,992	71,616	25,298	NA	NA
1966	4,635	69,366	24,112	NA	NA
1967	4,175	48,965	24,048	NA	NA
1968	4,316	46,151	23,504	NA	NA
1969	4,657	46,733	23,295	NA	NA
1970	4,733	42,781	23,370	NA	NA
1971	4,626	42,418	23,630	NA	NA
1972	4,802	39,474	26,570	NA	NA
1973	5,500	42,715	32,656	NA	NA
1974	5,858	50,522	39,363	NA	NA
1975	6,961	55,354	42,301	NA	NA
1976	7,967	57,416	34,304	NA	NA
1977	8,581	60,696	33,113	NA	NA
1978	9,141	58,416	31,368	NA	NA
1979	11,971	58,605	27,728	NA	NA
1980	13,236	87,766	24,978	NA	NA
1981	13,809	91,191	25,860	0	NA
1982	17,029	94,255	22,440	0	NA
1983	11,768	63,158	29,534	0	NA
1984	12,323	74,698	34,689	0	NA
1985	12,780	83,405	40,792	0	NA
1986	14,269	90,013	39,172	0	NA
1987	16,508	87,158	35,788	0	NA
1988	18,163	101,372	33,018	0	NA
1989	20,102	120,089	28,415	0	NA
1990	22,058	145,875	27,604	0	NA
1991	21,945	144,817	24,467	0	NA
1992	21,339	171,293	22,720	0	NA
1993	21,847	225,401	21,821	0	NA
1994	24,399	270,858	20,661	0	NA
1995	25,167	241,290	19,988	0	NA
1996	27,507	250,767	19,401	0	NA
1997	26,683	257,139	19,317	0	NA
1998	26,075	277,340	19,199	0	NA
1999	26,373	262,614	16,253	0	NA
2000	26,656	269,285	15,636	0	NA
2001	26,966	283,913	15,252	0	0
2002	25,304	274,739	13,771	0	0
2003	23,069	268,058	13,097	0	0
2004	21,746	277,969	14,744	0	0
2005	24,521	301,223	16,673	0	0
2006	26,018	348,320	17,927	0	0
2007	24,307	376,409	19,535	0	0
2008	24,365	433,566	22,039	0	0
2009	21,718	444,162	22,942	0	0
2010	19,351	432,045	24,663	0	0
2011	19,648	457,525	26,305	0	0
2012	17,016	490,393	30,210	0	85
2013	16,977	470,863	35,016	0	24
2014	17,934	454,545	40,909	0	124
2015	14,419	417,020	37,136	0	2
2016	13,970	365,269	30,528	0	0
2017	14,326	315,211	34,438	0	0
2018	13,619	295,826 R	37,117 R	0	0
2019	14,405	271,870	36,695	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Utah, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	114.7	51.2	218.0	0.0	NA	2.2	3.3	389.4 R
1961	119.4	57.3 R	192.1	0.0	NA	2.1	2.5	373.4 R
1962	99.5	74.3 R	180.0	0.0	NA	2.0	4.1	360.0
1963	100.9	77.3 R	193.9	0.0	NA	2.0	3.7	377.9 R
1964	109.3	80.4 R	165.7	0.0	NA	2.1	8.0	365.5 R
1965	115.5	71.8 R	146.7	0.0	NA	2.0	9.5	345.6 R
1966	107.3	69.6	139.9	0.0	NA	1.9	8.2	326.9
1967	96.6	49.1	139.5	0.0	NA	2.1	11.2	298.5
1968	99.9	46.3	136.3	0.0	NA	2.2	10.6	295.3
1969	107.8	46.9	135.1	0.0	NA	2.3	11.7	303.7 R
1970	109.6	42.9	135.5	0.0	NA	2.3	7.8	298.1
1971	107.1	47.4 R	137.1	0.0	NA	2.3	10.3	304.1 R
1972	111.1	43.8 R	154.1	0.0	NA	2.5	12.7	324.3
1973	134.3	47.2 R	189.4	0.0	NA	3.1	11.5	385.6 R
1974	142.1	55.8 R	228.3	0.0	NA	2.6	9.8	438.6 R
1975	165.9	59.4	245.3	0.0	NA	2.9	11.2	484.7 R
1976	179.1	61.9	199.0	0.0	NA	3.3	11.7	454.9
1977	198.6	65.9	192.1	0.0	NA	3.8	7.9	468.2 R
1978	210.6	62.2	181.9	0.0	NA	4.5	7.6	466.8
1979	280.2	64.8 R	160.8	0.0	NA	5.3	8.3	519.4 R
1980	309.8	104.2	144.9	0.0	NA	4.5	8.5	571.9
1981	319.6	108.9	150.0	0.0	0.0	5.9	6.5	590.9
1982	396.5	97.1	130.2	0.0	0.0	6.0	10.7	640.5
1983	271.8	76.0	171.3	0.0	0.0	6.5	14.7	540.2
1984	285.3	88.1	201.2	0.0	0.0	6.7	14.9	596.2
1985	301.1	96.8	236.6	0.0	0.0	6.9	11.8	653.2
1986	331.5	104.5	227.2	0.0	0.0	6.5	16.5	686.2
1987	383.6	116.2	207.6	0.0	0.0	3.6	10.6	721.6
1988	420.4	145.9	191.5	0.0	0.0	3.9	7.9	769.6
1989	459.8	161.3	164.8	0.0	0.0	3.5	8.1	797.6
1990	511.4	188.7	160.1	0.0	0.0	3.4	7.3	871.0
1991	508.0	179.9	141.9	0.0	0.0	3.6	8.9	842.3
1992	493.0	204.2	131.8	0.0	0.0	3.8	8.6	841.4
1993	506.8	265.7	126.6	0.0	0.0	3.7	10.8	913.7
1994	566.9	311.4	119.8	0.0	0.0	3.6	10.3	1,012.0
1995	586.4	278.9	115.9	0.0	0.0	3.6	12.0	996.8
1996	640.4	278.1	112.5	0.0	0.0	3.8	13.4	1,048.2
1997	616.4	294.7	112.0	0.0	0.0	4.4	16.0	1,043.5
1998	600.8	308.4	111.4	0.0	0.0	3.9	15.6	1,040.1
1999	620.4	294.2	94.3	0.0	0.0	5.4	15.0	1,029.2
2000	631.3	301.3	90.7	0.0	0.0	5.7	9.7	1,038.6
2001	640.6	316.0	88.5	0.0	0.0	3.4	7.5	1,055.9
2002	586.9	295.0	79.9	0.0	0.0	3.4	7.5	972.7
2003	536.2	289.6	76.0	0.0	0.0	3.4	6.8	912.0
2004	490.1	297.9	85.5	0.0	0.0	3.5	7.1	884.1
2005	554.2	321.5	96.7	0.0	0.0	3.2	10.4	986.0
2006	593.3	372.1	104.0	0.0	0.0	3.2	10.0	1,082.6
2007	556.4	400.0	113.3	0.0	0.0	3.3	7.7	1,080.7
2008	564.1	463.7	127.8	0.0	0.0	3.8	10.2	1,169.6
2009	502.6	475.2	133.1	0.0	0.0	2.7	13.3	1,126.8
2010	445.7	466.0	143.0	0.0	0.0	3.0	14.7	1,072.4
2011	453.9	496.6	152.6	0.0	0.0	2.7	21.7	1,127.4
2012	387.1	534.1	175.2	0.0	0.5	2.5	18.0	1,117.5
2013	385.7	516.2	203.1	0.0	0.1	2.9	14.1	1,122.2
2014	411.0	501.3	237.3	0.0	0.7	3.1	18.5	1,171.8
2015	325.2	461.2	212.3	0.0	(s)	5.2	18.8	1,022.7
2016	310.5	401.9	174.7	0.0	0.0	5.5	31.1	923.6
2017	317.8	346.9	197.1	0.0	0.0	5.1	48.2	915.0
2018	305.3	326.3 R	211.8 R	0.0	0.0	5.9	44.4	893.8 R
2019	326.0	299.6	209.1	0.0	0.0	5.9	42.3	882.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Vermont, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	0	NA
1996	0	0	0	0	NA
1997	0	0	0	0	NA
1998	0	0	0	0	NA
1999	0	0	0	0	NA
2000	0	0	0	0	NA
2001	0	0	0	0	0
2002	0	0	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
2005	0	0	0	0	0
2006	0	0	0	0	0
2007	0	0	0	0	0
2008	0	0	0	0	0
2009	0	0	0	0	0
2010	0	0	0	0	0
2011	0	0	0	0	0
2012	0	0	0	0	0
2013	0	0	0	0	0
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Vermont, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	7.9	9.4	17.3
1961	0.0	0.0	0.0	0.0	NA	7.1	8.2	15.4
1962	0.0	0.0	0.0	0.0	NA	7.3	8.4	15.7
1963	0.0	0.0	0.0	0.0	NA	6.8	7.2	14.0
1964	0.0	0.0	0.0	0.0	NA	6.6	6.9	13.5
1965	0.0	0.0	0.0	0.0	NA	6.9	7.5	14.4
1966	0.0	0.0	0.0	0.0	NA	6.8	8.8	15.6
1967	0.0	0.0	0.0	0.0	NA	6.7	8.5	15.2
1968	0.0	0.0	0.0	0.0	NA	6.9	8.2	15.1
1969	0.0	0.0	0.0	0.0	NA	6.7	9.4	16.1
1970	0.0	0.0	0.0	0.0	NA	6.5	8.2	14.7
1971	0.0	0.0	0.0	0.0	NA	6.8	7.8	14.6
1972	0.0	0.0	0.0	1.8	NA	6.2	9.8	17.8
1973	0.0	0.0	0.0	17.4	NA	6.1	11.0	34.6
1974	0.0	0.0	0.0	27.7	NA	5.8	10.4	43.8
1975	0.0	0.0	0.0	39.2	NA	6.6	9.8	55.6
1976	0.0	0.0	0.0	36.0	NA	8.0	11.3	55.3
1977	0.0	0.0	0.0	38.1	NA	9.4	10.0	57.5
1978	0.0	0.0	0.0	35.5	NA	11.5	9.1	56.0
1979	0.0	0.0	0.0	37.5	NA	12.7	9.6	59.9
1980	0.0	0.0	0.0	32.5	NA	14.4	8.4	55.4
1981	0.0	0.0	0.0	39.4	0.0	14.3	10.5	64.2
1982	0.0	0.0	0.0	46.2	0.0	13.8	8.8	68.9
1983	0.0	0.0	0.0	31.3	0.0	16.0	10.6	57.9
1984	0.0	0.0	0.0	36.2	0.0	16.1	9.9	62.2
1985	0.0	0.0	0.0	31.9	0.0	17.3	9.6	58.7
1986	0.0	0.0	0.0	21.8	0.0	13.0	10.9	45.6
1987	0.0	0.0	0.0	36.9	0.0	12.8	10.4	60.1
1988	0.0	0.0	0.0	43.6	0.0	12.6	9.1	65.3
1989	0.0	0.0	0.0	38.2	0.0	9.1	10.9	58.2
1990	0.0	0.0	0.0	38.3	0.0	5.3	14.2	57.8
1991	0.0	0.0	0.0	43.1	0.0	6.3	11.0	60.4
1992	0.0	0.0	0.0	39.1	0.0	6.5	9.5	55.1
1993	0.0	0.0	0.0	35.4	0.0	8.1	10.1	53.7
1994	0.0	0.0	0.0	45.1	0.0	8.3	10.7	64.2
1995	0.0	0.0	0.0	40.5	0.0	9.1	10.0	59.7
1996	0.0	0.0	0.0	39.9	0.0	9.1	12.8	61.8
1997	0.0	0.0	0.0	44.8	0.0	9.0	10.9	64.7
1998	0.0	0.0	0.0	35.2	0.0	8.1	12.2	55.5
1999	0.0	0.0	0.0	42.4	0.0	8.4	12.4	63.2
2000	0.0	0.0	0.0	47.4	0.0	8.8	12.6	68.8
2001	0.0	0.0	0.0	43.6	0.0	8.0	9.3	60.9
2002	0.0	0.0	0.0	41.4	0.0	11.2	11.5	64.1
2003	0.0	0.0	0.0	46.3	0.0	12.2	11.8	70.4
2004	0.0	0.0	0.0	40.2	0.0	10.0	12.1	62.3
2005	0.0	0.0	0.0	42.5	0.0	12.1	12.3	66.8
2006	0.0	0.0	0.0	53.3	0.0	12.4	15.2	80.9
2007	0.0	0.0	0.0	49.3	0.0	12.1	6.6	68.0
2008	0.0	0.0	0.0	51.2	0.0	12.1	14.9	78.2
2009	0.0	0.0	0.0	56.1	0.0	16.8	14.7	87.6
2010	0.0	0.0	0.0	50.0	0.0	19.0	13.4	82.4
2011	0.0	0.0	0.0	51.4	0.0	16.2	14.4	81.9
2012	0.0	0.0	0.0	52.3	0.0	14.0	12.3	78.6
2013	0.0	0.0	0.0	50.6	0.0	18.3	15.0	84.0
2014	0.0	0.0	0.0	52.9	0.0	18.0	14.8	85.8
2015	0.0	0.0	0.0	0.0	0.0	24.1	14.7	38.8
2016	0.0	0.0	0.0	0.0	0.0	21.6	14.0	35.6
2017	0.0	0.0	0.0	0.0	0.0	21.1 R	16.7	37.8
2018	0.0	0.0	0.0	0.0	0.0	24.3	17.2	41.5
2019	0.0	0.0	0.0	0.0	0.0	22.9	18.1	41.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Virginia, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	27,838	2,227	2	NA	NA
1961	30,332	2,466	2	NA	NA
1962	29,474	2,499	3	NA	NA
1963	30,531	2,085	3	NA	NA
1964	31,653	1,609	6	NA	NA
1965	34,053	3,152	4	NA	NA
1966	35,565	4,249	1	NA	NA
1967	36,721	3,818	3	NA	NA
1968	36,966	3,389	3	NA	NA
1969	35,555	2,846	1	NA	NA
1970	35,016	2,805	1	NA	NA
1971	30,628	2,619	1	NA	NA
1972	34,028	2,787	0	NA	NA
1973	33,961	5,101	0	NA	NA
1974	34,326	7,096	3	NA	NA
1975	35,510	6,723	3	NA	NA
1976	39,996	6,937	3	NA	NA
1977	37,624	8,220	2	NA	NA
1978	31,946	8,492	2	NA	NA
1979	37,119	8,544	4	NA	NA
1980	41,009	7,812	10	NA	NA
1981	41,978	8,903	13	11	NA
1982	39,778	6,880	49	38	NA
1983	35,027	4,346	65	72	NA
1984	40,368	8,901	32	87	NA
1985	40,940	15,041	26	93	NA
1986	41,178	15,427	18	99	NA
1987	44,543	19,223	17	108	NA
1988	45,886	18,424	25	109	NA
1989	43,006	17,935	23	103	NA
1990	46,917	14,774	16	87	NA
1991	41,954	14,906	13	102	NA
1992	43,024	24,733	12	91	NA
1993	39,317	37,840	12	97	NA
1994	37,129	50,259	11	93	NA
1995	34,099	49,818	11	79	NA
1996	35,590	54,290	13	28	NA
1997	35,837	58,249	10	43	NA
1998	33,747	57,263	5	43	NA
1999	32,294	72,189	8	33	NA
2000	32,834	71,545	9	31	NA
2001	33,060	71,543	11	25	0
2002	30,126	76,915	25	22	0
2003	31,771	143,644	18	13	4
2004	31,647	85,508	19	0	27
2005	27,964	88,610	26	0	67
2006	29,872	103,027	17	0	166
2007	25,462	112,057	19	0	187
2008	24,748	128,454	16	0	95
2009	21,175	140,738	12	0	71
2010	22,385	147,255	12	0	52
2011	22,523	151,094	11	0	48
2012	18,976	146,405	9	0	48
2013	17,049	139,382	10	0	79
2014	15,507	133,661	14	897 R	57
2015	14,321	127,586	11	1,012 R	48
2016	13,359	120,288	7	562 R	79
2017	13,702	115,452	7	1,265 R	81
2018	13,012	111,476	5	1,086 R	129
2019	12,469	106,366	6	93	60

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Virginia, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	752.4	2.3	(s)	0.0	NA	56.1	13.6	824.4
1961	818.7	2.5	(s)	0.0	NA	53.9	12.6	887.7
1962	794.6	2.6	(s)	0.0	NA	54.3	13.3	864.9
1963	823.7	2.1	(s)	0.0	NA	55.1	9.2	890.1
1964	855.4	1.7	(s)	0.0	NA	54.6	9.0	920.7
1965	921.1	3.2	(s)	0.0	NA	54.2	9.2	987.8
1966	961.7	4.4	(s)	0.0	NA	56.1	8.0	1,030.1
1967	992.7	3.9	(s)	0.0	NA	53.4	8.4	1,058.4
1968	999.0	3.5	(s)	0.0	NA	55.7	8.2	1,066.3
1969	964.5	2.9	(s)	0.0	NA	56.8	7.4	1,031.5
1970	960.3	2.9	(s)	0.0	NA	55.5	7.3	1,025.9
1971	838.2	2.7	(s)	0.0	NA	54.6	11.8	907.3
1972	930.6	2.9	0.0	4.8	NA	55.9	14.6	1,008.8
1973	867.1	5.2	0.0	74.8	NA	55.5	13.7	1,016.3
1974	862.1	7.3	(s)	66.4	NA	54.8	11.3	1,001.9
1975	886.8	6.9	(s)	98.8	NA	53.2	13.6	1,059.3
1976	1,020.4	7.1	(s)	85.5	NA	66.8	9.2	1,189.0
1977	947.7	8.4	(s)	102.1	NA	66.4	7.4	1,132.0
1978	803.2	8.7	(s)	154.2	NA	73.1	13.3	1,052.5
1979	961.0	8.7	(s)	76.8	NA	79.2	16.0	1,141.7
1980	1,063.3	7.9	0.1	125.1	NA	76.3	9.3	1,282.0
1981	1,104.5	9.1	0.1	196.5	0.1	75.4	3.8	1,389.5
1982	1,048.6	7.1	0.3	192.9	0.2	83.4	9.8	1,342.3
1983	933.6	4.5	0.4	203.6	0.5	82.7	12.7	1,238.0
1984	1,079.4	9.2	0.2	184.8	0.6	90.0	12.3	1,376.6
1985	1,100.9	15.6	0.2	236.9	0.6	90.5	8.8	1,453.5
1986	1,106.1	16.0	0.1	224.4	0.6	82.2	0.8	1,430.3
1987	1,194.0	20.0	0.1	189.5	0.7	76.4	8.7	1,489.4
1988	1,244.0	19.2	0.1	223.0	0.7	79.7	(s)	1,564.8
1989	1,155.1	18.7	0.1	151.0	0.6	91.3	4.6	1,421.4
1990	1,276.2	15.4	0.1	252.1	0.5	90.4	13.9	1,648.6
1991	1,131.3	15.5	0.1	250.4	0.6	94.5	11.6	1,504.0
1992	1,159.7	25.7	0.1	244.3	0.6	98.1	11.6	1,540.0
1993	1,046.5	39.5	0.1	238.3	0.6	104.8	13.9	1,443.7
1994	987.6	52.2	0.1	265.8	0.6	109.9	12.2	1,428.2
1995	913.5	51.4	0.1	264.1	0.5	115.4	10.6	1,355.5
1996	946.7	56.4	0.1	276.1	0.2	121.0	15.2	1,415.6
1997	956.4	60.8	0.1	284.2	0.3	112.5	10.9	1,425.1
1998	906.0	59.7	(s)	285.7	0.3	109.2	13.6	1,374.5
1999	854.7	74.9	(s)	295.7	0.2	112.5	7.5	1,345.7
2000	870.0	74.0	0.1	295.4	0.2	106.1	7.8	1,353.6
2001	863.9	74.2	0.1	269.0	0.2	81.6	11.1	1,300.0
2002	793.4	79.5	0.1	285.5	0.1	67.4	9.5	1,235.7
2003	827.9	148.8	0.1	258.6	0.1	85.3	18.9	1,339.7
2004	817.8	88.1	0.1	295.3	0.1	94.0	16.8	1,312.2
2005	716.6	92.2	0.2	291.4	0.4	110.9	15.9	1,227.4
2006	768.4	106.5	0.1	287.9	0.9	104.1	14.6	1,282.7
2007	656.3	116.0	0.1	286.0	1.0	103.0	13.8	1,176.2
2008	623.3	133.3	0.1	291.9	0.5	105.8	11.6	1,166.6
2009	535.6	145.8	0.1	295.1	0.4	98.6	16.3	1,091.8
2010	564.3	151.4	0.1	277.7	0.3	93.8	16.7	1,104.3
2011	562.8	155.2	0.1	267.3	0.3	90.6	14.1	1,090.3
2012	493.4	151.4	0.1	301.0	0.3	89.9	12.3	1,048.2
2013	456.8	144.4	0.1	306.4	0.4	103.6	14.3	1,026.0
2014	393.2	139.8	0.1	316.1	5.4 R	118.9	11.5	985.1 R
2015	365.8	134.2	0.1	293.5	6.0 R	118.3	13.3	931.1 R
2016	335.6	126.7	(s)	311.0	3.6 R	119.8 R	16.4	913.0 R
2017	343.6	121.6	(s)	319.6	7.6 R	117.3 R	16.0	925.7 R
2018	318.9	117.3	(s)	305.8	6.8 R	127.0 R	26.0	901.9 R
2019	320.3	111.9	(s)	308.0	0.8	116.4	25.4	882.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Washington, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	228	0	1	NA	NA
1961	191	0	0	NA	NA
1962	235	0	0	NA	NA
1963	190	0	0	NA	NA
1964	68	0	0	NA	NA
1965	55	0	0	NA	NA
1966	59	0	0	NA	NA
1967	59	0	0	NA	NA
1968	178	0	0	NA	NA
1969	58	0	0	NA	NA
1970	37	0	0	NA	NA
1971	1,134	0	0	NA	NA
1972	2,634	0	0	NA	NA
1973	3,270	0	0	NA	NA
1974	3,913	0	0	NA	NA
1975	3,743	0	0	NA	NA
1976	4,109	0	0	NA	NA
1977	5,057	0	0	NA	NA
1978	4,708	0	0	NA	NA
1979	5,072	0	0	NA	NA
1980	5,140	0	0	NA	NA
1981	4,635	0	0	14	NA
1982	4,164	0	0	46	NA
1983	3,891	0	0	86	NA
1984	3,872	0	0	103	NA
1985	4,438	0	0	111	NA
1986	4,601	0	0	118	NA
1987	4,449	0	0	130	NA
1988	5,170	0	0	130	NA
1989	5,039	0	0	123	NA
1990	5,001	0	0	104	NA
1991	5,143	0	0	122	NA
1992	5,251	0	0	109	NA
1993	4,739	0	0	119	NA
1994	4,893	0	0	114	NA
1995	4,868	0	0	98	NA
1996	4,565	0	0	36	NA
1997	4,495	0	0	55	NA
1998	4,638	0	0	56	NA
1999	4,101	0	0	44	NA
2000	4,270	0	0	44	NA
2001	4,624	0	0	39	0
2002	5,827	0	0	40	0
2003	6,232	0	0	32	0
2004	5,653	0	0	16	0
2005	5,266	0	0	10	0
2006	2,580	0	0	0	0
2007	0	0	0	0	312
2008	0	0	0	0	550
2009	0	0	0	0	146
2010	0	0	0	0	172
2011	0	0	0	0	861
2012	0	0	0	0	546
2013	0	0	0	0	1,119
2014	0	0	0	0	1,097
2015	0	0	0	0	1,335 R
2016	0	0	0	0	1,541
2017	0	0	0	0	1,694 R
2018	0	0	0	0	1,850
2019	0	0	0	0	1,808

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Washington, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	3.7	0.0	(s)	0.0	NA	58.5	369.6	431.8
1961	3.1	0.0	0.0	0.0	NA	57.9	397.9	458.9
1962	3.8	0.0	0.0	0.0	NA	59.1	417.6	480.5
1963	3.1	0.0	0.0	0.0	NA	62.3	452.0	517.4
1964	1.1	0.0	0.0	0.0	NA	65.3	492.1	558.5
1965	0.9	0.0	0.0	0.0	NA	66.3	515.3	582.4
1966	1.0	0.0	0.0	11.5	NA	67.1	550.1	629.7
1967	1.0	0.0	0.0	23.3	NA	63.6	614.4	702.3
1968	2.9	0.0	0.0	44.1	NA	67.3	669.0	783.2
1969	0.9	0.0	0.0	40.5	NA	67.2	705.6	814.2
1970	0.6	0.0	0.0	28.7	NA	66.5	729.6	825.4
1971	18.5	0.0	0.0	27.7	NA	67.2	750.1	863.4
1972	42.9	0.0	0.0	31.5	NA	67.0	787.6	929.0
1973	53.0	0.0	0.0	48.3	NA	66.2	717.0	884.5
1974	63.4	0.0	0.0	43.4	NA	65.2	861.4	1,033.3
1975	60.6	0.0	0.0	36.4	NA	64.3	871.1	1,032.4
1976	66.6	0.0	0.0	26.6	NA	71.4	979.8	1,144.3
1977	81.9	0.0	0.0	46.5	NA	78.3	695.2	901.9
1978	76.3	0.0	0.0	45.3	NA	81.0	921.2	1,123.8
1979	82.2	0.0	0.0	39.3	NA	77.5	823.2	1,022.1
1980	83.3	0.0	0.0	22.3	NA	88.3	863.4	1,057.2
1981	75.1	0.0	0.0	22.5	0.1	94.9	979.5	1,172.1
1982	67.5	0.0	0.0	40.2	0.3	91.1	916.9	1,115.9
1983	63.0	0.0	0.0	38.1	0.6	104.4	900.1	1,106.3
1984	62.7	0.0	0.0	57.6	0.7	110.3	871.0	1,102.3
1985	71.9	0.0	0.0	85.4	0.7	112.0	805.0	1,075.0
1986	74.5	0.0	0.0	89.3	0.7	117.7	824.8	1,107.1
1987	72.1	0.0	0.0	57.7	0.8	122.5	727.5	980.6
1988	84.2	0.0	0.0	63.6	0.8	127.4	707.3	983.3
1989	81.7	0.0	0.0	64.7	0.8	108.2	746.6	1,002.0
1990	81.1	0.0	0.0	60.8	0.6	93.4	910.3	1,146.2
1991	82.3	0.0	0.0	44.3	0.8	73.9	932.8	1,134.1
1992	83.2	0.0	0.0	59.6	0.7	95.4	707.1	945.9
1993	74.9	0.0	0.0	74.9	0.7	96.5	694.4	941.5
1994	77.2	0.0	0.0	70.4	0.7	96.3	677.0	921.6
1995	78.4	0.0	0.0	72.9	0.6	90.1	851.3	1,093.4
1996	72.1	0.0	0.0	58.7	0.2	89.7	1,019.3	1,239.9
1997	71.3	0.0	0.0	65.5	0.3	94.2	1,064.5	1,295.8
1998	72.8	0.0	0.0	72.6	0.3	87.1	814.5	1,047.4
1999	64.0	0.0	0.0	63.6	0.3	89.1	992.5	1,209.4
2000	66.5	0.0	0.0	89.7	0.3	89.2	819.4	1,065.1
2001	72.1	0.0	0.0	86.2	0.2	92.7	566.2	817.4
2002	91.3	0.0	0.0	94.5	0.2	87.6	800.0	1,073.7
2003	97.7	0.0	0.0	79.4	0.2	95.7	733.3	1,006.3
2004	90.0	0.0	0.0	93.7	0.1	92.6	725.0	1,001.3
2005	82.7	0.0	0.0	86.0	0.1	81.3	726.4	976.4
2006	40.3	0.0	0.0	97.3	0.0	103.7	824.5	1,065.9
2007	0.0	0.0	0.0	85.1	1.7	79.1	804.1	969.9
2008	0.0	0.0	0.0	96.9	3.0	77.3	802.0	979.1
2009	0.0	0.0	0.0	69.4	0.8	84.3	747.7	902.2
2010	0.0	0.0	0.0	96.6	0.9	107.6	713.7	918.8
2011	0.0	0.0	0.0	50.3	4.7	104.4	954.4	1,113.8
2012	0.0	0.0	0.0	97.8	3.0	101.3	915.6	1,117.6
2013	0.0	0.0	0.0	88.4	6.1	108.0	814.0	1,016.4
2014	0.0	0.0	0.0	99.3	6.0	108.6	826.4	1,040.3
2015	0.0	0.0	0.0	85.3	7.3 R	113.3	751.8	957.7 R
2016	0.0	0.0	0.0	100.7	8.4	122.8 R	799.6	1,031.4 R
2017	0.0	0.0	0.0	85.0	9.2	117.7 R	823.3	1,035.2 R
2018	0.0	0.0	0.0	101.5	10.0	116.7 R	810.9	1,039.2 R
2019	0.0	0.0	0.0	92.6	9.8	118.4	650.8	871.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, West Virginia, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	118,944	208,757	2,300	NA	NA
1961	113,074	210,556	2,760	NA	NA
1962	118,499	210,698	3,470	NA	NA
1963	132,568	210,223	3,350	NA	NA
1964	141,408	203,872	3,370	NA	NA
1965	149,191	207,416	3,530	NA	NA
1966	149,681	211,610	3,674	NA	NA
1967	153,749	211,460	3,561	NA	NA
1968	145,921	236,971	3,312	NA	NA
1969	141,011	231,759	3,104	NA	NA
1970	144,072	242,452	3,124	NA	NA
1971	118,258	234,027	2,969	NA	NA
1972	123,743	214,951	2,677	NA	NA
1973	115,448	208,676	2,385	NA	NA
1974	102,462	202,306	2,665	NA	NA
1975	109,283	154,484	2,479	NA	NA
1976	108,834	153,322	2,519	NA	NA
1977	95,433	152,767	2,518	NA	NA
1978	85,314	148,564	2,382	NA	NA
1979	113,126	150,505	2,406	NA	NA
1980	121,584	156,551	2,336	NA	NA
1981	112,814	161,251	3,473	0	NA
1982	128,540	150,850	3,227	0	NA
1983	115,049	130,078	3,628	0	NA
1984	131,008	143,730	3,524	0	NA
1985	127,764	144,883	3,555	0	NA
1986	129,907	135,431	3,145	0	NA
1987	136,676	160,000	2,835	0	NA
1988	145,005	174,942	2,621	0	NA
1989	153,580	177,192	2,243	0	NA
1990	169,205	178,000	2,143	0	NA
1991	167,352	198,605	1,963	0	NA
1992	162,164	182,000	2,068	0	NA
1993	130,525	171,024	2,048	0	NA
1994	161,776	183,773	1,918	0	NA
1995	162,997	186,231	1,948	0	NA
1996	170,433	169,839	1,680	0	NA
1997	173,743	172,268	1,509	0	NA
1998	171,145	180,000	1,471	0	NA
1999	157,978	176,015	1,471	0	NA
2000	158,257	264,139	1,400	0	NA
2001	162,631	191,889	1,226	0	0
2002	150,222	190,249	1,456	0	0
2003	139,755	187,723	1,481	0	0
2004	148,017	197,217	1,735	0	0
2005	153,655	221,108	1,696	0	0
2006	152,374	225,530	1,726	0	0
2007	153,522	231,184	1,992	0	3
2008	157,805	244,880	2,126	0	29
2009	137,038	264,436	1,501	0	13
2010	135,306	265,174	1,842	0	0
2011	134,785	394,125	2,146	0	0
2012	120,449	539,861	2,573	0	0
2013	112,876	741,853	7,239	0	0
2014	112,187	1,067,114	10,330	0	0
2015	95,633	1,315,248	11,572	0	0
2016	79,823	1,384,458	7,636	0	0
2017	92,821	1,514,278	8,627 R	0	0
2018	95,510	1,771,698 R	11,618	0	0
2019	93,425	2,155,757	16,797	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, West Virginia, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	2,971.5	228.7 R	13.3	0.0	NA	13.4	10.1	3,236.9 R
1961	2,821.1	230.6 R	16.0	0.0	NA	12.6	11.1	3,091.4 R
1962	2,953.0	230.8 R	20.1	0.0	NA	12.8	11.0	3,227.7 R
1963	3,306.0	230.3 R	19.4	0.0	NA	12.6	8.4	3,576.7 R
1964	3,532.6	223.3 R	19.5	0.0	NA	12.2	9.5	3,797.1 R
1965	3,730.4	227.2 R	20.5	0.0	NA	11.9	8.7	3,998.6 R
1966	3,741.4	231.8 R	21.3	0.0	NA	12.1	8.0	4,014.6 R
1967	3,842.1	231.6 R	20.7	0.0	NA	11.5	11.0	4,116.8 R
1968	3,645.1	259.6 R	19.2	0.0	NA	11.6	9.9	3,945.5 R
1969	3,535.7	253.9 R	18.0	0.0	NA	11.5	9.9	3,829.0 R
1970	3,652.1	265.6 R	18.1	0.0	NA	10.7	10.4	3,957.0 R
1971	2,991.7	257.6 R	17.2	0.0	NA	10.3	12.0	3,288.8 R
1972	3,128.3	235.6 R	15.5	0.0	NA	11.8	12.9	3,404.2 R
1973	2,972.1	229.1 R	13.8	0.0	NA	12.0	12.2	3,239.3 R
1974	2,605.8	222.8 R	15.5	0.0	NA	11.8	12.0	2,867.8 R
1975	2,769.2	173.8 R	14.4	0.0	NA	11.7	11.1	2,980.2 R
1976	2,768.8	172.0 R	14.6	0.0	NA	14.1	10.6	2,980.1 R
1977	2,422.8	171.4 R	14.6	0.0	NA	14.5	9.8	2,633.1 R
1978	2,148.7	165.1 R	13.8	0.0	NA	17.7	9.6	2,354.9 R
1979	2,891.2	166.9 R	14.0	0.0	NA	21.1	12.8	3,105.9 R
1980	3,112.0	176.8	13.5	0.0	NA	11.9	11.6	3,325.7
1981	2,934.3	183.1	20.1	0.0	0.0	10.6	11.4	3,159.6
1982	3,344.6	169.6	18.7	0.0	0.0	14.1	11.7	3,558.8
1983	3,003.8	146.9	21.0	0.0	0.0	11.7	11.7	3,195.1
1984	3,413.6	165.4	20.4	0.0	0.0	13.7	11.9	3,625.0
1985	3,339.9	170.3	20.6	0.0	0.0	14.0	11.1	3,555.9
1986	3,391.6	159.4	18.2	0.0	0.0	20.4	11.0	3,600.7
1987	3,561.0	186.2	16.4	0.0	0.0	18.0	10.5	3,792.1
1988	3,802.2	204.6	15.2	0.0	0.0	18.8	10.2	4,051.0
1989	3,996.5	207.3	13.0	0.0	0.0	11.9	13.7	4,242.4
1990	4,450.0	205.9	12.4	0.0	0.0	5.0	13.5	4,686.8
1991	4,391.2	229.1	11.4	0.0	0.0	5.3	11.2	4,648.1
1992	4,250.4	209.1	12.0	0.0	0.0	5.3	13.2	4,489.9
1993	3,383.0	199.3	11.9	0.0	0.0	6.9	11.5	3,612.7
1994	4,203.4	212.3	11.1	0.0	0.0	6.8	11.9	4,445.6
1995	4,217.2	209.0	11.3	0.0	0.0	7.1	12.3	4,457.0
1996	4,392.1	190.7	9.7	0.0	0.0	7.3	14.8	4,614.5
1997	4,464.1	194.5	8.8	0.0	0.0	5.9	11.7	4,684.9
1998	4,413.0	202.1	8.5	0.0	0.0	5.1	11.1	4,639.9
1999	4,021.5	196.8	8.5	0.0	0.0	5.2	9.6	4,241.7
2000	4,015.5	297.6	8.1	0.0	0.0	5.6	11.8	4,338.6
2001	4,085.5	222.4	7.1	0.0	0.0	4.8	9.9	4,329.7
2002	3,805.1	218.6	8.4	0.0	0.0	4.2	11.0	4,047.2
2003	3,524.5	212.5	8.6	0.0	0.0	4.3	15.5	3,765.4
2004	3,724.8	222.7	10.1	0.0	0.0	4.4	14.9	3,976.8
2005	3,848.5	250.1	9.8	0.0	0.0	12.3	16.1	4,136.7
2006	3,802.0	265.9	10.0	0.0	0.0	10.9	17.4	4,106.2
2007	3,855.3	262.7	11.6	0.0	(s)	11.9	14.1	4,155.6
2008	3,870.3	277.2	12.3	0.0	0.2	13.0	16.2	4,189.3
2009	3,379.4	301.0	8.7	0.0	0.1	21.7	23.4	3,734.2
2010	3,346.1	301.0	10.7	0.0	0.0	23.4	22.6	3,703.8
2011	3,321.1	442.6	12.4	0.0	0.0	22.3	24.9	3,823.3
2012	3,059.1	602.6	14.9	0.0	0.0	18.9	26.0	3,721.5
2013	2,874.7	832.7	42.0	0.0	0.0	23.9	29.9	3,803.2
2014	2,858.0	1,246.1	59.9	0.0	0.0	24.3	25.7	4,214.0
2015	2,447.2	1,562.5	66.2	0.0	0.0	12.1	25.9	4,113.8
2016	2,041.1	1,667.4	43.7	0.0	0.0	11.2 R	28.5	3,791.8
2017	2,390.3	1,836.4	49.4 R	0.0	0.0	10.7 R	30.9	4,317.7 R
2018	2,468.6	2,159.6 R	66.3	0.0	0.0	12.3	33.1	4,739.9 R
2019	2,422.2	2,598.7	95.7	0.0	0.0	12.0	29.9	5,158.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Wisconsin, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA	NA
1961	0	0	0	NA	NA
1962	0	0	0	NA	NA
1963	0	0	0	NA	NA
1964	0	0	0	NA	NA
1965	0	0	0	NA	NA
1966	0	0	0	NA	NA
1967	0	0	0	NA	NA
1968	0	0	0	NA	NA
1969	0	0	0	NA	NA
1970	0	0	0	NA	NA
1971	0	0	0	NA	NA
1972	0	0	0	NA	NA
1973	0	0	0	NA	NA
1974	0	0	0	NA	NA
1975	0	0	0	NA	NA
1976	0	0	0	NA	NA
1977	0	0	0	NA	NA
1978	0	0	0	NA	NA
1979	0	0	0	NA	NA
1980	0	0	0	NA	NA
1981	0	0	0	0	NA
1982	0	0	0	0	NA
1983	0	0	0	0	NA
1984	0	0	0	0	NA
1985	0	0	0	0	NA
1986	0	0	0	0	NA
1987	0	0	0	0	NA
1988	0	0	0	0	NA
1989	0	0	0	0	NA
1990	0	0	0	0	NA
1991	0	0	0	0	NA
1992	0	0	0	0	NA
1993	0	0	0	0	NA
1994	0	0	0	0	NA
1995	0	0	0	95	NA
1996	0	0	0	95	NA
1997	0	0	0	95	NA
1998	0	0	0	95	NA
1999	0	0	0	95	NA
2000	0	0	0	95	NA
2001	0	0	0	95	0
2002	0	0	0	496	0
2003	0	0	0	1,832	0
2004	0	0	0	2,545	0
2005	0	0	0	4,090	0
2006	0	0	0	5,009	0
2007	0	0	0	6,759	280
2008	0	0	0	10,652	366
2009	0	0	0	11,000	193
2010	0	0	0	11,629 R	199
2011	0	0	0	12,354 R	411
2012	0	0	0	11,956 R	527
2013	0	0	0	11,751 R	276 R
2014	0	0	0	13,035 R	279 R
2015	0	0	0	13,460 R	481 R
2016	0	0	0	13,827 R	597 R
2017	0	0	0	14,333 R	349
2018	0	0	0	15,113 R	544
2019	0	0	0	15,000	643

[a] Beginning in 2001, includes refuse recovery

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Wisconsin, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	39.2	25.8	65.0
1961	0.0	0.0	0.0	0.0	NA	39.1	21.5	60.6
1962	0.0	0.0	0.0	0.0	NA	39.1	22.6	61.7
1963	0.0	0.0	0.0	0.0	NA	38.9	16.3	55.1
1964	0.0	0.0	0.0	0.0	NA	39.0	16.0	55.0
1965	0.0	0.0	0.0	0.0	NA	39.4	22.3	61.7
1966	0.0	0.0	0.0	0.0	NA	39.5	21.4	60.9
1967	0.0	0.0	0.0	0.0	NA	39.4	21.6	61.0
1968	0.0	0.0	0.0	0.0	NA	41.0	24.9	65.8
1969	0.0	0.0	0.0	0.0	NA	40.3	22.5	62.8
1970	0.0	0.0	0.0	1.7	NA	38.3	20.0	60.0
1971	0.0	0.0	0.0	37.6	NA	38.4	23.4	99.4
1972	0.0	0.0	0.0	35.5	NA	40.6	25.0	101.2
1973	0.0	0.0	0.0	64.9	NA	42.4	25.4	132.7
1974	0.0	0.0	0.0	92.1	NA	44.5	21.1	157.8
1975	0.0	0.0	0.0	113.4	NA	44.9	21.2	179.4
1976	0.0	0.0	0.0	118.5	NA	52.4	17.1	188.0
1977	0.0	0.0	0.0	117.9	NA	55.5	19.0	192.4
1978	0.0	0.0	0.0	128.2	NA	66.2	24.6	219.0
1979	0.0	0.0	0.0	113.2	NA	69.1	23.7	206.1
1980	0.0	0.0	0.0	108.1	NA	165.3	22.0	295.4
1981	0.0	0.0	0.0	107.2	0.0	174.3	22.4	303.8
1982	0.0	0.0	0.0	113.7	0.0	170.1	25.3	309.1
1983	0.0	0.0	0.0	101.4	0.0	190.8	26.9	319.1
1984	0.0	0.0	0.0	116.5	0.0	191.1	24.4	332.0
1985	0.0	0.0	0.0	116.6	0.0	191.2	26.6	334.4
1986	0.0	0.0	0.0	118.5	0.0	136.5	25.3	280.2
1987	0.0	0.0	0.0	118.1	0.0	136.4	16.4	271.0
1988	0.0	0.0	0.0	121.5	0.0	141.8	15.4	278.7
1989	0.0	0.0	0.0	114.8	0.0	108.0	15.7	238.5
1990	0.0	0.0	0.0	118.8	0.0	81.3	21.2	221.4
1991	0.0	0.0	0.0	115.2	0.0	81.7	26.6	223.5
1992	0.0	0.0	0.0	117.4	0.0	83.8	25.1	226.3
1993	0.0	0.0	0.0	120.4	0.0	78.7	26.0	225.0
1994	0.0	0.0	0.0	120.4	0.0	83.5	23.3	227.1
1995	0.0	0.0	0.0	115.3	0.6	86.1	24.9	226.8
1996	0.0	0.0	0.0	106.3	0.6	95.1	28.2	230.2
1997	0.0	0.0	0.0	41.1	0.6	96.9	25.7	164.3
1998	0.0	0.0	0.0	98.6	0.6	89.4	18.2	206.7
1999	0.0	0.0	0.0	120.1	0.6	93.0	20.6	234.3
2000	0.0	0.0	0.0	120.1	0.6	92.1	20.6	233.4
2001	0.0	0.0	0.0	120.2	0.6	99.0	22.3	242.0
2002	0.0	0.0	0.0	130.0	3.0	72.2	26.4	231.5
2003	0.0	0.0	0.0	127.3	11.0	84.5	20.0	242.8
2004	0.0	0.0	0.0	124.0	15.1	72.4	21.2	232.7
2005	0.0	0.0	0.0	103.5	24.2	102.0	18.7	248.4
2006	0.0	0.0	0.0	127.7	29.4	97.1	18.1	272.3
2007	0.0	0.0	0.0	135.4	41.0	92.4	16.6	285.4
2008	0.0	0.0	0.0	127.0	63.8	93.3	21.4	305.5
2009	0.0	0.0	0.0	132.7	64.5	82.6	24.7	304.5
2010	0.0	0.0	0.0	138.8	68.1 R	104.1	32.1	343.1 R
2011	0.0	0.0	0.0	121.0	73.2 R	101.8	33.3	329.3 R
2012	0.0	0.0	0.0	149.8	71.3 R	97.9	30.4	349.4 R
2013	0.0	0.0	0.0	122.0	68.5 R	102.9	34.8	328.2 R
2014	0.0	0.0	0.0	98.8	75.6 R	100.6	40.0	315.0 R
2015	0.0	0.0	0.0	104.7	78.9 R	106.7	37.7	328.0 R
2016	0.0	0.0	0.0	106.2	81.3 R	101.2 R	41.0	329.7 R
2017	0.0	0.0	0.0	100.9	82.7 R	99.4 R	41.2	324.1 R
2018	0.0	0.0	0.0	105.9	88.0 R	104.2 R	38.6	336.7 R
2019	0.0	0.0	0.0	104.7	87.5	101.1	42.3	335.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Table PT1. Primary Energy Production Estimates in Physical Units, Wyoming, 1960-2019

Year	Fossil Fuels			Renewable Energy	
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]	Biodiesel
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels	Thousand Barrels
1960	2,024	181,610	133,910	NA	NA
1961	2,529	194,674	141,937	NA	NA
1962	2,569	204,996	135,847	NA	NA
1963	3,124	209,060	144,407	NA	NA
1964	3,101	232,878	138,752	NA	NA
1965	3,260	235,849	138,314	NA	NA
1966	3,670	243,381	134,470	NA	NA
1967	3,588	240,074	136,312	NA	NA
1968	3,829	248,481	144,250	NA	NA
1969	4,602	303,517	154,945	NA	NA
1970	7,222	338,520	160,345	NA	NA
1971	8,052	380,105	148,114	NA	NA
1972	10,928	375,059	140,011	NA	NA
1973	14,886	357,731	141,914	NA	NA
1974	20,703	326,657	139,997	NA	NA
1975	23,804	316,123	135,943	NA	NA
1976	30,836	328,768	134,149	NA	NA
1977	46,028	330,180	136,472	NA	NA
1978	58,328	357,267	137,385	NA	NA
1979	71,523	414,416	131,890	NA	NA
1980	94,887	407,072	126,362	NA	NA
1981	102,969	408,356	130,563	0	NA
1982	108,361	424,657	118,300	0	NA
1983	112,214	443,988	118,303	0	NA
1984	130,914	516,683	124,269	0	NA
1985	140,714	416,565	128,514	0	NA
1986	136,826	403,266	121,337	0	NA
1987	146,850	497,980	115,267	0	NA
1988	164,014	509,058	113,985	0	NA
1989	171,558	665,699	107,715	0	NA
1990	184,249	735,728	103,856	0	NA
1991	193,854	776,528	99,928	0	NA
1992	190,172	842,576	96,810	0	NA
1993	210,129	634,957	87,667	0	NA
1994	237,092	696,018	79,528	56	NA
1995	263,822	673,775	78,884	56	NA
1996	278,440	666,036	73,365	24	NA
1997	281,881	738,368	70,176	45	NA
1998	314,409	903,836	64,782	54	NA
1999	337,119	971,230	61,126	52	NA
2000	338,900	1,088,328	60,726	65	NA
2001	368,749	1,363,879	57,433	73	0
2002	373,161	1,453,957	54,801	102	0
2003	376,270	1,539,318	52,970	124	0
2004	396,493	1,592,203	51,940	116	0
2005	404,319	1,639,317	51,770	111	0
2006	446,742	1,816,201	52,974	112	0
2007	453,568	2,047,882	54,116	120	0
2008	467,644	2,274,850	53,045	150	0
2009	431,107	2,335,328	51,531	155	0
2010	442,522	2,305,525	53,890	175 R	0
2011	438,673	2,159,422	54,515	269 R	0
2012	401,442	2,022,275	57,808	314 R	0
2013	387,924	1,858,207	63,482	317 R	0
2014	395,665	1,794,413	76,119	303 R	0
2015	375,773	1,808,519	86,470 R	209 R	0
2016	297,218	1,662,909	72,667 R	0	0
2017	316,454	1,590,059	75,706 R	0	0
2018	304,188	1,637,517 R	87,945 R	0	0
2019	276,912	1,460,477	102,104	0	0

[a] Beginning in 2001, includes refuse recovery.

[b] Marketed production.

[c] Includes lease condensate.

[d] Includes denaturant.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.5 of published unit.

Sources: Data sources, estimation procedures, and assumptions are described in the documentation at http://www.eia.gov/state/seds/seds-technical-notes-complete.php

Table PT2. Primary Energy Production Estimates in Trillion Btu, Wyoming, 1960-2019

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Wood and Waste [e]	Other [f]	
	Trillion Btu							
1960	35.2	198.0 R	776.7	0.0	NA	1.6	6.6	1,018.0 R
1961	43.9	212.3 R	823.2	0.0	NA	1.5	6.7	1,087.7 R
1962	44.6	223.5 R	787.9	0.0	NA	1.4	10.3	1,067.8 R
1963	54.3	227.9 R	837.6	0.0	NA	1.4	9.2	1,130.4 R
1964	53.9	253.9 R	804.8	0.0	NA	1.5	9.1	1,123.2 R
1965	56.7	257.1 R	802.2	0.0	NA	1.6	9.2	1,126.8 R
1966	63.8	265.4 R	779.9	0.0	NA	1.5	9.6	1,120.2 R
1967	62.4	261.8 R	790.6	0.0	NA	1.4	8.2	1,124.4 R
1968	66.5	270.9 R	836.7	0.0	NA	1.6	10.0	1,185.7 R
1969	80.0	330.9 R	898.7	0.0	NA	1.5	11.5	1,322.6 R
1970	125.5	369.1 R	930.0	0.0	NA	1.6	10.6	1,436.7 R
1971	139.9	413.2 R	859.1	0.0	NA	1.6	13.7	1,427.5 R
1972	189.9	414.7 R	812.1	0.0	NA	1.3	12.2	1,430.2 R
1973	275.6	394.3 R	823.1	0.0	NA	1.5	12.6	1,507.0 R
1974	386.1	352.1 R	812.0	0.0	NA	1.5	14.7	1,566.4 R
1975	434.6	320.1 R	788.5	0.0	NA	1.6	11.7	1,556.3 R
1976	562.9	339.3 R	778.1	0.0	NA	1.7	10.8	1,692.8 R
1977	829.7	338.0 R	791.5	0.0	NA	2.0	8.0	1,969.2 R
1978	1,040.7	352.4 R	796.8	0.0	NA	2.6	10.2	2,202.7 R
1979	1,273.8	415.8 R	765.0	0.0	NA	3.0	10.9	2,468.4 R
1980	1,689.9	461.6	732.9	0.0	NA	2.7	11.5	2,898.6
1981	1,805.4	464.8	757.3	0.0	0.0	3.3	8.8	3,039.6
1982	1,884.0	458.4	686.1	0.0	0.0	3.4	8.9	3,040.7
1983	1,952.0	508.4	686.2	0.0	0.0	3.7	12.1	3,162.3
1984	2,262.2	598.0	720.8	0.0	0.0	3.7	13.5	3,598.2
1985	2,430.7	497.3	745.4	0.0	0.0	3.8	11.2	3,688.4
1986	2,363.2	469.6	703.8	0.0	0.0	4.3	11.9	3,552.8
1987	2,536.3	571.1	668.5	0.0	0.0	3.1	8.0	3,787.1
1988	2,850.2	587.2	661.1	0.0	0.0	3.3	8.1	4,109.9
1989	2,972.7	752.5	624.7	0.0	0.0	2.7	7.7	4,360.3
1990	3,194.5	857.1	602.4	0.0	0.0	2.1	7.4	4,663.4
1991	3,356.5	877.1	579.6	0.0	0.0	2.2	8.3	4,823.7
1992	3,301.8	943.9	561.5	0.0	0.0	1.6	7.2	4,816.0
1993	3,633.4	720.0	508.5	0.0	0.0	1.4	8.8	4,872.0
1994	4,093.4	789.9	461.3	0.0	0.3	1.7	9.9	5,356.5
1995	4,551.8	775.3	457.5	0.0	0.3	1.5	8.9	5,795.3
1996	4,817.1	779.8	425.5	0.0	0.1	1.3	13.4	6,037.2
1997	4,886.1	861.8	407.0	0.0	0.3	1.4	14.8	6,171.3
1998	5,450.5	1,032.3	375.7	0.0	0.3	1.2	14.4	6,874.4
1999	5,838.0	1,096.9	354.5	0.0	0.3	1.3	12.8	7,303.7
2000	5,892.3	1,231.6	352.2	0.0	0.4	1.4	13.5	7,491.3
2001	6,407.6	1,538.9	333.1	0.0	0.4	0.9	13.5	8,294.5
2002	6,486.1	1,627.0	317.8	0.0	0.6	0.9	11.2	8,443.6
2003	6,551.3	1,714.6	307.2	0.0	0.7	0.9	10.4	8,585.3
2004	6,909.0	1,772.3	301.3	0.0	0.7	0.9	12.8	8,997.0
2005	7,019.8	1,811.9	300.3	0.0	0.7	2.4	16.0	9,151.1
2006	7,740.0	1,990.7	307.2	0.0	0.7	2.1	16.6	10,057.2
2007	7,847.6	2,231.3	313.9	0.0	0.7	2.3	15.3	10,411.1
2008	8,087.4	2,463.0	307.7	0.0	0.9	2.5	18.3	10,879.8
2009	7,459.9	2,536.2	298.9	0.0	0.9	1.4	31.8	10,328.9
2010	7,658.3	2,512.9	312.6	0.0	1.0 R	1.5	42.3	10,528.5
2011	7,591.7	2,375.3	316.2	0.0	1.5 R	1.4	57.4	10,343.6 R
2012	6,973.7	2,240.5	335.3	0.0	1.8 R	1.2	50.8	9,603.3 R
2013	6,760.4	2,050.8	368.2	0.0	1.8 R	1.5	49.8	9,232.6 R
2014	6,880.2	1,982.4	441.5	0.0	1.7 R	1.6	50.8	9,358.2 R
2015	6,538.2	1,998.3	494.3 R	0.0	1.2 R	4.9	43.8	9,080.8 R
2016	5,169.9	1,878.1	415.8 R	0.0	0.0	4.4 R	50.2	7,518.4 R
2017	5,516.8	1,788.3	433.3	0.0	0.0	5.0	50.9	7,794.2 R
2018	5,316.0	1,842.5 R	501.8 R	0.0	0.0	4.9	46.6	7,711.8 R
2019	4,828.5	1,653.9	581.8	0.0	0.0	5.0	48.3	7,117.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) to the production of biofuels.
[e] Wood energy production and biomass waste energy consumption
[f] Consumption of noncombustible renewable energy, including hydroelectric power as well as geothermal, solar, and wind energy
NA = Not available.
Where shown, R = Revised.
Where shown, (s) = Less than 0.05 trilllion 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

Production Technical Notes

Contents

Section 1. Introduction

The U.S. Energy Information Administration's (EIA) State Energy Data System (SEDS) provides Members of Congress, federal and state agencies, and the general public with comparable state-level data on energy production, consumption, prices, and expenditures. The SEDS energy production database provides annual time series of the production of primary energy sources by state, generally from 1960 forward. EIA's Office of Energy Demand and Integrated Statistics compiles data from information collected by EIA (and its predecessor agencies) and other publicly available sources.

Purpose

Various EIA surveys collect energy production data in physical units and publish the data in reports on the EIA website. However, most EIA data are only published for the latest time period or for a shorter time series and do not include earlier historical data. Also, it is not possible to compare production across fuels that are reported in different physical units or to calculate total energy production. The SEDS energy production database converts physical unit production into common units of heat, called British thermal units (Btu), and provides a standardized set of state energy production data for comparisons over time, across fuels, and across states.

Coverage

The primary energy sources used to calculate total energy production in the state energy production database include:

- Coal
- Crude oil
- Natural gas, marketed production[1]
- Nuclear electric power
- Renewable energy

Production data for coal, crude oil, and natural gas come from EIA sources and earlier reports published by other agencies. SEDS converts the production data from physical units (short tons, barrels, and cubic feet) to British thermal units (Btu) using estimated heat content conversion factors. The EIA heat content per unit of physical unit (i.e., thermal conversion factors) represents the gross (or higher or upper) energy content of the fuel.

Nuclear electric power production in Btu, which also equals consumption, is the nuclear electricity net generation multiplied by the average heat rate of the nuclear power plants.

Renewable energy includes biofuels and other renewable energy (geothermal, hydroelectric power, solar, wind, wood, and biomass waste). Biofuels include fuel ethanol and biodiesel. SEDS estimates state-level production of fuel ethanol and biodiesel, in thousand barrels, using data provided by some states and plant capacity data. SEDS defines biofuel production in Btu as the total heat content of biomass inputs (or feedstock) used in the production of fuel ethanol and biodiesel. That is, it includes the losses and co-products from the production of the biofuel. SEDS assumes that production of other renewable energy equals consumption, except for wood production from 2016 forward. See Section 6 for the description of renewable energy concepts and estimation procedures.

To avoid double-counting, production (generation) of electricity, a secondary energy source, is not covered in this report (see the EIA Electricity Data Browser for state electricity generation data). SEDS counts production of domestically produced fossil fuels used for electricity generation as production in the producing state. For example, SEDS counts coal production in the state that the mine is located, even if the coal is transported to another state to generate electricity). SEDS counts production of nuclear fuels and renewable energy used for electricity generation as production in the electricity generating state.

Sections 2 through 6 of this documentation describe the data sources and the estimation methodologies used to derive the production series for each energy source.

[1] SEDS presents marketed production for natural gas, in contrast to the *Monthly Energy Review*, EIA's national energy publication, which presents production data for dry natural gas and natural gas plant liquids. See discussion in Section 4.

Comparability

To maintain internal consistency, SEDS calculates U.S. estimates as the sum of all states, District of Columbia, and federal offshore production, if any. U.S. totals may not exactly equal the national data published in other EIA publications because of rounding or differences in estimation methods. The box below summarizes the differences between the U.S. production estimates in SEDS and the U.S. production data published in the *Monthly Energy Review* (MER).

Differences between U.S. production estimates in SEDS and MER

EIA's *Monthly Energy Review* (MER) and SEDS publish annual time series of production data at the U.S. level in both physical units and Btu. The differences between the physical unit production data in SEDS and MER are minor and mostly because of rounding. Because SEDS computes the Btu production of coal and natural gas using state-level conversion factors, instead of a U.S.-level factor as the MER does, the differences between the U.S. Btu production data are more noticeable for those fuels.

Coal

Using the state-level conversion factors from EIA's Office of Energy Production, Conversion, and Delivery, SEDS U.S. coal production estimates in Btu are usually within 1% of the MER estimates. For 1989 forward, the MER's coal production in Btu also includes waste coal supplied, which is not included in the SEDS estimates.

Crude oil

There is no noticeable difference in the crude oil production data presented in SEDS and MER.

Natural gas

SEDS uses state-level thermal conversion factors for dry natural gas and regional-level thermal conversion factors for natural gas plant liquids to calculate natural gas marketed production in Btu. In contrast, MER uses U.S.-level thermal conversion for dry natural gas and natural gas plant liquids. The differences between the SEDS U.S. series and the sum of the two MER series are less than 0.5% in most years. The maximum difference is 2.1% in 1997. No attempt has been made to reconcile the two sets of estimates.

Renewable and nuclear energy

The SEDS and MER U.S. production estimates are the same for the renewable energy sources and nuclear-generated electricity.

Section 2. Coal

EIA collects annual coal production in short tons from U.S. coal producers on Form EIA-7A, "Annual Survey of Coal Production and Preparation" and its predecessor forms. State production data are available in the *Annual Coal Report* and its predecessor publications as described under Sources below. EIA's Office of Energy Production, Conversion, and Delivery (EPCD) provides the state data used in SEDS. Beginning in 2001, the EPCD coal production data also include a small volume of refuse recovery coal.

EPCD also develops the state-level thermal conversion factors, in Btu per pound. The conversion factors are the heat contents of coal delivered to electric power plants (reported on Form EIA-923, "Power Plant Operations Report" and predecessor forms), beginning in 1972. EPCD assumes that the 1960-1971 factors are the same as the 1972 factors. For states that have a significant amount of their coal consumed in coke plants, other manufacturing industries, or exported, EPCD adjusts the conversion factors to reflect a higher heat content of coal produced for such uses. Consequently, the resultant U.S.-level Btu production estimates for the earlier years deviate more from the MER, which uses a U.S.-level average thermal conversion factor.

Variable names and definitions

The independent data series identifying codes for coal data are: ("ZZ" represents the two-letter state code in the variable names):

CLPRPZZ = Coal production, in thousand short tons, by state; and
CLPRKZZ = Factor for converting coal production from thousand short tons to billion Btu, by state.

SEDS calculates coal production in billion Btu using the following formula:

CLPRBZZ = CLPRPZZ * CLPRKZZ

SEDS calculates the U.S. total coal production, CLPRPUS and CLPRBUS, as the sum of the states' values. The average thermal conversion factor for the U.S. total is:

CLPRKUS = CLPRBUS / CLPRPUS

Data sources

CLPRPZZ — Coal production in thousand short tons by state.

- 1960-1975: Bureau of Mines, *Minerals Yearbook*, "Coal—Bituminous and Lignite" and "Coal—Pennsylvania Anthracite" chapters.
- 1976: U.S. Energy Information Administration (EIA), *Energy Data Reports*, "Coal—Bituminous and Lignite in 1976" and "Coal—Pennsylvania Anthracite 1976."
- 1977 and 1978: EIA, *Energy Data Reports*, "Bituminous Coal and Lignite Production and Mine Operations," "Coal—Pennsylvania Anthracite" and "Coal Production," annual reports.
- 1979 and 1980: EIA, *Energy Data Reports*, "Weekly Coal Report and Coal Production," annual reports.
- 1981-1988: EIA, *Weekly Coal Production and Coal Production*, annual reports.
- 1989-2000: EIA, *Coal Industry Annual*, annual reports, Table 1.
- 2001 forward: EIA, *Annual Coal Report*, annual reports, Table 1.

CLPRKZZ — Factor for converting coal production from thousand short tons to billion Btu, by state.

- 1960-1971: No data available. Estimated using 1972 factors and adjusting for products with higher heat content.
- 1972-1988: Based on Federal Energy Regulatory Commission, Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."
- 1989 forward: Based on Forms FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants,"

(1989-2001), EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," (2002-2007), and EIA-923, "Power Plant Operations Report," (2008 forward) (http://www.eia.gov/electricity/data/eia923/) and Platts COALdat database.

Section 3. Crude Oil

EIA's Office of Energy Production, Conversion, and Delivery (EPCD) compiles production of crude oil (including lease condensate) in thousand barrels. Before 1976, the U.S. Department of the Interior, Bureau of Mines, compiled the data. For 1981 forward, annual state-level data are from EIA, Petroleum Data, Crude Oil Production. Before 1981, the data are from the publications described in the sources below.

Before 2015, EIA converted crude oil production data in thousand barrels to billion Btu using a fixed conversion factor of 5.8 million Btu per barrel. For 2015 forward, EIA calculates the crude oil thermal conversion factors using gravity ranges of crude oil production data from the American Petroleum Institute (API).

Federal offshore production

For 1981 forward, the EIA data source provides federal offshore crude oil production data in the Petroleum Administration for Defense District (PADD) 3 (Gulf Coast) and PADD 5 (West Coast) regions. Before 1981, the source data included federal offshore crude oil production in the Gulf of Mexico with Alabama, Louisiana, and Texas, and that in the Pacific region with California.

To maintain compatibility of state-level production over time, SEDS assigns crude oil production from the Outer Continental Shelf (OCS) of the Gulf of Mexico (GOM) Planning Areas from the U.S. Department of the Interior to PADD 3 before 1981. Similarly, SEDS assigns crude oil production from the Federal Pacific Offshore area to PADD 5 before 1981. SEDS removes GOM Central Planning Area production from Louisiana, GOM Western Planning Area production from Texas, GOM Eastern Planning Area production, if any, from Alabama, and the Pacific OCS production from California.

Variable names and definitions

The independent data series identifying codes for crude oil data are ("ZZ" represents the two-letter state code or federal offshore region in the variable names):

PAPRPZZ = Crude oil production (including lease condensate), in thousand barrels, by state or federal offshore region; and

COPRKUS = Factor for converting crude oil production from thousand barrels to billion Btu.

SEDs calculates crude oil production in billion Btu using the following formula:

PAPRBZZ = PAPRPZZ * COPRKUS

The U.S. total crude oil production, PAPRPUS and PAPRBUS, is the sum of the states and federal offshore regions.

Data sources

PAPRPZZ — Crude oil production (including lease condensate), in thousand barrels, by state or federal offshore region.

- 1960-1965: U.S. Department of the Interior, Bureau of Mines, *Crude Petroleum and Petroleum Products*, Table 5, "Production of Crude Petroleum in the United States."
- 1966: U.S. Department of the Interior, Bureau of Mines, *Crude Petroleum, Petroleum Products and Natural Gas Liquids*, Table 5, "Production of Crude Petroleum in the United States."
- 1967-1980: EIA, Energy Data Reports, *Crude Petroleum, Petroleum Products and Natural Gas Liquids*, Table 5, "Production of Crude Petroleum (including Lease Condensate) by PAD District and State."
- 1960-1980: U.S. Department of the Interior, Bureau of Ocean Energy Management (Gulf of Mexico Planning Areas) and Bureau of Safety and Environmental Enforcement (Pacific OCS Region).
- 1981 forward: EIA *Petroleum Supply Annual*, table on "Production of Crude Oil by PAD District and State," also available at http://www.eia.gov/dnav/pet/pet_crd_crpdn_adc_mbbl_a.htm.

COPRKUS — Factor for converting crude oil production from thousand barrels to billion Btu.

- 1960-2014: EIA, *Monthly Energy Review*, Table A2. EIA adopted the thermal conversion factor of 5.8 million Btu per barrel as reported in a Bureau of Mines internal memorandum, "Bureau of Mines Standard Average Heating Values of Various Fuels, Adopted January 3, 1950."
- 2015 forward: EIA, *Monthly Energy Review*, Table A2. Based on conversion of American Petroleum Institute (API) gravity ranges of crude oil production as reported on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report."

Section 4. Natural Gas (Marketed Production)

EIA's Office of Energy Production, Conversion, and Delivery (EPCD) collects and compiles natural gas production data in cubic feet.

Natural gas production can be measured at various stages of processing. Gross withdrawals cover the full well-stream volume extracted from oil and natural gas wells. Marketed production is gross withdrawals minus gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating and processing operations. At natural gas processing plants, some hydrocarbons are separated as liquids (called natural gas plant liquids, or NGPL) from the marketed gas stream. NGPL are usually reported in barrels or gallons, but may also be reported in cubic feet for comparison with other natural gas concepts. The volume of NGPL extracted (previously known as extraction loss) is called NGPL production, gaseous equivalent. Dry natural gas is the resultant product that is ready for pipeline transmission and distribution. Information on natural gas terms and definitions, sources, and explanatory notes can be found at http://www.eia.gov/dnav/ng/TblDefs/ng_prod_sum_tbldef2.asp.

SEDS uses the concept of marketed production, in contrast to EIA's *Monthly Energy Review* (MER), which presents production of dry natural gas and NGPL separately. Liquids extracted from natural gas are considered petroleum products, and MER's national NGPL production data come from EIA's petroleum surveys. MER calculates the Btu content of NGPL using the weighted thermal conversion factors each NGPL component by its national production volume. SEDS does not use this method because production data for the NGPL components are not available at the state level. Instead, SEDS publishes state-level data for natural gas marketed production, which is the sum of NGPL production and dry natural gas.

SEDS uses state-level thermal conversion factors of natural gas delivered to consumers to convert dry natural gas production data from cubic feet to Btu. For NGPL, SEDS uses regional-level thermal conversion factors, weighted by the production volume of each NGPL component, to convert state-level NGPL production data from cubic feet to Btu. State-level marketed production is the sum of the two estimates.

Dry production

For 1982 forward, annual state-level dry natural gas production data are from EIA, Natural Gas Data, Gross Withdrawals and Production, Dry Production table. For 1970-1981, the data are from EIA, *Historical Natural Gas Annual 1930 Through 2000*.

Federal offshore production

For 1997 forward, the EIA data source provides federal offshore production in the Gulf of Mexico (GOM). Before 1997, the source includes GOM federal offshore production with Alabama, Louisiana, and Texas. Before 1997, to maintain compatibility of state-level production over time, SEDS represents federal offshore GOM production using EIA marketed production for Federal Offshore Gulf of Mexico (1992- 1996), EIA gross withdrawals for Federal Offshore Gulf of Mexico (1967-1991), and Outer Continental Shelf (OCS) total gas production for the Gulf of Mexico (GOM) Planning Areas (1970-1977) from the U.S. Department of the Interior. SEDS removes GOM Eastern Planning Area production from Alabama, GOM Central Planning Area production from Louisiana, and GOM Western Planning Area production from Texas.

For all years, SEDS includes federal offshore production off the Pacific coast in California, as reported by the EIA source.

Conversion factors

EPCD compiles state-level thermal conversion factors for natural gas delivered to consumers. SEDS uses the factors to convert dry production of natural gas from million cubic feet to billion Btu, and are available at http://www.eia.gov/state/seds/sep_use/total/csv/use_convfac.csv.

SEDS calculates average conversion factors for dry natural gas from the federal offshore GOM using the conversion factors of Alabama, Louisiana, and Texas, weighted by the production shares of the Eastern, Central, and Western GOM Planning Areas.

NGPL production, gaseous equivalent

For 1970 forward, annual state-level NGPL production, gaseous equivalent, data are from EIA, Natural Gas Data, Gross Withdrawals and Production, NGPL Production, Gaseous Equivalent table. For 2012 forward, the source reports NGPL production, gaseous equivalent, for the GOM federal offshore production. Before 2012, the source allocated the production to the states that processed the GOM natural gas. No attempt was made to adjust the change in classification.

Conversion factors

The products covered in NGPL, such as propane and ethane, have different thermal conversion factors, and no state-level production data for the individual products are available from the natural gas surveys. However, EIA collects production data in barrels for each NGPL product in its petroleum surveys and publishes the data for the Petroleum Administration for Defense District (PADD) refining districts[2]. SEDS derives the thermal conversion factors for NGPL production, gaseous equivalent, in a multi-step process.

First, SEDS calculates production-weighted averages for NPGL using the thermal conversion factors of the five major products comprising NGPL at the PADD refining district level. The thermal conversion factors for the five NGPL products in million Btu per barrel are:

Ethane	2.783
Propane	3.841
Butane	4.353
Isobutane	4.183
Natural gasoline	4.638

Then, SEDS converts the PADD refining district factors from million Btu per barrel to thousand Btu per cubic foot, using an annual ratio of U.S. total NGPL production in thousand barrels from the petroleum surveys and U.S. total NGPL production (gaseous equivalent) in million cubic feet from the natural gas surveys. SEDS then applies the district-level thermal conversion factors to the NGPL production, gaseous equivalent, for each state in the district to calculate the Btu estimates.

Marketed production

For 1970 forward, marketed natural gas production, in cubic feet and Btu, is the sum of dry natural gas production and NGPL production.

For 1960 through 1969, marketed natural gas production data in cubic feet are from the *Minerals Yearbook* published by the U.S. Department of the Interior Bureau of Mines. SEDS converts the data to Btu using the 1970 derived state-level marketed production thermal conversion factors.

Federal offshore production

For 1960 through 1969, SEDS represents federal offshore marketed production using Outer Continental Shelf (OCS) total gas production for the Gulf of Mexico (GOM) Planning Areas from the U.S. Department of the Interior. SEDS removes GOM Eastern Planning Area production from Alabama, GOM Central Planning Area production from Louisiana, and GOM Western Planning Area production from Texas.

Variable names and definitions

For 1970 forward, the independent data series identifying codes for natural gas data are ("ZZ" represents the two-letter state code in the variable names):

[2]For a description and maps of PADD refinery districts, see Appendix A of Petroleum Supply Monthly.

NGPRPZZ = Dry natural gas production, in million cubic feet, by state or federal offshore GOM;
NGTCKZZ = Factor for converting dry natural gas production from million cubic feet to billion Btu, by state or federal offshore GOM;
NGELPZZ = NGPL production, gaseous equivalent, in million cubic feet, by state; and
NGELKZZ = Factor for converting NGPL production, gaseous equivalent, from million cubic feet to billion Btu, by state.

SEDS calculates dry natural gas production and NGPL production in Btu as:

NGPRBZZ = NGPRPZZ * NGTCKZZ
NGELBZZ = NGELPZZ * NGELKZZ

Marketed production is the sum of dry natural gas production and NGPL production:

NGMPPZZ = Marketed natural gas production, in million cubic feet, by state
= NGPRPZZ + NGELPZZ
NGMPBZZ = Marketed natural gas production, in billion Btu, by state
= NGPRBZZ + NGELBZZ
NGMPKZZ = Derived thermal conversion factor for natural gas marketed production
= NGMPBZZ / NGMPPZZ

For 1960 through 1969, the independent data series is:

NGMPPZZ = Marketed natural gas production, in million cubic feet, by state.

SEDS estimates the Btu content of marketed production using the 1970 state-level thermal conversion factors:

NGMPBZZ = NGMPPZZ * 1970's NGMPKZZ

The U.S. marketed production, NGMPPUS and NGMPBUS, is the sum of the states and federal offshore GOM. SEDS derives the U.S. conversion factor, NGMPKUS, using the same formula for the states.

Additional note

Because of the complexity in accounting for interstate flow of "raw" (unprocessed) natural gas, there are a few cases in which NGPL production is greater than marketed production at the state level. Most of the cases are in Illinois in the early years. For these cases, SEDS uses a simple average of the thermal conversion factors for dry natural gas and NGPL for the specific state and year to convert the marketed production from cubic feet to Btu.

Data sources

NGPRPZZ — Dry natural gas production, in million cubic feet, by state or federal offshore GOM.

- 1970-2000: EIA, *Historical Natural Gas Annual 1930 Through 2000*. Sources for the data are:
  - 1970-1975: Data are based on reports received from state agencies' responses to informal data requests and the United States Geological Survey (USGS).
  - 1980-1981: EIA, Form EIA-627, "Annual Quantity and Value of Natural Gas Report," and the USGS.
  - 1982-1995: EIA, Form EIA-627, and the United States Minerals Management Service; West Virginia.
  - 1995: EIA, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1996 Annual Report, DOE/EIA-0216(96); and EIA computations.
  - 1996-2000: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report;" and the U.S. Minerals Management Service; West Virginia, 2000: EIA, *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216.
- 1970-1997: Sources for GOM federal offshore production are:
  - 1970-1976: U.S. Department of the Interior, Bureau of Ocean Energy Management.
  - 1977-1991: EIA, Natural Gas Data, Offshore Gross Withdrawals.
  - 1992-1996: EIA, Natural Gas Data, Marketed Production.

- 2001 forward: EIA, *Natural Gas Annual*, state summaries. Also available from Natural Gas Data Production, Gross Withdrawals and Production, Dry Production tables (including revised data for earlier years). Sources for the NGA data are: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report;" and the U.S. Minerals Management Service; West Virginia, 2000: EIA, *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216.

NGELPZZ — Natural gas plant liquids production, gaseous equivalent, in million cubic feet, by state.

- 1970-2000: EIA, *Historical Natural Gas Annual 1930 Through 2000*. Sources for the data are:
  - 1970-1975: Data are based on reports received from state agencies' responses to informal data requests and the United States Geological Survey (USGS).
  - 1980-1981: EIA, Form EIA-627, "Annual Quantity and Value of Natural Gas Report," and the USGS.
  - 1982-1995: EIA, Form EIA-627, and the United States Minerals Management Service; West Virginia.
  - 1995: EIA, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1996 Annual Report, DOE/EIA-0216(96); and EIA computations.
  - 1996-2000: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report;" and the U.S. Minerals Management Service; West Virginia, 2000: EIA, *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216.
- 2001 forward: EIA, *Natural Gas Annual*, state summaries. Also available from Natural Gas Data Production, Natural Gas Plant Processing, NGPL Production, Gaseous Equivalent tables (including revised data for earlier years). Sources for the NGA data are: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report;" and the U.S. Minerals Management Service; West Virginia, 2000: EIA, *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216.

NGMPPZZ — Marketed natural gas production, in million cubic feet, by state.

- 1960-1969: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*.
- 1960-1969: U.S. Department of the Interior, Bureau of Ocean Energy Management (GOM federal offshore production).

NGTCKZZ — Factor for converting dry natural gas production from million cubic feet to billion Btu, by state.

- 1970-1979: EIA adopted the thermal conversion factors calculated annually by the American Gas Association and published in *Gas Facts*.
- 1980-1996: EIA, *Historical Natural Gas Annual 1930 Through 2000*, Table 16.
- 1997 forward: EIA, *Natural Gas Annual*, Table 16, and unpublished revisions.

Section 5. Nuclear Energy

Electric power plants use nuclear energy to generate electricity. SEDS assumes nuclear energy production equals consumption.

Nuclear energy consumption in Btu is the product of nuclear electricity net generation and the average heat rate of the nuclear power plants. The definition, data sources, and estimation methodology are described in Section 6: Electricity, SEDS Consumption Technical Notes.

SEDS uses the state-level consumption estimates in billion Btu from the SEDS consumption database for production.

Variable name and definition

The independent data series identifying codes for nuclear energy data are ("ZZ" represents the two-letter state code in the variable names):

NUETBZZ = Nuclear electric power consumed, in billion Btu.

Data source

Btu consumption estimates from SEDS are available in comma-separated value (CSV) format: http://www.eia.gov/state/seds/sep_use/total/csv/use_all_btu.csv.

Additional note

Data for electric power generation are net generation data. Negative generation denotes that electric power consumed for plant use exceeds gross generation. A few such cases can be found in electric power generated by nuclear power plants.

Section 6. Renewable Energy

Renewable energy includes biofuels (biodiesel and fuel ethanol), wood and waste, and noncombustible renewable energy sources (hydroelectric power, and geothermal, solar, and wind energy).

Biofuels

SEDS estimates annual state-level production for two biofuels: biodiesel and fuel ethanol. SEDS also estimates the losses and co-products[3] associated with each fuel separately.

Biodiesel

Production in physical units

For 2001 forward, EIA publishes U.S.-level biodiesel production data in the *Monthly Energy Review* (MER) and SEDS estimates state-level biodiesel production. When available, SEDS uses state reported biodiesel production data. For states without reported data, SEDS estimates state-level biodiesel production using data from EIA's *Monthly Biodiesel Production Report* and other sources.

Some states publish biodiesel production data for some years. These states include Iowa (2005 forward), Michigan (2018), Minnesota (2005-2009 and 2012-2016, with 2010 and 2011 assumed to equal the 2012 value), Montana (2016 forward), North Dakota (2016 and 2018 forward), and Virginia (2008 forward).

For 2009 forward, SEDS uses published and unpublished data from EIA Form EIA-22M, "Monthly Biodiesel Production Survey" to estimate production of the states with no published data. The *Monthly Biodiesel Production Report*, generated from the survey, publishes production data by Petroleum Administration for Defense District (PADD) and capacity data by state for 2009 forward. Because of the volatility of biodiesel production, instead of nameplate capacity, SEDS uses unpublished monthly data on plant-level operating status to compute an annual average "operating capacity" for each plant and aggregate them to the state level. SEDS uses operating capacity data for 2014 for 2013. To estimate missing state production, SEDS subtracts the available state biodiesel production data from the total production of the corresponding PADD and allocates the remainder to the other states in the PADD using the share of the state's operating capacity.

For 2001 through 2008, PADD-level production data do not exist and nameplate capacity data are sporadic. SEDS uses the reported production data from specific states and estimates the rest as follows. First, SEDS computes a set of operating capacity estimates by state for 2001-2008 using the 2009 operating capacity data and information on start date and capacity expansion for individual plants. Then, SEDS subtracts the available state biodiesel production data from the U.S. total and allocates the remainder to the other states proportionally to the share of the state's operating capacity.

Heat content of biomass inputs to the production of biodiesel

To convert biodiesel production to British thermal units (Btu), SEDS uses EIA's biodiesel thermal conversion factor of 5.359 million Btu per barrel, as listed in MER, Appendix A.

Because biodiesel is produced from soybeans, corn, and other biomass inputs, EIA defines the total heat content of biofuel from biodiesel to be the total biomass inputs (feedstock) used to produce biodiesel. At the national level, EIA uses soybean oil input to the production of biodiesel (million Btu soybean oil per barrel biodiesel) as the factor to estimate total biomass inputs to the production of biodiesel. EIA defines losses and co-products from biodiesel production as total biomass inputs minus biodiesel produced.

SEDS allocates the MER U.S.-level losses and co-products from biodiesel production to the states using the state-level biodiesel production estimates. The state total heat content of biomass inputs to the production of biodiesel is the sum of the Btu values of biodiesel production and the losses and co-products.

Variable names and definitions

[3] Losses and co-products are the difference between the heat content of the biomass inputs to the production of biofuels and the heat content of the biofuels produced.

The independent data series identifying codes for biodiesel data are ("ZZ" represents the two-letter state code in the variable names):

BDPRPUS = Biodiesel production, in thousand barrels, United States;
BDPRPZZ = Biodiesel production, in thousand barrels, by state; and
BDLCBUS = Losses and co-products from biodiesel production, in billion Btu, United States.

The heat content data series are:

BDPRBZZ = Biodiesel production, in billion Btu, by state
= BDPRPZZ * 5.359
BDLCBZZ = Losses and co-products from biodiesel production, in billion Btu, by state
= BDLCBUS * (BDPRBZZ / BDPRBUS)
BDFDBZZ = Biomass inputs to the production of biodiesel, in billion Btu, by state
= BDPRBZZ + BDLCBZZ

The U.S. totals that are not from external sources are the sum of the states' values.

Data Sources

BDPRPUS — Biodiesel production, in thousand barrels, United States.

- 2001 forward: EIA, *Monthly Energy Review*, Table 10.4.

BDPRP (PADD-level) — Biodiesel production, in million gallons, Petroleum Administration for Defense District.

- 2009 forward: EIA, *Monthly Biodiesel Production Report*, Table 5.

BDPRPZZ — Biodiesel production, in thousand barrels, by state.

- 2001 forward: Production data from available state data sources and EIA estimates based on operating capacity data from EIA Form EIA-22M, "Monthly Biodiesel Production Survey" and other sources.

BDLCBUS — Losses and co-products from the production of biodiesel, in billion Btu, United States.

- 2001 forward: EIA, *Monthly Energy Review*, Table 10.4.

Fuel ethanol

Production in physical units

For 1981 forward, EIA publishes U.S.-level fuel ethanol production data in the *Monthly Energy Review* (MER) and SEDS estimates annual state-level fuel ethanol production. When available, SEDS uses reported fuel ethanol production data. For states without reported data, SEDS estimates state-level fuel ethanol production using data from various sources.

For 2010 forward, EIA estimates state-level fuel ethanol production for SEDS using data from Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" and monthly plant-level operating production capacity from the Nebraska Energy Office. SEDS uses unpublished EIA-819 ethanol production data for 12 states in PADD 2 that would not result in the disclosure of identifiable data reported by operators using Form EIA-819. These 12 states in PADD 2 cover about 90% of total U.S. production.

For the remaining states, SEDS allocates the PADD region remainder proportionally to the states using their operating production capacity. SEDS uses monthly data on plant-level operating production capacity to compute the annual average state-level operating capacity. SEDS subtracts the available state fuel ethanol production data from the corresponding PADD total production and allocates the remainder to the other states in the PADD using the share of the state's operating capacity.

Before 2010, SEDS estimates state-level fuel ethanol production using state reported data and state-level operating production capacity estimates. SEDS obtained production data from Iowa and Washington (through 2009), and

Minnesota, Nebraska, and South Dakota (through 2007).[4] These five states accounted for about two-thirds of total U.S. fuel ethanol production in 2007. SEDS allocates the remaining portion of the U.S. fuel ethanol production to the other states using state-level operating production capacity estimates.

SEDS compiles state-level operating capacity data from multiple sources. For 2005 through 2009, SEDS uses monthly plant-level data published by the Nebraska Energy Office (which were based on operating capacity data from the Renewable Fuels Association and plant locations for multi-state companies) to compile the annual average state-level operating capacity. SEDS also uses the January 2005 capacity data to approximate 2004 capacity. For 1992 through 1994, SEDS uses operating capacity data as of January 1, 1993 through 1995 published in EIA's *Petroleum Supply Annual*. For the remaining years, SEDS collects information on plant opening, expansion, and closing to estimate state-level capacity. When no information is available for a state, SEDS estimates capacity using linear interpolation for 1995 through 2003 and assumes capacity before 1992 to be the same as 1992.

Heat content of biomass inputs to the production of fuel ethanol

EIA defines the heat content of biofuel from fuel ethanol to be the total biomass inputs (feedstock, mostly corn) used to produce fuel ethanol. At the national level, EIA uses corn input to the production of fuel ethanol (million Btu corn per barrel fuel ethanol) as the factor to estimate total biomass inputs. The losses and co-products from fuel ethanol is equal to total biomass inputs minus fuel ethanol produced.

Before calculating the heat content of fuel ethanol produced, SEDS makes an adjustment to the fuel ethanol volume in physical units to remove the denaturant (typically natural gasoline added to the ethanol to make it unfit for human consumption). For 2009 forward, EIA's *Monthly Energy Review* estimates the volume of denaturant for the United States using survey data. Before 2009, EIA assumes the denaturant to be 2% of fuel ethanol production. SEDS applies the annual national adjustment ratio to the states.

SEDS converts the adjusted fuel ethanol production in physical units to Btu using EIA's undenatured ethanol thermal conversion factor of 3.539 million Btu per barrel. SEDS estimates state-level losses and co-products by applying the state fuel ethanol production shares to the national losses and co-products. The heat content of the biomass inputs to the production of fuel ethanol is equal to the sum of the fuel ethanol production and losses and co-products.

Variable names and definitions

The independent data series identifying codes for fuel ethanol data are ("ZZ" represents the two-letter state code in the variable names):

ENPRPUS = Fuel ethanol production, including denaturant, in thousand barrels, United States;
ENPRPZZ = Fuel ethanol production, including denaturant, in thousand barrels, by state;
EMPRPUS = Fuel ethanol production, excluding denaturant, in thousand barrels, United States; and
EMLCBUS = Losses and co-products from the production of fuel ethanol, in billion Btu, United States.

The computed data series are:

EMPRPZZ = Fuel ethanol production, excluding denaturant, in thousand barrels, by state
= ENPRPZZ * (EMPRPUS / ENPRPUS)
EMPRBZZ = Fuel ethanol production, excluding denaturant, in billion Btu, by state
= EMPRPZZ * 3.539
EMLCBZZ = Losses and co-products from fuel ethanol production, in billion Btu, by state
= EMLCBUS * (EMPRBZZ / EMPRBUS)
EMFDBZZ = Biomass inputs to the production of fuel ethanol, in billion Btu, by state
= EMPRBZZ + EMLCBZZ

The U.S. totals that are not from external sources are the sum of the states' values.

[4] Some data in the earlier years for Minnesota, Nebraska, South Dakota, and Wisconsin are not available and SEDS estimates them using plant capacity information or with assumptions.

Data sources

ENPRPUS — Fuel ethanol production, including denaturant, in thousand barrels, United States.

EMPRPUS — Fuel ethanol production, excluding denaturant, in thousand barrels, United States.

EMLCBUS — Losses and co-products from the production of fuel ethanol, in billion Btu, United States.

- 1981 forward: EIA, *Monthly Energy Review*, Table 10.3.

ENPRPZZ — Fuel ethanol production, including denaturant, in thousand barrels, by state.

- 1981 through 2009: Based on monthly operating production capacity data from Nebraska Energy Office (https://neo.ne.gov/programs/stats/inf/122_archive.htm); production data (for selected years) supplied by Iowa, Minnesota, Nebraska, South Dakota, and Wisconsin; capacity data from *Petroleum Supply Annual* (1992, 1993, and 1994); and other sources.
- For 2010 forward: Unpublished production data from Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" and monthly operating production capacity data from the Nebraska Energy Office.

Total biofuels

Total biofuel data series are:

BFPRPZZ = Biofuel production, in thousand barrels, by state
= BDPRPZZ + EMPRPZZ
BFFDBZZ = Biomass inputs to the production of biofuels, in billion Btu, by state
= BDFDBZZ + EMFDBZZ

The U.S. totals are the sum of the states' values.

Wood and waste

In general, EIA accounts for wood and waste energy production when they are consumed as energy. For 2016 forward, EIA collects data on densified biomass fuel (mostly wood pellets) production and exports. Because the United States exports about two-thirds of the densified biomass pellets, which are not domestically consumed, EIA defines wood energy production for 2016 forward as wood energy consumption plus densified biomass exports.

EIA calculates total U.S. densified biomass exports in British thermal units (Btu) from survey Form-63C, "Densified Biomass Fuel Report" and are available as an intermediate data series in EIA's *Monthly Energy Review*.

To allocate the U.S. densified biomass exports to the states, SEDS assumes that all densified biomass exports are utility wood pellets produced in the South Census Region. First, SEDS aggregates the annual operating capacity of the plants in the South Central Region that generally export densified biomass to the state-level, using EIA's *Monthly Densified Biomass Fuel Report*, Table 1. SEDS calculates state-level exports by applying the state's operating capacity share to the U.S. total densified biomass exports. Total state-level wood energy production is the sum of the estimated wood exports and consumption.

Before 2016, SEDS assumes wood energy production is equal to the SEDS wood consumption estimates.

Consumption estimates of wood and waste energy, in billion Btu, are from the SEDS consumption dataset.

Variable names and definitions

The independent data series identifying codes for renewable energy data are ("ZZ" represents the two-letter state code in the variable names):

WDEXBZZ = Densified biomass exports, in billion Btu, by state (available for 2016 forward);
WDTCBZZ = Wood energy total consumption, in billion Btu, by state;
WSTCBZZ = Biomass waste energy total consumption, in billion Btu, by state.

Other data series in billion Btu are:

WDPRBZZ = Wood energy production, in billion Btu, by state
= WDTCBZZ before 2016
= WDTCBZZ + WDEXBZZ for 2016 forward

WWPRBZZ = Wood and waste energy production, in billion Btu, by state
= WDPRBZZ + WSTCBZZ

The U.S. totals are the sum of the states' values.

Data sources

WDEXBUS — Densified biomass exports, in billion Btu, United States.

- 2016 forward: Estimated by EIA based on EIA's *Monthly Densified Biomass Fuel Report*, exports and heat content values.

WDEXBZZ — Densified biomass exports, in billion Btu, by state.

- 2016 forward: Estimated by EIA using capacity data from EIA's *Monthly Densified Biomass Fuel Report*, Table 1 and information on the likelihood of exports.

Btu consumption estimates from SEDS are available in comma-separated value (CSV) format: http://www.eia.gov/state/seds/sep_use/total/csv/use_all_btu.csv.

Noncombustible renewable energy sources

Noncombustible renewable energy sources covered in SEDS include:

- Geothermal energy
- Conventional hydroelectric power
- Solar thermal and photovoltaic energy
- Wind energy

EIA assumes that the production of noncombustible renewable energy is equal to consumption. The estimation methods and data sources for renewable energy consumption are described in Section 5: Renewable Energy, SEDS Consumption Technical Notes.

Variable names and definitions

The independent data series identifying codes for renewable energy data are ("ZZ" represents the two-letter state code in the variable names):

GETCBZZ = Geothermal energy total consumption, in billion Btu, by state;
HYTCBZZ = Conventional hydroelectric power total consumption, in billion Btu, by state;
SOTCBZZ = Solar thermal and photovoltaic energy total consumption, in billion Btu, by state; and
WYTCBZZ = Wind energy total consumption, in billion Btu, by state.

The noncombustible renewable energy production series is:

NCPRBZZ = Noncombustible renewable energy production, in billion Btu, by state
= GETCBZZ + HYTCBZZ + SOTCBZZ + WYTCBZZ

The U.S. totals are the sum of the states' values.

Data sources

Btu consumption estimates from SEDS are available in comma-separated value (CSV) format: http://www.eia.gov/

state/seds/sep_use/total/csv/use_all_btu.csv.

Additional Note

Noncombustible renewable energy sources are mostly consumed by the electric power sector. Data for electric power generation are net generation data. Negative generation denotes that electric power consumed for plant use exceeds gross generation. A few such cases can be found in electric power generated by hydroelectric power plants.

Total renewable energy

Total renewable energy production is:

REPRBZZ = Renewable energy production, in billion Btu, by state
= BFFDBZZ + WWPRBZZ + NCPRBZZ

The U.S. totals are the sum of the states' values.