State Energy Production Estimates 1960 Through 2017

Independent Statistics & Analysis
U.S. Energy Information Administration

2017 Summary Tables

Table P1. Primary Energy Production Estimates in Physical Units, 2017

State	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
Alabama	12,861	150,084	6,827	0
Alaska	959	344,385	180,467	0
Arizona	6,221	56	13	1,209
Arkansas	43	707,292	5,288	0
California	0	209,327	174,107	5,289
Colorado	15,047	1,683,388	130,732	3,071
Connecticut	0	0	0	0
Delaware	0	0	0	0
District of Columbia	0	0	0	0
Florida	0	709	1,923	0
Georgia	0	0	0	2,901
Hawaii	0	0	0	0
Idaho	0	3,791	91	1,451
Illinois	48,303	2,131	8,314	41,634
Indiana	31,472	5,914	1,779	28,360
Iowa	0	0	0	97,966
Kansas	0	214,480	35,822	12,137
Kentucky	41,807	88,715	2,477	870
Louisiana	2,079	2,138,918	52,024	0
Maine	0	0	0	0
Maryland	1,808	32	0	0
Massachusetts	0	0	0	0
Michigan	0	97,000	5,319	8,269
Minnesota	0	0	0	28,497
Mississippi	2,604	38,435	17,781	1,306
Missouri	244	1	113	6,189
Montana	35,232	46,090	20,706	0
Nebraska	0	455	2,125	52,081
Nevada	0	3	286	0
New Hampshire	0	0	0	0
New Jersey	0	0	0	0
New Mexico	13,844	1,293,040	171,440	0
New York	0	11,395	184	4,227
North Carolina	0	0	0	0
North Dakota	28,788	594,054	392,127	11,565
Ohio	9,489	1,772,933	18,942	13,249
Oklahoma	561	2,513,896	165,920	0
Oregon	0	659	0	1,015
Pennsylvania	49,131	5,463,888	6,573	2,660
Rhode Island	0	0	0	0
South Carolina	0	0	0	0
South Dakota	0	476	1,305	25,806
Tennessee	431	2,982	271	5,440
Texas	36,382	7,135,494	1,272,575	9,429
Utah	14,326	314,733	34,205	0
Vermont	0	0	0	0
Virginia	13,702	115,452	7	1,451
Washington	0	0	0	0
West Virginia	92,821	1,601,047	9,469	0
Wisconsin	0	0	0	13,364
Wyoming	316,454	1,585,487	75,669	0
Federal Offshore - Gulf of Mexico	—	1,060,300	612,781	—
Federal Offshore - Pacific	—	(e)	5,713	—
United States	774,609	29,197,042	3,413,375	379,435

[a] Includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Includes denaturant. Estimated using production capacity data.
[e] Production of federal offshore natural gas along the Pacific coast is included in California.
— = Not applicable.

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, 2017

State	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]		Biofuels [d]	Other [e]	Total	
	Trillion Btu							
Alabama	326.7	159.7	39.1	446.1	0.0	255.5	255.5	1,227.2
Alaska	14.4	382.7	1,032.8	0.0	0.0	23.7	23.7	1,453.5
Arizona	134.0	0.1	0.1	338.2	6.8	141.9	148.7	621.1
Arkansas	0.8	721.3	30.3	132.7	0.0	109.4	109.4	994.6
California	0.0	236.8	996.4	187.2	29.8	1,085.5	1,115.3	2,535.8
Colorado	320.0	2,002.8	748.2	0.0	17.3	133.5	150.8	3,221.8
Connecticut	0.0	0.0	0.0	172.6	0.0	32.3	32.3	204.9
Delaware	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
District of Columbia	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
Florida	0.0	1.0	11.0	304.8	0.0	237.5	237.5	554.4
Georgia	0.0	0.0	0.0	352.6	16.3	255.5	271.8	624.4
Hawaii	0.0	0.0	0.0	0.0	0.0	26.4	26.4	26.4
Idaho	0.0	4.2	0.5	0.0	8.2	163.1	171.2	175.9
Illinois	1,079.6	2.3	47.6	1,016.5	234.6	135.7	370.3	2,516.3
Indiana	713.4	6.2	10.2	0.0	159.8	89.8	249.5	979.3
Iowa	0.0	0.0	0.0	54.5	552.0	228.6	780.5	835.1
Kansas	0.0	251.6	205.0	111.4	68.4	179.1	247.5	815.5
Kentucky	1,015.1	101.2	14.2	0.0	4.9	77.4	82.3	1,212.9
Louisiana	27.9	2,237.2	297.7	161.2	0.0	232.5	232.5	2,956.6
Maine	0.0	0.0	0.0	0.0	0.0	152.7	152.7	152.7
Maryland	42.8	(s)	0.0	158.0	0.0	55.4	55.4	256.3
Massachusetts	0.0	0.0	0.0	52.8	0.0	72.4	72.4	125.2
Michigan	0.0	103.2	30.4	338.7	46.6	182.6	229.2	701.5
Minnesota	0.0	0.0	0.0	145.4	160.6	199.2	359.8	505.2
Mississippi	32.0	39.7	101.8	77.0	7.4	59.7	67.0	317.5
Missouri	5.3	(s)	0.6	86.9	34.9	55.8	90.7	183.5
Montana	624.8	50.6	118.5	0.0	0.0	136.0	136.0	929.8
Nebraska	0.0	0.5	12.2	72.3	293.4	66.0	359.4	444.3
Nevada	0.0	(s)	1.6	0.0	0.0	98.2	98.2	99.8
New Hampshire	0.0	0.0	0.0	104.5	0.0	59.3	59.3	163.8
New Jersey	0.0	0.0	0.0	355.9	0.0	48.0	48.0	403.9
New Mexico	257.7	1,498.7	981.2	0.0	0.0	67.5	67.5	2,805.0
New York	0.0	11.8	1.1	441.0	23.8	426.8	450.7	904.5
North Carolina	0.0	0.0	0.0	443.2	0.0	217.9	217.9	661.1
North Dakota	394.0	855.8	2,244.1	0.0	65.2	132.3	197.5	3,691.4
Ohio	233.6	1,989.0	108.4	185.0	74.7	79.0	153.6	2,669.6
Oklahoma	12.6	2,934.2	949.6	0.0	0.0	263.5	263.5	4,159.9
Oregon	0.0	0.7	0.0	0.0	5.7	488.8	494.6	495.3
Pennsylvania	1,260.5	5,798.2	37.6	870.2	15.0	186.5	201.5	8,168.0
Rhode Island	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8
South Carolina	0.0	0.0	0.0	568.4	0.0	130.2	130.2	698.6
South Dakota	0.0	0.5	7.5	0.0	145.4	80.2	225.6	233.5
Tennessee	11.2	3.5	1.6	332.8	30.7	145.6	176.3	525.3
Texas	474.3	8,626.3	7,282.9	403.5	53.1	733.0	786.2	17,573.2
Utah	317.8	346.2	195.8	0.0	0.0	53.3	53.3	913.1
Vermont	0.0	0.0	0.0	0.0	0.0	38.0	38.0	38.0
Virginia	343.6	121.6	(s)	319.6	8.2	130.2	138.4	923.2
Washington	0.0	0.0	0.0	85.0	0.0	942.4	942.4	1,027.5
West Virginia	2,390.3	1,931.7	54.2	0.0	0.0	41.8	41.8	4,418.1
Wisconsin	0.0	0.0	0.0	100.9	75.3	140.0	215.3	316.2
Wyoming	5,516.8	1,782.7	433.1	0.0	0.0	56.0	56.0	7,788.4
Federal Offshore - Gulf of Mexico	—	1,218.3	3,506.9	—	—	—	—	4,725.2
Federal Offshore - Pacific	—	(f)	32.7	—	—	—	—	32.7
United States	15,549.2	33,420.3	19,534.7	8,419.0	2,137.9	8,956.4	11,094.2	88,017.4

[a] Includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] 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, 2017

State	Total Production	Total Consumption	Consumption less Production [a]
	Trillion Btu		
Alabama	1,227	1,901	674
Alaska	1,454	608	-845
Arizona	621	1,475	854
Arkansas	995	1,058	63
California	2,536	7,881	5,346
Colorado	3,222	1,463	-1,759
Connecticut	205	726	522
Delaware	3	270	267
District of Columbia	1	168	166
Florida	554	4,209	3,654
Georgia	624	2,802	2,178
Hawaii	26	283	257
Idaho	176	554	378
Illinois	2,516	3,872	1,355
Indiana	979	2,700	1,721
Iowa	835	1,559	724
Kansas	815	1,073	258
Kentucky	1,213	1,658	445
Louisiana	2,957	4,482	1,525
Maine	153	392	239
Maryland	256	1,315	1,058
Massachusetts	125	1,424	1,299
Michigan	702	2,775	2,073
Minnesota	505	1,832	1,327
Mississippi	318	1,176	859
Missouri	183	1,726	1,543
Montana	930	421	-509
Nebraska	444	876	432
Nevada	100	707	607
New Hampshire	164	317	154
New Jersey	404	2,135	1,731
New Mexico	2,805	683	-2,122
New York	905	3,684	2,780
North Carolina	661	2,503	1,842
North Dakota	3,691	631	-3,060
Ohio	2,670	3,644	974
Oklahoma	4,160	1,644	-2,516
Oregon	495	1,032	537
Pennsylvania	8,168	3,808	-4,360
Rhode Island	6	184	178
South Carolina	699	1,644	945
South Dakota	234	385	151
Tennessee	525	2,167	1,641
Texas	17,573	13,366	-4,207
Utah	913	829	-84
Vermont	38	135	97
Virginia	923	2,303	1,379
Washington	1,027	2,097	1,069
West Virginia	4,418	756	-3,662
Wisconsin	316	1,806	1,490
Wyoming	7,788	512	-7,276
United States	88,017 [b]	97,622 [c]	9,604

[a] Represents net interstate flows, net international imports, and stock changes.
[b] U.S. total production includes 4,758 trillion Btu of federal offshore production not allocated to the states.
[c] U.S. total consumption includes -29 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, 2017

Rank	Fossil Fuels						Renewable Energy	
	Coal [a]		Natural Gas [b]		Crude Oil [c]		Fuel Ethanol [d]	
	State	Thousand Short Tons	State	Million Cubic Feet	State	Thousand Barrels	State	Thousand Barrels
	United States	774,609	United States [e]	29,197,042	United States [f]	3,413,375	United States	379,435
1	Wyoming	316,454	Texas	7,135,494	Texas	1,272,575	Iowa	97,966
2	West Virginia	92,821	Pennsylvania	5,463,888	North Dakota	392,127	Nebraska	52,081
3	Pennsylvania	49,131	Oklahoma	2,513,896	Alaska	180,467	Illinois	41,634
4	Illinois	48,303	Louisiana	2,138,918	California	174,107	Minnesota	28,497
5	Kentucky	41,807	Ohio	1,772,933	New Mexico	171,440	Indiana	28,360
6	Texas	36,382	Colorado	1,683,388	Oklahoma	165,920	South Dakota	25,806
7	Montana	35,232	West Virginia	1,601,047	Colorado	130,732	Wisconsin	13,364
8	Indiana	31,472	Wyoming	1,585,487	Wyoming	75,669	Ohio	13,249
9	North Dakota	28,788	New Mexico	1,293,040	Louisiana	52,024	Kansas	12,137
10	Colorado	15,047	Arkansas	707,292	Kansas	35,822	North Dakota	11,565
11	Utah	14,326	North Dakota	594,054	Utah	34,205	Texas	9,429
12	New Mexico	13,844	Alaska	344,385	Montana	20,706	Michigan	8,269
13	Virginia	13,702	Utah	314,733	Ohio	18,942	Missouri	6,189
14	Alabama	12,861	Kansas	214,480	Mississippi	17,781	Tennessee	5,440
15	Ohio	9,489	California	209,327	West Virginia	9,469	California	5,289
16	Arizona	6,221	Alabama	150,084	Illinois	8,314	New York	4,227
17	Mississippi	2,604	Virginia	115,452	Alabama	6,827	Colorado	3,071
18	Louisiana	2,079	Michigan	97,000	Pennsylvania	6,573	Georgia	2,901
19	Maryland	1,808	Kentucky	88,715	Michigan	5,319	Pennsylvania	2,660
20	Alaska	959	Montana	46,090	Arkansas	5,288	Idaho	1,451
21	Oklahoma	561	Mississippi	38,435	Kentucky	2,477	Virginia	1,451
22	Tennessee	431	New York	11,395	Nebraska	2,125	Mississippi	1,306
23	Missouri	244	Indiana	5,914	Florida	1,923	Arizona	1,209
24	Arkansas	43	Idaho	3,791	Indiana	1,779	Oregon	1,015
25			Tennessee	2,982	South Dakota	1,305	Kentucky	870
26			Illinois	2,131	Nevada	286		
27			Florida	709	Tennessee	271		
28			Oregon	659	New York	184		
29			South Dakota	476	Missouri	113		
30			Nebraska	455	Idaho	91		
31			Arizona	56	Arizona	13		
32			Maryland	32	Virginia	7		
33			Nevada	3				
34			Missouri	1				
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[a] Includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Includes denaturant. Estimated using production capacity data.
[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.

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, 2017

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	15,549.2	United States [d]	33,420.3	United States [e]	19,534.7	United States	8,419.0
1	Wyoming	5,516.8	Texas	8,626.3	Texas	7,282.9	Illinois	1,016.5
2	West Virginia	2,390.3	Pennsylvania	5,798.2	North Dakota	2,244.1	Pennsylvania	870.2
3	Pennsylvania	1,260.5	Oklahoma	2,934.2	Alaska	1,032.8	South Carolina	568.4
4	Illinois	1,079.6	Louisiana	2,237.2	California	996.4	Alabama	446.1
5	Kentucky	1,015.1	Colorado	2,002.8	New Mexico	981.2	North Carolina	443.2
6	Indiana	713.4	Ohio	1,989.0	Oklahoma	949.6	New York	441.0
7	Montana	624.8	West Virginia	1,931.7	Colorado	748.2	Texas	403.5
8	Texas	474.3	Wyoming	1,782.7	Wyoming	433.1	New Jersey	355.9
9	North Dakota	394.0	New Mexico	1,498.7	Louisiana	297.7	Georgia	352.6
10	Virginia	343.6	North Dakota	855.8	Kansas	205.0	Michigan	338.7
11	Alabama	326.7	Arkansas	721.3	Utah	195.8	Arizona	338.2
12	Colorado	320.0	Alaska	382.7	Montana	118.5	Tennessee	332.8
13	Utah	317.8	Utah	346.2	Ohio	108.4	Virginia	319.6
14	New Mexico	257.7	Kansas	251.6	Mississippi	101.8	Florida	304.8
15	Ohio	233.6	California	236.8	West Virginia	54.2	California	187.2
16	Arizona	134.0	Alabama	159.7	Illinois	47.6	Ohio	185.0
17	Maryland	42.8	Virginia	121.6	Alabama	39.1	Connecticut	172.6
18	Mississippi	32.0	Michigan	103.2	Pennsylvania	37.6	Louisiana	161.2
19	Louisiana	27.9	Kentucky	101.2	Michigan	30.4	Maryland	158.0
20	Alaska	14.4	Montana	50.6	Arkansas	30.3	Minnesota	145.4
21	Oklahoma	12.6	Mississippi	39.7	Kentucky	14.2	Arkansas	132.7
22	Tennessee	11.2	New York	11.8	Nebraska	12.2	Kansas	111.4
23	Missouri	5.3	Indiana	6.2	Florida	11.0	New Hampshire	104.5
24	Arkansas	0.8	Idaho	4.2	Indiana	10.2	Wisconsin	100.9
25			Tennessee	3.5	South Dakota	7.5	Missouri	86.9
26			Illinois	2.3	Nevada	1.6	Washington	85.0
27			Florida	1.0	Tennessee	1.6	Mississippi	77.0
28			Oregon	0.7	New York	1.1	Nebraska	72.3
29			South Dakota	0.5	Missouri	0.6	Iowa	54.5
30			Nebraska	0.5	Idaho	0.5	Massachusetts	52.8
31			Arizona	0.1	Arizona	0.1		
32			Maryland	(s)	Virginia	(s)		
33			Nevada	(s)				
34			Missouri	(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, 2017

Rank	Renewable Energy						Total Primary Energy Production	
	Biofuels [a]		Other [b]		Total			
	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu	State	Trillion Btu
	United States	2,137.9	United States	8,956.4	United States	11,094.2	United States [c]	88,017.4
1	Iowa	552.0	California	1,085.5	California	1,115.3	Texas	17,573.2
2	Nebraska	293.4	Washington	942.4	Washington	942.4	Pennsylvania	8,168.0
3	Illinois	234.6	Texas	733.0	Texas	786.2	Wyoming	7,788.4
4	Minnesota	160.6	Oregon	488.8	Iowa	780.5	West Virginia	4,418.1
5	Indiana	159.8	New York	426.8	Oregon	494.6	Oklahoma	4,159.9
6	South Dakota	145.4	Oklahoma	263.5	New York	450.7	North Dakota	3,691.4
7	Wisconsin	75.3	Alabama	255.5	Illinois	370.3	Colorado	3,221.8
8	Ohio	74.7	Georgia	255.5	Minnesota	359.8	Louisiana	2,956.6
9	Kansas	68.4	Florida	237.5	Nebraska	359.4	New Mexico	2,805.0
10	North Dakota	65.2	Louisiana	232.5	Georgia	271.8	Ohio	2,669.6
11	Texas	53.1	Iowa	228.6	Oklahoma	263.5	California	2,535.8
12	Michigan	46.6	North Carolina	217.9	Alabama	255.5	Illinois	2,516.3
13	Missouri	34.9	Minnesota	199.2	Indiana	249.5	Alaska	1,453.5
14	Tennessee	30.7	Pennsylvania	186.5	Kansas	247.5	Alabama	1,227.2
15	California	29.8	Michigan	182.6	Florida	237.5	Kentucky	1,212.9
16	New York	23.8	Kansas	179.1	Louisiana	232.5	Washington	1,027.5
17	Colorado	17.3	Idaho	163.1	Michigan	229.2	Arkansas	994.6
18	Georgia	16.3	Maine	152.7	South Dakota	225.6	Indiana	979.3
19	Pennsylvania	15.0	Tennessee	145.6	North Carolina	217.9	Montana	929.8
20	Idaho	8.2	Arizona	141.9	Wisconsin	215.3	Virginia	923.2
21	Virginia	8.2	Wisconsin	140.0	Pennsylvania	201.5	Utah	913.1
22	Mississippi	7.4	Montana	136.0	North Dakota	197.5	New York	904.5
23	Arizona	6.8	Illinois	135.7	Tennessee	176.3	Iowa	835.1
24	Oregon	5.7	Colorado	133.5	Idaho	171.2	Kansas	815.5
25	Kentucky	4.9	North Dakota	132.3	Ohio	153.6	Michigan	701.5
26			South Carolina	130.2	Maine	152.7	South Carolina	698.6
27			Virginia	130.2	Colorado	150.8	North Carolina	661.1
28			Arkansas	109.4	Arizona	148.7	Georgia	624.4
29			Nevada	98.2	Virginia	138.4	Arizona	621.1
30			Indiana	89.8	Montana	136.0	Florida	554.4
31			South Dakota	80.2	South Carolina	130.2	Tennessee	525.3
32			Ohio	79.0	Arkansas	109.4	Minnesota	505.2
33			Kentucky	77.4	Nevada	98.2	Oregon	495.3
34			Massachusetts	72.4	Missouri	90.7	Nebraska	444.3
35			New Mexico	67.5	Kentucky	82.3	New Jersey	403.9
36			Nebraska	66.0	Massachusetts	72.4	Mississippi	317.5
37			Mississippi	59.7	New Mexico	67.5	Wisconsin	316.2
38			New Hampshire	59.3	Mississippi	67.0	Maryland	256.3
39			Wyoming	56.0	New Hampshire	59.3	South Dakota	233.5
40			Missouri	55.8	Wyoming	56.0	Connecticut	204.9
41			Maryland	55.4	Maryland	55.4	Missouri	183.5
42			Utah	53.3	Utah	53.3	Idaho	175.9
43			New Jersey	48.0	New Jersey	48.0	New Hampshire	163.8
44			West Virginia	41.8	West Virginia	41.8	Maine	152.7
45			Vermont	38.0	Vermont	38.0	Massachusetts	125.2
46			Connecticut	32.3	Connecticut	32.3	Nevada	99.8
47			Hawaii	26.4	Hawaii	26.4	Vermont	38.0
48			Alaska	23.7	Alaska	23.7	Hawaii	26.4
49			Rhode Island	5.8	Rhode Island	5.8	Rhode Island	5.8
50			Delaware	3.3	Delaware	3.3	Delaware	3.3
51			District of Columbia	1.3	District of Columbia	1.3	District of Columbia	1.3

[a] Biomass inputs (feedstock) for fuel ethanol production.

[b] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.

[c] Includes federal offshore production of natural gas and crude oil.

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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	436,425	12,771,038	2,574,933	NA
1961	422,535	13,254,025	2,621,758	NA
1962	441,072	13,876,622	2,676,189	NA
1963	479,356	14,746,663	2,752,723	NA
1964	506,453	15,546,592	2,786,822	NA
1965	529,355	16,039,753	2,848,514	NA
1966	549,065	17,206,628	3,027,763	NA
1967	567,031	18,171,325	3,215,742	NA
1968	558,995	19,322,400	3,329,042	NA
1969	573,226	20,698,240	3,371,751	NA
1970	614,969	21,920,642	3,517,450	NA
1971	563,122	22,493,012	3,453,914	NA
1972	602,491	22,531,698	3,455,368	NA
1973	598,569	22,647,549	3,360,903	NA
1974	610,021	21,600,522	3,202,585	NA
1975	654,641	20,108,661	3,056,779	NA
1976	684,914	19,952,438	2,976,180	NA
1977	697,205	20,025,463	3,009,265	NA
1978	670,164	19,974,033	3,178,216	NA
1979	781,135	20,471,260	3,121,310	NA
1980	829,747	20,179,724	3,146,365	NA
1981	823,771	19,955,823	3,128,624	1,978
1982	838,096	18,582,001	3,156,715	5,369
1983	781,905	16,884,095	3,170,999	9,890
1984	895,798	18,304,341	3,249,696	12,150
1985	883,640	17,270,223	3,274,553	14,693
1986	890,316	16,858,673	3,168,252	16,954
1987	918,760	17,432,903	3,047,378	19,497
1988	950,266	17,918,463	2,979,126	19,780
1989	980,741	18,095,148	2,778,771	20,062
1990	1,029,077	18,593,792	2,684,679	17,802
1991	995,984	18,532,439	2,707,043	20,627
1992	997,543	18,711,808	2,624,631	23,453
1993	945,425	18,981,915	2,499,044	27,484
1994	1,033,507	19,709,525	2,431,483	30,689
1995	1,032,973	19,506,474	2,394,268	32,325
1996	1,063,858	19,812,241	2,366,021	23,178
1997	1,089,933	19,866,092	2,354,832	30,674
1998	1,117,533	19,961,349	2,281,921	33,453
1999	1,100,470	19,804,848	2,146,726	34,881
2000	1,073,611	20,197,510	2,130,720	38,627
2001	1,127,687	20,570,293	2,117,521	42,028
2002	1,094,283	19,884,781	2,096,587	50,956
2003	1,071,752	19,974,358	2,061,994	66,772
2004	1,112,100	19,517,490	1,991,394	81,058
2005	1,131,500	18,927,095	1,892,097	92,961
2006	1,162,751	19,409,672	1,856,339	116,294
2007	1,146,636	20,196,348	1,851,973	155,263
2008	1,171,808	21,112,051	1,829,878 R	221,637
2009	1,074,921	21,647,934	1,952,420 R	260,424
2010	1,084,369	22,381,873	1,999,353 R	316,617
2011	1,095,628	24,036,351	2,063,809 R	331,646
2012	1,016,458	25,283,280	2,379,554 R	314,714
2013	984,842	25,562,233	2,725,435 R	316,493
2014	1,000,049	27,497,754	3,196,890 R	340,781
2015	896,941	28,772,045	3,442,187 R	352,553
2016	728,364	28,400,047 R	3,232,022 R	366,981
2017	774,609	29,197,042	3,413,375	379,435

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	10,590	14,136 R	14,935	6	NA	2,928	2,928	42,595 R
1961	10,239	14,661 R	15,206	20	NA	2,952	2,952	43,078 R
1962	10,671	15,336 R	15,522	26	NA	3,117	3,117	44,673 R
1963	11,605	16,284 R	15,966	38	NA	3,096	3,096	46,990 R
1964	12,274	17,164 R	16,164	40	NA	3,225	3,225	48,866 R
1965	12,832	17,702 R	16,521	43	NA	3,396	3,396	50,494 R
1966	13,281	18,970 R	17,561	64	NA	3,432	3,432	53,309 R
1967	13,697	20,012 R	18,651	88	NA	3,690	3,690	56,139 R
1968	13,487	21,261 R	19,308	142	NA	3,773	3,773	57,971 R
1969	13,833	22,740 R	19,556	154	NA	4,095	4,095	60,378 R
1970	14,877	24,055 R	20,401	239	NA	4,070	4,070	63,642 R
1971	13,518	24,702 R	20,033	413	NA	4,262	4,262	62,928 R
1972	14,392	24,774 R	20,041	584	NA	4,382	4,382	64,172 R
1973	14,006	24,828 R	19,493	910	NA	4,411	4,411	63,648 R
1974	14,025	23,678 R	18,575	1,272	NA	4,742	4,742	62,292 R
1975	14,982	22,056 R	17,729	1,900	NA	4,687	4,687	61,354 R
1976	15,689	21,858 R	17,262	2,111	NA	4,727	4,727	61,647 R
1977	15,760	21,956 R	17,454	2,702	NA	4,209	4,209	62,080 R
1978	14,979	21,859 R	18,434	3,024	NA	5,005	5,005	63,301 R
1979	17,618	22,413 R	18,104	2,776	NA	5,123	5,123	66,033 R
1980	18,630	22,219 R	18,249	2,739	NA	5,425	5,425	67,261 R
1981	18,524	22,025 R	18,146	3,008	13	5,404	5,417	67,120 R
1982	18,827	20,527 R	18,309	3,131	34	5,947	5,981	66,774 R
1983	17,364	18,738 R	18,392	3,203	63	6,432	6,496	64,192 R
1984	19,914	20,310 R	18,848	3,553	77	6,361	6,438	69,063 R
1985	19,514	19,252 R	18,992	4,076	93	5,991	6,084	67,918 R
1986	19,676	18,756 R	18,376	4,380	107	6,004	6,111	67,300 R
1987	20,295	19,455 R	17,675	4,754	123	5,502	5,624	67,804 R
1988	20,949	19,976 R	17,279	5,587	124	5,333	5,457	69,247 R
1989	21,517	20,067 R	16,117	5,602	125	6,109	6,235	69,538 R
1990	22,761	20,623 R	15,571	6,104	111	5,931	6,042	71,101 R
1991	21,869	20,615 R	15,701	6,422	128	5,940	6,068	70,675 R
1992	21,898	20,832 R	15,223	6,479	145	5,676	5,821	70,252 R
1993	20,358	21,008 R	14,494	6,410	169	5,910	6,080	68,351 R
1994	22,346	21,765 R	14,103	6,694	188	5,799	5,987	70,894 R
1995	22,179	21,589 R	13,887	7,075	198	6,360	6,557	71,287 R
1996	22,839	21,958 R	13,723	7,087	141	6,870	7,011	72,617 R
1997	23,413	22,300 R	13,658	6,597	186	6,828	7,014	72,982 R
1998	23,917	22,156 R	13,235	7,068	202	6,290	6,493	72,869 R
1999	23,177	21,842 R	12,451	7,610	211	6,306	6,517	71,597 R
2000	22,595	22,320 R	12,358	7,862	233	5,869	6,102	71,238 R
2001	23,588	22,585 R	12,282	8,029	253	4,912	5,165	71,648 R
2002	22,730	21,894 R	12,160	8,145	307	5,423	5,730 R	70,659 R
2003	22,055	21,943 R	11,960	7,960	400	5,541	5,941	69,858 R
2004	22,822	21,550 R	11,550	8,223	482	5,577	6,059	70,203 R
2005	23,183	20,900 R	10,974	8,161	550	5,658	6,208 R	69,426 R
2006	23,644	21,381 R	10,767	8,215	683	5,871 R	6,554	70,561 R
2007	23,337	22,182 R	10,741	8,459	907	5,540	6,447	71,167 R
2008	23,706	23,103 R	10,613 R	8,426	1,286	5,818 R	7,104 R	72,953 R
2009	21,690	23,689 R	11,324 R	8,355	1,503	6,055 R	7,558	72,617 R
2010	21,831	24,593 R	11,596 R	8,434	1,823	6,446 R	8,269 R	74,724 R
2011	22,057	26,409 R	11,970 R	8,269	1,904	7,270 R	9,174 R	77,880 R
2012	20,585	27,872 R	13,801 R	8,062	1,801	6,957 R	8,758 R	79,079 R
2013	19,902	28,421 R	15,808 R	8,244	1,805	7,437 R	9,242 R	81,617 R
2014	20,171	30,873 R	18,542 R	8,338	1,938	7,663 R	9,601 R	87,524 R
2015	17,931	32,717 R	19,679 R	8,337	1,998	7,567 R	9,565 R	88,229 R
2016	14,538	32,428 R	18,494 R	8,427	2,072	8,153 R	10,225 R	84,112 R
2017	15,549	33,420	19,535	8,419	2,138	8,956	11,094	88,017

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	13,011	57	7,329	NA
1961	12,915	56	6,931	NA
1962	12,880	128	7,473	NA
1963	12,359	177	9,175	NA
1964	14,435	166	8,498	NA
1965	14,832	203	8,064	NA
1966	14,219	252	8,030	NA
1967	15,486	248	7,348	NA
1968	16,440	230	7,635	NA
1969	17,456	180	7,701	NA
1970	20,560	627	7,263	NA
1971	17,945	355	7,832	NA
1972	20,814	3,644	9,934	NA
1973	19,230	11,271	11,677	NA
1974	19,824	27,865	13,323	NA
1975	22,644	37,814	13,477	NA
1976	21,537	41,427	14,706	NA
1977	21,545	57,227	18,252	NA
1978	20,553	85,599	19,829	NA
1979	24,176	85,815	19,161	NA
1980	26,403	65,294	22,153	NA
1981	24,467	79,244	20,680	0
1982	26,556	75,003	20,014	0
1983	23,812	90,801	18,746	0
1984	27,088	101,822	19,804	0
1985	27,797	107,342	21,581	0
1986	25,826	107,184	21,122	0
1987	25,540	117,241	20,607	0
1988	26,518	129,524	20,797	0
1989	27,992	128,411	19,813	0
1990	29,030	135,276	18,538	0
1991	27,269	170,847	18,637	0
1992	25,796	275,805	19,025	0
1993	24,768	301,509	18,677	0
1994	23,266	394,770	18,345	0
1995	24,640	375,958	18,731	0
1996	24,637	378,786	16,868	0
1997	24,468	388,596	14,832	0
1998	23,013	392,394	12,398	0
1999	19,504	381,701	11,123	0
2000	19,324	363,467	10,457	0
2001	19,513	356,810	9,334	0
2002	19,061	356,061	8,636	0
2003	20,207	346,145	7,894	0
2004	22,329	316,021	7,443	0
2005	21,453	296,528	7,861	0
2006	19,022	286,220	7,539	0
2007	19,522	270,407	7,171	0
2008	21,157	257,884	7,696	0
2009	19,171	236,029	7,189	0
2010	20,396	222,932	7,155	0
2011	19,381	195,581	8,373	0
2012	19,455	215,710	9,525	0
2013	18,628	196,326	10,408	0
2014	16,377	181,060	9,825 R	0
2015	13,193	168,246	9,694	0
2016	9,643	164,815 R	8,107	0
2017	12,861	150,084	6,827	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. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	318.8	0.1	42.5	0.0	NA	112.8	112.8	474.2
1961	316.5	0.1	40.2	0.0	NA	118.0	118.0	474.8
1962	315.6	0.2	43.3	0.0	NA	125.6	125.6	484.7
1963	302.8	0.3	53.2	0.0	NA	112.7	112.7	469.0
1964	353.7	0.3	49.3	0.0	NA	138.0	138.0	541.3
1965	363.4	0.3	46.8	0.0	NA	121.9	121.9	532.4
1966	348.4	0.4	46.6	0.0	NA	121.2	121.2	516.6
1967	379.5	0.4	42.6	0.0	NA	144.4	144.4	566.9
1968	402.8	0.4	44.3	0.0	NA	129.7	129.7	577.2
1969	427.7	0.3	44.7	0.0	NA	131.9	131.9	604.6
1970	503.8	1.0	42.1	0.0	NA	132.5	132.5	679.4
1971	439.7	0.9	45.4	0.0	NA	158.2	158.2	644.2
1972	510.0	4.2	57.6	0.0	NA	164.9	164.9	736.8
1973	453.4	11.9	67.7	3.4	NA	181.7	181.7	718.2
1974	463.4	29.5	77.3	70.2	NA	166.7	166.7	807.1
1975	534.7	40.0	78.2	30.0	NA	184.7	184.7	867.5 R
1976	508.5	43.7	85.3	46.6	NA	161.0	161.0	845.0
1977	505.6	60.4 R	105.9	210.2	NA	174.8	174.8	1,056.9
1978	492.2	91.3 R	115.0	249.8	NA	148.3	148.3	1,096.6 R
1979	579.9	96.5 R	111.1	240.3	NA	190.7	190.7	1,218.7 R
1980	633.4	75.4 R	128.5	256.3	NA	238.8	238.8	1,332.3 R
1981	592.5	90.1 R	119.9	260.8	0.0	213.4	213.4	1,276.7 R
1982	645.4	87.1 R	116.1	306.7	0.0	265.5	265.5	1,420.7 R
1983	577.1	101.9 R	108.7	274.2	0.0	281.9	281.9	1,344.0 R
1984	657.1	113.4 R	114.9	262.5	0.0	287.9	287.9	1,435.8 R
1985	676.3	120.0 R	125.2	152.0	0.0	247.4	247.4	1,320.8 R
1986	634.5	118.8 R	122.5	122.3	0.0	213.8	213.8	1,211.9 R
1987	627.5	129.0 R	119.5	117.5	0.0	229.6	229.6	1,223.0 R
1988	649.8	141.3 R	120.6	137.6	0.0	213.1	213.1	1,262.4 R
1989	680.3	140.5 R	114.9	122.0	0.0	302.4	302.4	1,360.1 R
1990	707.8	147.5 R	107.5	127.5	0.0	251.7	251.7	1,341.9 R
1991	662.2	183.8 R	108.1	166.4	0.0	255.6	255.6	1,376.0 R
1992	623.9	292.3 R	110.3	203.1	0.0	255.0	255.0	1,484.7 R
1993	600.9	319.6 R	108.3	187.2	0.0	268.1	268.1	1,484.1 R
1994	568.6	415.8 R	106.4	214.1	0.0	332.5	332.5	1,637.3 R
1995	607.2	395.3 R	108.6	218.0	0.0	320.1	320.1	1,649.2 R
1996	607.0	399.8 R	97.8	312.0	0.0	323.4	323.4	1,740.0 R
1997	600.7	411.6 R	86.0	310.3	0.0	299.7	299.7	1,708.3 R
1998	568.3	414.2 R	71.9	300.7	0.0	317.1	317.1	1,672.2 R
1999	477.6	422.5 R	64.5	322.8	0.0	290.2	290.2	1,577.6 R
2000	472.7	414.4 R	60.7	327.1	0.0	263.3	263.3	1,538.2 R
2001	470.0	391.3 R	54.1	317.0	0.0	251.5	251.5	1,483.9 R
2002	460.2	390.1 R	50.1	332.7	0.0	252.7	252.7	1,485.7 R
2003	486.4	374.8 R	45.8	330.1	0.0	283.4	283.4	1,520.5 R
2004	531.2	348.2 R	43.2	329.9	0.0	290.7	290.7	1,543.2 R
2005	518.4	327.3 R	45.6	330.8	0.0	279.6	279.6	1,501.7 R
2006	443.0	326.3 R	43.7	333.0	0.0	266.2	266.2	1,412.2 R
2007	469.0	308.0 R	41.6	360.0	0.0	228.2	228.2	1,406.8 R
2008	506.8	289.3 R	44.6	407.6	0.0	233.4	233.4	1,481.7 R
2009	459.5	267.1 R	41.7	415.4	0.0	264.5	264.5	1,448.2 R
2010	493.1	256.1 R	41.5	396.6	0.0	242.2 R	242.2 R	1,429.5
2011	468.7	225.6 R	48.6	411.8	0.0	255.8 R	255.8 R	1,410.5 R
2012	488.1	229.9 R	55.2	428.0	0.0	242.1 R	242.1 R	1,443.3 R
2013	469.2	211.3 R	60.4	426.5	0.0	310.5 R	310.5 R	1,477.8 R
2014	414.4	195.6 R	57.0	431.4	0.0	268.4 R	268.4 R	1,366.8 R
2015	331.4	182.5 R	55.4	438.7	0.0	257.0 R	257.0 R	1,265.1 R
2016	247.6	176.3 R	46.4	417.3	0.0	228.8 R	228.8 R	1,116.5 R
2017	326.7	159.7	39.1	446.1	0.0	255.5	255.5	1,227.2

[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) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	722	246	559	NA
1961	737	631	6,327	NA
1962	871	2,184	10,259	NA
1963	853	4,498	10,740	NA
1964	745	6,272	11,059	NA
1965	893	7,255	11,128	NA
1966	927	11,267	14,358	NA
1967	925	14,438	29,126	NA
1968	750	17,343	66,204	NA
1969	667	50,864	73,953	NA
1970	549	111,576	83,616	NA
1971	698	121,618	79,494	NA
1972	668	125,596	72,893	NA
1973	694	131,007	72,323	NA
1974	700	128,935	70,603	NA
1975	766	160,270	69,834	NA
1976	706	166,072	63,398	NA
1977	705	187,889	169,201	NA
1978	731	203,088	448,620	NA
1979	789	220,754	511,335	NA
1980	791	230,588	591,646	NA
1981	808	242,564	587,337	0
1982	833	264,364	618,910	0
1983	786	276,691	625,527	0
1984	859	289,129	630,401	0
1985	1,433	321,346	666,233	0
1986	1,570	304,841	681,310	0
1987	1,492	359,837	715,955	0
1988	1,745	378,638	738,143	0
1989	1,582	393,729	683,979	0
1990	1,706	402,907	647,309	0
1991	1,436	437,822	656,349	0
1992	1,534	443,597	627,322	0
1993	1,601	430,350	577,495	0
1994	1,567	555,402	568,951	0
1995	1,698	469,550	541,654	0
1996	1,481	480,828	509,999	0
1997	1,450	468,311	472,949	0
1998	1,344	466,648	428,850	0
1999	1,565	462,967	383,199	0
2000	1,641	458,995	355,199	0
2001	1,514	471,440	351,411	0
2002	1,146	463,301	359,382	0
2003	1,081	489,757	355,603	0
2004	1,512	471,899	332,441	0
2005	1,454	487,282	315,387	0
2006	1,425	444,724	270,481	0
2007	1,324	433,485	263,595	0
2008	1,477	398,442	249,893	0
2009	1,860	397,077	235,510	0
2010	2,151	374,226	218,904	0
2011	2,149	356,225	204,829	0
2012	2,052	351,259	192,401	0
2013	1,632	338,182	187,923	0
2014	1,502	345,310	181,130	0
2015	1,177	343,625	176,235	0
2016	932	332,749 R	179,169	0
2017	959	344,385	180,467	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	11.3	0.2	3.2	0.0	NA	6.8	6.8	21.6
1961	11.5	0.6	36.7	0.0	NA	7.3	7.3	56.1
1962	13.6	2.2	59.5	0.0	NA	7.5	7.5	82.7
1963	13.3	4.5	62.3	0.0	NA	7.8	7.8	87.9
1964	11.6	6.3	64.1	0.0	NA	8.1	8.1	90.2
1965	13.9	7.3	64.5	0.0	NA	8.5	8.5	94.3
1966	14.5	11.4	83.3	0.0	NA	8.3	8.3	117.4
1967	14.4	14.6	168.9	0.0	NA	8.5	8.5	206.4
1968	11.7	17.5	384.0	0.0	NA	8.5	8.5	421.7
1969	10.4	51.4 R	428.9	0.0	NA	8.5	8.5	499.1
1970	8.6	112.6	485.0	0.0	NA	8.8	8.8	615.0
1971	10.9	122.4	461.1	0.0	NA	9.1	9.1	603.5
1972	10.4	127.8	422.8	0.0	NA	8.7	8.7	569.7 R
1973	10.8	134.3	419.5	0.0	NA	7.8	7.8	572.5 R
1974	10.9	131.8	409.5	0.0	NA	8.3	8.3	560.5
1975	12.0	163.5	405.0	0.0	NA	8.6	8.6	589.1
1976	11.0	169.4 R	367.7	0.0	NA	9.2	9.2	557.3 R
1977	11.0	191.5 R	981.4	0.0	NA	11.4	11.4	1,195.3 R
1978	11.4	204.9	2,602.0	0.0	NA	10.8	10.8	2,829.1
1979	12.3	222.2	2,965.7	0.0	NA	10.7	10.7	3,211.0
1980	12.3	232.4 R	3,431.5	0.0	NA	8.3	8.3	3,684.6
1981	12.6	244.8 R	3,406.6	0.0	0.0	9.2	9.2	3,673.1
1982	13.0	265.4	3,589.7	0.0	0.0	8.7	8.7	3,876.8
1983	12.3	278.2	3,628.1	0.0	0.0	9.6	9.6	3,928.1
1984	13.4	295.5	3,656.3	0.0	0.0	11.2	11.2	3,976.4 R
1985	22.4	336.9 R	3,864.2	0.0	0.0	11.8	11.8	4,235.2 R
1986	24.5	315.8	3,951.6	0.0	0.0	10.7	10.7	4,302.6
1987	23.3	404.9 R	4,152.5	0.0	0.0	12.0	12.0	4,592.7 R
1988	27.2	431.6 R	4,281.2	0.0	0.0	12.8	12.8	4,752.8 R
1989	24.7	436.7 R	3,967.1	0.0	0.0	18.3	18.3	4,446.8 R
1990	26.6	432.9 R	3,754.4	0.0	0.0	18.4	18.4	4,232.2 R
1991	22.4	501.6 R	3,806.8	0.0	0.0	17.4	17.4	4,348.2 R
1992	23.9	513.4 R	3,638.5	0.0	0.0	18.3	18.3	4,194.1 R
1993	25.0	497.7 R	3,349.5	0.0	0.0	20.6	20.6	3,892.7 R
1994	24.4	622.3 R	3,299.9	0.0	0.0	23.6	23.6	3,970.2 R
1995	26.5	547.5 R	3,141.6	0.0	0.0	22.5	22.5	3,738.1 R
1996	23.1	557.2 R	2,958.0	0.0	0.0	21.2	21.2	3,559.5 R
1997	22.6	552.7 R	2,743.1	0.0	0.0	15.0	15.0	3,333.4 R
1998	21.0	547.0 R	2,487.3	0.0	0.0	13.3	13.3	3,068.6 R
1999	24.4	541.7 R	2,222.6	0.0	0.0	10.2	10.2	2,798.8 R
2000	25.6	549.2 R	2,060.2	0.0	0.0	12.2	12.2	2,647.2 R
2001	23.6	553.3 R	2,038.2	0.0	0.0	17.0	17.0	2,632.1 R
2002	17.9	539.4 R	2,084.4	0.0	0.0	17.9	17.9	2,659.6 R
2003	16.9	562.7 R	2,062.5	0.0	0.0	19.4	19.4	2,661.4 R
2004	23.6	543.8 R	1,928.2	0.0	0.0	18.4	18.4	2,513.9 R
2005	22.7	548.4 R	1,829.2	0.0	0.0	15.9	15.9	2,416.2 R
2006	22.2	497.1 R	1,568.8	0.0	0.0	13.3	13.3	2,101.4 R
2007	20.7	489.3 R	1,528.9	0.0	0.0	14.0	14.0	2,052.9 R
2008	23.0	448.5 R	1,449.4	0.0	0.0	12.9	12.9	1,933.8 R
2009	29.0	443.7 R	1,366.0	0.0	0.0	15.7	15.7	1,854.3 R
2010	33.6	419.3 R	1,269.6	0.0	0.0	17.0 R	17.0 R	1,739.5 R
2011	33.5	405.7 R	1,188.0	0.0	0.0	16.1 R	16.1 R	1,643.3 R
2012	31.3	399.4 R	1,115.9	0.0	0.0	17.8 R	17.8 R	1,564.5 R
2013	24.9	380.7 R	1,090.0	0.0	0.0	18.6 R	18.6 R	1,514.2 R
2014	22.9	381.9 R	1,050.6	0.0	0.0	19.8	19.8	1,475.2 R
2015	17.7	380.9 R	1,007.5	0.0	0.0	23.8 R	23.8 R	1,430.0 R
2016	13.9	369.9 R	1,025.2	0.0	0.0	25.2 R	25.2 R	1,434.2 R
2017	14.4	382.7	1,032.8	0.0	0.0	23.7	23.7	1,453.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	6	0	73	NA
1961	0	0	73	NA
1962	0	230	39	NA
1963	0	1,334	68	NA
1964	0	2,025	64	NA
1965	0	3,106	97	NA
1966	0	3,161	132	NA
1967	1	1,255	2,924	NA
1968	0	881	3,370	NA
1969	0	1,136	2,433	NA
1970	132	1,101	1,784	NA
1971	1,146	868	1,236	NA
1972	2,954	442	993	NA
1973	3,247	125	804	NA
1974	6,448	224	740	NA
1975	6,986	208	635	NA
1976	10,420	262	519	NA
1977	11,059	240	427	NA
1978	9,054	286	418	NA
1979	11,389	247	472	NA
1980	10,905	214	406	NA
1981	11,609	187	357	0
1982	12,364	99	335	0
1983	11,404	132	237	0
1984	11,522	45	215	0
1985	9,625	85	175	0
1986	11,556	63	161	0
1987	11,379	60	131	0
1988	12,398	56	113	0
1989	11,935	1,360	137	0
1990	11,304	2,125	121	0
1991	13,203	1,225	111	0
1992	12,512	771	94	0
1993	12,173	597	73	0
1994	13,056	752	65	0
1995	11,947	558	71	0
1996	10,442	463	84	0
1997	11,723	452	82	0
1998	11,315	457	78	0
1999	11,787	474	66	0
2000	13,111	368	59	0
2001	13,418	307	59	0
2002	12,804	301	63	0
2003	12,059	443	47	0
2004	12,731	331	54	0
2005	12,072	233	50	0
2006	8,216	611	55	0
2007	7,983	655	43	659
2008	8,025	523	54 R	1,290
2009	7,474	712	46	1,308
2010	7,753	183	37 R	1,373
2011	8,111	168	37	1,345
2012	7,493	117	52	955
2013	7,603	72	60	0
2014	8,051	106	56	1,038
2015	6,805	95	37	1,217
2016	5,423	47	8	1,216
2017	6,221	56	13	1,209

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.1	0.0	0.4	0.0	NA	36.2	36.2	36.7
1961	0.0	0.0	0.4	0.0	NA	35.1	35.1	35.5
1962	0.0	0.2	0.2	0.0	NA	34.5	34.5	35.0
1963	0.0	1.4	0.4	0.0	NA	34.9	34.9	36.7
1964	0.0	2.1	0.4	0.0	NA	34.3	34.3	36.8
1965	0.0	3.3	0.6	0.0	NA	50.1	50.1	53.9
1966	0.0	3.3	0.8	0.0	NA	58.1	58.1	62.2
1967	(s)	1.3	17.0	0.0	NA	56.4	56.4	74.7
1968	0.0	0.9	19.5	0.0	NA	63.5	63.5	83.9
1969	0.0	1.2	14.1	0.0	NA	67.8	67.8	83.2
1970	2.9	1.2	10.3	0.0	NA	68.9	68.9	83.3
1971	25.3	0.9	7.2	0.0	NA	74.1	74.1	107.5
1972	65.2	0.5	5.8	0.0	NA	75.2	75.2	146.6
1973	71.7	0.1	4.7	0.0	NA	79.3	79.3	155.8
1974	142.4	0.2	4.3	0.0	NA	82.1	82.1	229.0
1975	154.3	0.2	3.7	0.0	NA	80.9	80.9	239.1
1976	230.1	0.3	3.0	0.0	NA	84.4	84.4	317.8
1977	244.2	0.3	2.5	0.0	NA	75.7	75.7	322.6
1978	199.9	0.3	2.4	0.0	NA	79.9	79.9	282.5
1979	251.5	0.3	2.7	0.0	NA	83.4	83.4	337.9
1980	240.8	0.2	2.4	0.0	NA	120.0	120.0	363.4
1981	256.3	0.2	2.1	0.0	0.0	92.6	92.6	351.2
1982	273.0	0.1	1.9	0.0	0.0	94.9	94.9	370.0
1983	251.8	0.1	1.4	0.0	0.0	176.0	176.0	429.3
1984	254.4	(s)	1.2	0.0	0.0	188.8	188.8	444.5
1985	212.5	0.1	1.0	12.0	0.0	171.7	171.7	397.3
1986	255.2	0.1	0.9	105.5	0.0	175.1	175.1	536.8
1987	251.3	0.1	0.8	140.5	0.0	123.1	123.1	515.7
1988	273.8	0.1	0.7	243.2	0.0	98.7	98.7	616.4
1989	263.5	1.4	0.8	83.1	0.0	101.5	101.5	450.3
1990	249.0	2.2	0.7	218.0	0.0	94.8	94.8	564.6
1991	290.3	1.3	0.6	263.1	0.0	88.8	88.8	644.0
1992	275.3	0.8	0.5	268.1	0.0	87.5	87.5	632.3
1993	267.5	0.6	0.4	231.6	0.0	86.7	86.7	586.8
1994	288.0	0.8	0.4	242.2	0.0	93.5	93.5	624.9
1995	262.5	0.6	0.4	283.5	0.0	103.9	103.9	651.0
1996	228.6	0.5	0.5	302.9	0.0	112.2	112.2	644.7
1997	256.5	0.5	0.5	307.6	0.0	141.6	141.6	706.7
1998	247.7	0.5	0.5	317.9	0.0	126.6	126.6	693.2
1999	258.1	0.5	0.4	317.8	0.0	114.9	114.9	691.7
2000	286.8	0.4	0.3	316.8	0.0	100.8	100.8	705.1
2001	293.3	0.3	0.3	300.0	0.0	90.5	90.5	684.4
2002	280.1	0.3	0.4	322.3	0.0	86.9	86.9	689.9
2003	262.3	0.4	0.3	297.9	0.0	83.1	83.1	643.9
2004	278.2	0.3	0.3	293.2	0.0	81.4	81.4	653.4
2005	263.4	0.2	0.3	269.3	0.0	78.3	78.3	611.6
2006	179.4	0.6	0.3	250.6	0.0	80.8	80.8	511.6
2007	173.9	0.7	0.2	280.9	3.8	79.4	83.2	539.0
2008	174.0	0.5	0.3	305.7	7.5	88.9	96.3	576.9
2009	160.7	0.7	0.3	320.7	7.6	73.1	80.7	563.1
2010	167.9	0.2	0.2	326.1	7.9	78.0 R	85.9 R	580.4 R
2011	174.8	0.2	0.2	327.3	7.7	105.6 R	113.4 R	615.9 R
2012	161.4	0.1	0.3	334.6	5.5	93.3 R	98.8 R	595.2 R
2013	163.7	0.1	0.3	328.4	0.0	98.8 R	98.8 R	591.4
2014	173.3	0.1	0.3	338.0	5.9	114.1	120.0	631.8 R
2015	146.5	0.1	0.2	340.2	6.9	122.3 R	129.2 R	616.2 R
2016	116.7	(s)	(s)	338.6	6.9	132.3 R	139.2 R	594.6 R
2017	134.0	0.1	0.1	338.2	6.8	141.9	148.7	621.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	409	55,451	30,117	NA
1961	395	59,547	29,246	NA
1962	256	66,213	27,649	NA
1963	221	76,101	27,406	NA
1964	212	76,167	26,737	NA
1965	226	82,831	25,930	NA
1966	236	105,174	23,824	NA
1967	189	116,522	21,075	NA
1968	211	156,627	19,464	NA
1969	228	169,257	18,049	NA
1970	268	181,351	18,035	NA
1971	276	172,154	18,263	NA
1972	428	166,522	18,519	NA
1973	434	157,529	18,016	NA
1974	455	123,975	16,527	NA
1975	488	116,237	16,133	NA
1976	534	109,533	18,097	NA
1977	563	104,096	20,202	NA
1978	519	106,792	20,329	NA
1979	251	109,452	18,869	NA
1980	319	111,808	18,210	NA
1981	229	92,986	18,352	0
1982	161	124,611	18,849	0
1983	88	127,561	18,849	0
1984	82	135,161	18,730	0
1985	80	155,099	19,044	0
1986	167	131,075	15,778	0
1987	84	141,151	14,230	0
1988	276	166,573	13,606	0
1989	70	174,158	11,261	0
1990	59	174,956	10,386	0
1991	52	164,702	10,305	0
1992	58	202,479	10,260	0
1993	44	196,370	9,975	0
1994	51	187,673	9,568	0
1995	29	187,242	8,910	0
1996	21	221,822	8,814	0
1997	18	208,514	8,429	0
1998	24	188,372	7,998	0
1999	22	170,006	7,150	0
2000	12	171,642	7,154	0
2001	17	166,804	7,592	0
2002	14	161,871	7,252	0
2003	8	169,599	7,209	0
2004	7	187,069	6,747	0
2005	3	190,533	6,175	0
2006	23	270,293	5,948	0
2007	83	269,886	6,031	0
2008	69	446,457	6,079	0
2009	5	679,952	5,755	0
2010	32	926,639	5,733 R	0
2011	133	1,072,212	5,877 R	0
2012	98	1,146,168	6,536 R	0
2013	59	1,139,654	6,640 R	0
2014	94	1,122,733	6,775 R	0
2015	91	1,010,382	6,229 R	0
2016	49	823,196 R	5,519 R	0
2017	43	707,292	5,288	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	9.2	57.3 R	174.7	0.0	NA	48.1	48.1	289.3 R
1961	8.9	61.6	169.6	0.0	NA	51.1	51.1	291.2 R
1962	5.7	68.5	160.4	0.0	NA	47.6	47.6	282.2 R
1963	5.0	78.7 R	159.0	0.0	NA	41.9	41.9	284.5 R
1964	4.8	78.8	155.1	0.0	NA	42.7	42.7	281.3 R
1965	5.1	85.7	150.4	0.0	NA	46.4	46.4	287.5 R
1966	5.3	108.8 R	138.2	0.0	NA	51.7	51.7	303.9 R
1967	4.2	120.5 R	122.2	0.0	NA	46.1	46.1	293.1 R
1968	4.7	162.0 R	112.9	0.0	NA	65.0	65.0	344.6 R
1969	5.1	175.0 R	104.7	0.0	NA	64.8	64.8	349.6 R
1970	6.0	187.5 R	104.6	0.0	NA	56.9	56.9	355.1 R
1971	6.2	177.4 R	105.9	0.0	NA	53.6	53.6	343.1 R
1972	9.6	169.3 R	107.4	0.0	NA	53.9	53.9	340.2 R
1973	9.1	159.3	104.5	0.0	NA	81.7	81.7	354.6
1974	10.2	125.4 R	95.9	4.0	NA	81.3	81.3	316.9
1975	10.8	117.3 R	93.6	53.7	NA	71.6	71.6	346.9 R
1976	12.0	110.5 R	105.0	42.6	NA	62.3	62.3	332.4
1977	12.6	107.3 R	117.2	54.8	NA	69.7	69.7	361.6 R
1978	12.6	108.2 R	117.9	57.1	NA	77.1	77.1	373.0
1979	5.6	113.6	109.4	42.1	NA	80.8	80.8	351.5 R
1980	7.2	114.4 R	105.6	85.4	NA	70.0	70.0	382.6 R
1981	5.1	95.5 R	106.4	100.1	0.0	68.2	68.2	375.4
1982	3.6	127.1 R	109.3	82.9	0.0	77.6	77.6	400.5 R
1983	2.0	132.6	109.3	83.4	0.0	95.3	95.3	422.6
1984	1.8	139.9 R	108.6	117.2	0.0	91.4	91.4	459.0 R
1985	1.8	159.9 R	110.5	105.0	0.0	109.2	109.2	486.4 R
1986	3.7	135.7 R	91.5	93.9	0.0	91.2	91.2	416.1 R
1987	1.9	145.5 R	82.5	118.7	0.0	86.7	86.7	435.3 R
1988	6.2	169.9	78.9	94.3	0.0	92.5	92.5	441.8 R
1989	1.6	176.6 R	65.3	93.6	0.0	119.8	119.8	456.9
1990	1.3	177.9	60.2	119.4	0.0	110.0	110.0	468.8 R
1991	1.2	168.0	59.8	132.7	0.0	109.8	109.8	471.5
1992	1.3	205.0	59.5	118.6	0.0	112.6	112.6	497.0
1993	1.0	199.9 R	57.9	142.0	0.0	133.6	133.6	534.5
1994	1.1	192.7	55.5	145.5	0.0	119.6	119.6	514.5
1995	0.7	202.2 R	51.7	122.5	0.0	117.5	117.5	494.5
1996	0.5	228.4 R	51.1	140.3	0.0	118.0	118.0	538.2 R
1997	0.4	212.5	48.9	149.1	0.0	124.0	124.0	534.9 R
1998	0.5	193.6	46.4	137.4	0.0	114.9	114.9	492.8 R
1999	0.5	173.9	41.5	135.0	0.0	110.8	110.8	461.7
2000	0.3	175.5	41.5	121.5	0.0	108.6	108.6	447.4
2001	0.4	170.1 R	44.0	154.4	0.0	94.0	94.0	462.9
2002	0.3	166.2 R	42.1	152.0	0.0	108.6	108.6	469.3
2003	0.2	175.4	41.8	153.1	0.0	107.9	107.9	478.4
2004	0.2	189.9	39.1	161.1	0.0	112.9	112.9	503.2
2005	0.1	193.6	35.8	142.9	0.0	112.5	112.5	484.8
2006	0.5	278.7	34.5	159.0	0.0	100.0	100.0	572.7
2007	1.9	273.9	35.0	162.4	0.0	120.7	120.7	593.9
2008	1.5	453.4	35.3	148.1	0.0	123.4	123.4	761.6
2009	0.1	691.1	33.4	158.7	0.0	124.2	124.2	1,007.4
2010	0.7	938.1	33.3 R	157.0	0.0	125.2 R	125.2 R	1,254.3 R
2011	3.0	1,090.9	34.1 R	148.5	0.0	121.2 R	121.2 R	1,397.6 R
2012	2.1	1,164.0	37.9 R	162.4	0.0	111.6 R	111.6 R	1,477.9 R
2013	1.4	1,164.3 R	38.5 R	124.8	0.0	116.6 R	116.6 R	1,445.7 R
2014	1.9	1,142.7	39.3 R	151.4	0.0	116.4 R	116.4 R	1,451.6 R
2015	1.8	1,031.5	35.6 R	144.7	0.0	113.4 R	113.4 R	1,327.0 R
2016	1.0	839.5	31.6 R	140.4	0.0	110.1 R	110.1 R	1,122.5 R
2017	0.8	721.3	30.3	132.7	0.0	109.4	109.4	994.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	517,535	305,352	NA
1961	0	556,241	299,609	NA
1962	0	564,220	296,590	NA
1963	0	646,486	300,908	NA
1964	0	664,051	300,009	NA
1965	0	660,384	316,428	NA
1966	0	689,607	345,295	NA
1967	0	681,080	359,219	NA
1968	0	714,893	373,422	NA
1969	0	677,689	365,348	NA
1970	0	649,117	347,157	NA
1971	0	612,629	327,380	NA
1972	0	487,278	324,459	NA
1973	0	449,369	317,257	NA
1974	0	365,354	306,219	NA
1975	0	318,308	306,764	NA
1976	0	354,334	312,044	NA
1977	0	311,462	337,351	NA
1978	0	311,084	335,201	NA
1979	0	248,206	341,297	NA
1980	0	309,434	346,804	NA
1981	0	380,359	365,370	0
1982	0	383,977	373,176	0
1983	0	415,324	374,161	0
1984	0	476,333	381,621	0
1985	71	491,283	394,002	91
1986	0	462,218	378,059	97
1987	46	424,621	364,608	106
1988	54	399,663	354,730	107
1989	41	362,860	331,174	101
1990	61	362,748	320,868	85
1991	57	378,384	319,497	100
1992	103	365,632	305,488	105
1993	0	315,851	293,090	111
1994	0	309,427	286,060	123
1995	0	279,555	278,977	119
1996	0	286,494	282,409	49
1997	0	285,690	285,172	87
1998	0	315,277	283,627	103
1999	0	382,715	273,017	95
2000	0	376,580	271,132	115
2001	0	377,824	260,663	126
2002	0	360,205	257,898	172
2003	0	337,216	248,093	202
2004	0	319,919	240,138	185
2005	0	317,637	230,230	363
2006	0	315,209	223,015	936
2007	0	307,160	218,518	2,128
2008	0	296,469	214,533	2,270
2009	0	276,575	207,262	1,178
2010	0	286,841	200,370	1,685
2011	0	250,177	196,172	4,321
2012	0	246,822	197,211 R	4,219
2013	0	252,310	198,928 R	3,997
2014	0	238,988	204,699	4,435
2015	0	236,648	201,284	4,901
2016	0	205,025 R	186,079	5,320
2017	0	209,327	174,107	5,289

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production. Includes Pacific federal offshore production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	590.5 R	1,771.0	(s)	NA	270.2	270.2	2,631.7 R
1961	0.0	634.7 R	1,737.7	0.1	NA	248.2	248.2	2,620.6 R
1962	0.0	643.8 R	1,720.2	0.1	NA	329.0	329.0	2,693.1 R
1963	0.0	737.6 R	1,745.3	2.3	NA	360.3	360.3	2,845.5 R
1964	0.0	757.7 R	1,740.1	4.4	NA	331.8	331.8	2,833.9 R
1965	0.0	753.5 R	1,835.3	3.2	NA	418.5	418.5	3,010.5 R
1966	0.0	786.8 R	2,002.7	1.9	NA	375.9	375.9	3,167.3 R
1967	0.0	777.1 R	2,083.5	6.5	NA	473.2	473.2	3,340.3 R
1968	0.0	815.7 R	2,165.8	17.0	NA	397.4	397.4	3,395.9 R
1969	0.0	773.2 R	2,119.0	27.1	NA	544.9	544.9	3,464.3 R
1970	0.0	740.6 R	2,013.5	34.4	NA	522.0	522.0	3,310.5 R
1971	0.0	701.4 R	1,898.8	38.1	NA	533.8	533.8	3,172.2 R
1972	0.0	562.6 R	1,881.9	34.3	NA	472.3	472.3	2,951.1 R
1973	0.0	507.7 R	1,840.1	28.7	NA	553.2	553.2	2,929.7 R
1974	0.0	419.7 R	1,776.1	41.3	NA	645.1	645.1	2,882.2 R
1975	0.0	365.7 R	1,779.2	66.9	NA	578.6	578.6	2,790.4 R
1976	0.0	400.7 R	1,809.9	53.1	NA	422.9	422.9	2,686.5 R
1977	0.0	354.0 R	1,956.6	87.4	NA	338.1	338.1	2,736.1 R
1978	0.0	352.5 R	1,944.2	83.8	NA	576.6	576.6	2,957.1 R
1979	0.0	282.7 R	1,979.5	95.3	NA	559.8	559.8	2,917.3 R
1980	0.0	342.5 R	2,011.5	53.7	NA	591.9	591.9	2,999.6 R
1981	0.0	415.0 R	2,119.1	35.4	0.0	502.2	502.2	3,071.8 R
1982	0.0	432.9 R	2,164.4	41.4	0.0	699.0	699.0	3,337.6 R
1983	0.0	463.7 R	2,170.1	61.2	0.0	807.1	807.1	3,502.2 R
1984	0.0	527.2 R	2,213.4	153.4	0.0	693.6	693.6	3,587.6 R
1985	0.9	546.3 R	2,285.2	209.6	0.6	592.9	593.5	3,635.4 R
1986	0.0	511.6 R	2,192.7	277.3	0.6	666.4	667.0	3,648.6 R
1987	0.6	469.1 R	2,114.7	317.3	0.7	522.0	522.7	3,424.3 R
1988	0.6	444.6 R	2,057.4	327.2	0.7	511.4	512.1	3,342.0 R
1989	0.5	404.9 R	1,920.8	344.1	0.6	738.3	738.9	3,409.3 R
1990	0.7	401.4 R	1,861.0	346.0	0.5	668.8	669.3	3,278.5 R
1991	0.7	414.4 R	1,853.1	330.7	0.6	652.9	653.5	3,252.4 R
1992	1.2	402.6 R	1,771.8	369.0	0.7	641.6	642.3	3,187.0 R
1993	0.0	352.9 R	1,699.9	331.7	0.7	820.1	820.8	3,205.3 R
1994	0.0	340.4 R	1,659.1	352.8	0.8	632.8	633.6	2,985.9 R
1995	0.0	308.6 R	1,618.1	317.8	0.7	845.5 R	846.2	3,090.6 R
1996	0.0	320.8 R	1,638.0	358.1	0.3	817.4	817.7	3,134.7 R
1997	0.0	314.2 R	1,654.0	320.2	0.5	759.8 R	760.3	3,048.7 R
1998	0.0	350.2 R	1,645.0	362.9	0.6	832.4 R	833.0	3,191.2 R
1999	0.0	411.1 R	1,583.5	348.7	0.6	759.4	760.0	3,103.3 R
2000	0.0	391.3 R	1,572.6	366.8	0.7	735.9	736.6	3,067.3 R
2001	0.0	408.9 R	1,511.8	346.9	0.8	607.3 R	608.0	2,875.7 R
2002	0.0	395.0 R	1,495.8	358.7	1.0	675.2 R	676.2	2,925.7 R
2003	0.0	373.8 R	1,438.9	371.0	1.2	718.2 R	719.4 R	2,903.1 R
2004	0.0	356.8 R	1,392.8	315.6	1.1	696.3 R	697.4 R	2,762.6 R
2005	0.0	354.4 R	1,335.3	377.3	2.1	739.0 R	741.1 R	2,808.2 R
2006	0.0	351.7 R	1,293.5	333.5	5.5	816.5 R	822.0 R	2,800.6 R
2007	0.0	343.4 R	1,267.4	375.4	12.4	619.5 R	631.9 R	2,618.2 R
2008	0.0	331.8 R	1,244.3	339.5	13.2	590.8 R	603.9 R	2,519.6 R
2009	0.0	310.4 R	1,202.1	332.2	6.8	640.0 R	646.8 R	2,491.6 R
2010	0.0	320.7 R	1,162.1	336.6	9.7	705.8 R	715.6 R	2,534.9 R
2011	0.0	280.3 R	1,137.8	383.6	24.8	812.5 R	837.3 R	2,639.0 R
2012	0.0	278.2 R	1,143.8 R	193.9	24.1	679.5 R	703.6 R	2,319.6 R
2013	0.0	287.9 R	1,153.8 R	187.2	22.8	719.0 R	741.8 R	2,370.6 R
2014	0.0	271.8 R	1,187.3	177.7	25.2	721.2 R	746.5 R	2,383.1 R
2015	0.0	271.1 R	1,150.7	193.5	27.8	706.9 R	734.7 R	2,350.0 R
2016	0.0	234.1 R	1,064.7	197.8	30.0	897.0 R	927.1 R	2,423.6 R
2017	0.0	236.8	996.4	187.2	29.8	1,085.5	1,115.3	2,535.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production. Includes Pacific federal offshore production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	3,607	107,404	47,469	NA
1961	3,678	108,142	46,759	NA
1962	3,379	101,826	42,477	NA
1963	3,691	105,705	38,283	NA
1964	4,355	114,312	34,755	NA
1965	4,790	126,381	33,511	NA
1966	5,222	136,667	33,492	NA
1967	5,439	116,857	33,905	NA
1968	5,558	121,424	31,937	NA
1969	5,530	118,754	28,294	NA
1970	6,025	105,804	24,723	NA
1971	5,337	108,537	27,391	NA
1972	5,522	116,949	32,015	NA
1973	6,233	137,725	36,590	NA
1974	6,896	144,629	37,508	NA
1975	8,219	171,629	38,089	NA
1976	9,437	183,972	38,992	NA
1977	11,989	188,792	39,460	NA
1978	13,814	183,693	36,797	NA
1979	18,491	191,239	32,324	NA
1980	18,846	188,001	29,802	NA
1981	19,897	195,706	30,303	4
1982	18,318	209,892	30,545	12
1983	16,732	163,545	29,050	22
1984	17,967	173,257	28,845	27
1985	17,243	178,233	30,246	29
1986	15,237	163,684	29,309	31
1987	14,420	164,557	28,802	34
1988	15,912	191,544	32,352	34
1989	17,123	216,737	30,655	32
1990	18,910	242,997	30,453	27
1991	17,834	285,961	31,382	31
1992	19,226	323,041	29,787	28
1993	21,886	400,985	29,398	31
1994	25,304	453,207	28,613	29
1995	25,710	523,084	27,977	27
1996	24,886	572,071	24,953	11
1997	27,449	637,374	25,617	19
1998	29,631	696,321	22,364	22
1999	29,989	722,738	18,469	20
2000	29,137	752,985	18,481	23
2001	33,372	817,206	16,520	25
2002	35,103	937,245	20,522	33
2003	35,831	1,011,285	21,508	39
2004	39,870	1,079,235	22,532	35
2005	38,510	1,133,086	23,227	111
2006	36,322	1,202,821	24,501	1,506
2007	36,384	1,242,571	26,183	2,196
2008	32,028	1,389,399	29,946 R	2,932
2009	28,267	1,499,070	30,365 R	2,974
2010	25,163	1,578,379	33,014 R	3,121
2011	26,890	1,637,576	39,472 R	3,057
2012	28,566	1,709,376	49,619 R	2,895
2013	24,236	1,604,860	66,222 R	3,042
2014	24,007	1,643,487	95,560 R	3,114
2015	18,879	1,688,733	122,792 R	3,042
2016	12,634	1,685,756 R	116,481 R	3,085
2017	15,047	1,683,388	130,732	3,071

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	78.8	111.0	275.3	0.0	NA	16.9	16.9	482.0
1961	80.3	111.8 R	271.2	0.0	NA	15.5	15.5	478.7
1962	73.8	105.2	246.4	0.0	NA	17.1	17.1	442.5
1963	80.6	109.2	222.0	0.0	NA	17.4	17.4	429.3
1964	95.1	118.1	201.6	0.0	NA	17.9	17.9	432.7 R
1965	104.6	130.6	194.4	0.0	NA	16.4	16.4	445.9
1966	114.0	141.2	194.3	0.0	NA	17.4	17.4	466.9
1967	118.8	120.8 R	196.6	0.0	NA	16.9	16.9	453.1
1968	121.4	125.5	185.2	0.0	NA	17.2	17.2	449.3
1969	120.7	122.7	164.1	0.0	NA	18.2	18.2	425.8 R
1970	131.5	109.3	143.4	0.0	NA	21.3	21.3	405.6
1971	116.5	113.9	158.9	0.0	NA	25.5	25.5	414.8
1972	120.6	122.1 R	185.7	0.0	NA	22.9	22.9	451.3 R
1973	132.2	141.7 R	212.2	0.0	NA	23.6	23.6	509.7
1974	148.6	151.9	217.5	0.0	NA	24.2	24.2	542.3 R
1975	172.5	175.1 R	220.9	0.0	NA	24.7	24.7	593.2
1976	202.2	190.7 R	226.2	0.0	NA	23.6	23.6	642.7 R
1977	261.9	195.3 R	228.9	2.4	NA	23.7	23.7	712.1 R
1978	299.9	185.2 R	213.4	6.7	NA	29.4	29.4	734.6 R
1979	404.7	199.1 R	187.5	2.3	NA	33.2	33.2	826.7 R
1980	412.5	215.5 R	172.9	7.3	NA	28.6	28.6	836.7 R
1981	433.4	224.0 R	175.8	8.3	(s)	28.7	28.8	870.2 R
1982	401.3	237.4 R	177.2	6.3	0.1	31.8	31.9	854.1 R
1983	365.2	187.1 R	168.5	8.2	0.1	35.3	35.5	764.5 R
1984	395.6	194.1	167.3	0.6	0.2	39.1	39.3	796.8 R
1985	379.5	200.9 R	175.4	(s)	0.2	41.6	41.8	797.3 R
1986	334.1	183.3 R	170.0	0.6	0.2	43.7	43.9	731.8 R
1987	316.1	183.5 R	167.1	1.8	0.2	32.2	32.4	700.9 R
1988	347.4	213.4 R	187.6	7.0	0.2	32.1	32.3	787.8 R
1989	365.3	242.6 R	177.8	5.6	0.2	30.1	30.3	821.6 R
1990	404.5	267.8 R	176.6	0.0	0.2	26.2	26.4	875.4 R
1991	384.2	321.9 R	182.0	0.0	0.2	31.7	31.9	920.0 R
1992	414.4	361.4 R	172.8	0.0	0.2	27.6	27.8	976.4 R
1993	475.0	437.9 R	170.5	0.0	0.2	31.4	31.6	1,115.1 R
1994	554.8	488.6 R	166.0	0.0	0.2	27.2	27.3	1,236.8 R
1995	565.8	574.9 R	162.3	0.0	0.2	33.3	33.5	1,336.6 R
1996	547.2	622.1 R	144.7	0.0	0.1	30.4	30.5	1,344.4 R
1997	598.0	689.0 R	148.6	0.0	0.1	33.2	33.3	1,469.0 R
1998	651.4	743.3 R	129.7	0.0	0.1	26.1	26.3	1,550.7 R
1999	662.7	768.7 R	107.1	0.0	0.1	27.9	28.0	1,566.5 R
2000	648.0	801.8 R	107.2	0.0	0.1	26.9	27.1	1,584.1 R
2001	741.2	873.5 R	95.8	0.0	0.2	23.6	23.7	1,734.2 R
2002	788.2	996.0 R	119.0	0.0	0.2	20.9	21.1	1,924.3 R
2003	801.1	1,078.3 R	124.7	0.0	0.2	21.7	21.9	2,026.0 R
2004	889.1	1,149.3 R	130.7	0.0	0.2	22.3	22.5	2,191.5 R
2005	857.0	1,219.8 R	134.7	0.0	0.7	31.4	32.1	2,243.7 R
2006	805.7	1,295.5 R	142.1	0.0	8.8	35.1	44.0	2,287.3 R
2007	815.5	1,336.5 R	151.9	0.0	12.8	39.5	52.3	2,356.2 R
2008	714.7	1,493.8 R	173.7	0.0	17.0	63.1 R	80.1	2,462.3 R
2009	614.6	1,620.9 R	176.1	0.0	17.2	63.0 R	80.1	2,491.7 R
2010	551.8	1,730.4 R	191.5 R	0.0	18.0	64.2 R	82.2 R	2,555.9 R
2011	586.8	1,822.7 R	228.9 R	0.0	17.6	86.6 R	104.1 R	2,742.7 R
2012	629.6	1,895.2 R	287.8 R	0.0	16.6	86.1 R	102.7 R	2,915.3 R
2013	529.1	1,799.4 R	384.1 R	0.0	17.3	99.6 R	117.0 R	2,829.6 R
2014	528.2	1,848.8 R	554.2 R	0.0	17.7	107.9 R	125.6 R	3,056.9 R
2015	403.6	1,965.2 R	702.0 R	0.0	17.2	106.7 R	124.0 R	3,194.8 R
2016	270.9	1,981.0 R	666.5 R	0.0	17.4	130.2 R	147.6 R	3,066.1 R
2017	320.0	2,002.8	748.2	0.0	17.3	133.5	150.8	3,221.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	17.4	17.4	17.4
1961	0.0	0.0	0.0	0.0	NA	17.1	17.1	17.1
1962	0.0	0.0	0.0	0.0	NA	15.9	15.9	15.9
1963	0.0	0.0	0.0	0.0	NA	16.3	16.3	16.3
1964	0.0	0.0	0.0	0.0	NA	16.7	16.7	16.7
1965	0.0	0.0	0.0	0.0	NA	15.5	15.5	15.5
1966	0.0	0.0	0.0	0.0	NA	16.2	16.2	16.2
1967	0.0	0.0	0.0	6.1	NA	18.1	18.1	24.1
1968	0.0	0.0	0.0	33.9	NA	18.7	18.7	52.6
1969	0.0	0.0	0.0	40.2	NA	19.7	19.7	59.9
1970	0.0	0.0	0.0	39.6	NA	19.3	19.3	58.9
1971	0.0	0.0	0.0	84.2	NA	20.2	20.2	104.4
1972	0.0	0.0	0.0	83.9	NA	22.7	22.7	106.6
1973	0.0	0.0	0.0	46.9	NA	21.9	21.9	68.8
1974	0.0	0.0	0.0	89.0	NA	22.5	22.5	111.5
1975	0.0	0.0	0.0	89.6	NA	22.2	22.2	111.8
1976	0.0	0.0	0.0	136.2	NA	23.9	23.9	160.1
1977	0.0	0.0	0.0	141.9	NA	24.1	24.1	166.0
1978	0.0	0.0	0.0	151.7	NA	26.4	26.4	178.1
1979	0.0	0.0	0.0	138.2	NA	29.4	29.4	167.6
1980	0.0	0.0	0.0	129.1	NA	43.7	43.7	172.8
1981	0.0	0.0	0.0	139.8	0.0	42.9	42.9	182.7
1982	0.0	0.0	0.0	150.9	0.0	41.4	41.4	192.3
1983	0.0	0.0	0.0	126.4	0.0	48.2	48.2	174.6
1984	0.0	0.0	0.0	155.0	0.0	41.1	41.1	196.0
1985	0.0	0.0	0.0	135.1	0.0	40.3	40.3	175.4
1986	0.0	0.0	0.0	197.5	0.0	35.5	35.5	233.0
1987	0.0	0.0	0.0	214.5	0.0	30.8	30.8	245.3
1988	0.0	0.0	0.0	235.9	0.0	34.4	34.4	270.3
1989	0.0	0.0	0.0	207.0	0.0	36.0	36.0	243.1
1990	0.0	0.0	0.0	209.3	0.0	34.7	34.7	244.0
1991	0.0	0.0	0.0	128.4	0.0	34.9	34.9	163.3
1992	0.0	0.0	0.0	175.6	0.0	38.9	38.9	214.5
1993	0.0	0.0	0.0	229.0	0.0	39.1	39.1	268.1
1994	0.0	0.0	0.0	210.7	0.0	40.4	40.4	251.2
1995	0.0	0.0	0.0	197.0	0.0	46.1	46.1	243.1
1996	0.0	0.0	0.0	65.4	0.0	56.1	56.1	121.4
1997	0.0	0.0	0.0	(s)	0.0	50.7	50.7	49.4
1998	0.0	0.0	0.0	34.0	0.0	49.2	49.2	83.2
1999	0.0	0.0	0.0	132.5	0.0	49.3	49.3	181.7
2000	0.0	0.0	0.0	170.7	0.0	50.6	50.6	221.3
2001	0.0	0.0	0.0	161.1	0.0	29.8	29.8	190.9
2002	0.0	0.0	0.0	155.8	0.0	28.3	28.3	184.1
2003	0.0	0.0	0.0	167.6	0.0	31.2	31.2	198.8
2004	0.0	0.0	0.0	172.5	0.0	30.2	30.2	202.7
2005	0.0	0.0	0.0	162.4	0.0	25.7	25.7	188.1
2006	0.0	0.0	0.0	173.1	0.0	25.6	25.6	198.7
2007	0.0	0.0	0.0	171.9	0.0	23.9	23.9	195.8
2008	0.0	0.0	0.0	161.3	0.0	26.3 R	26.3 R	187.6
2009	0.0	0.0	0.0	174.2	0.0	29.4	29.4	203.7 R
2010	0.0	0.0	0.0	175.1	0.0	30.3 R	30.3 R	205.4 R
2011	0.0	0.0	0.0	166.7	0.0	30.6 R	30.6 R	197.2 R
2012	0.0	0.0	0.0	179.0	0.0	26.7 R	26.7 R	205.7 R
2013	0.0	0.0	0.0	178.5	0.0	29.3 R	29.3 R	207.8 R
2014	0.0	0.0	0.0	165.7	0.0	32.0 R	32.0 R	197.7 R
2015	0.0	0.0	0.0	182.1	0.0	32.5 R	32.5 R	214.6 R
2016	0.0	0.0	0.0	173.4	0.0	32.8 R	32.8 R	206.2 R
2017	0.0	0.0	0.0	172.6	0.0	32.3	32.3	204.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	30	369	NA
1961	0	29	374	NA
1962	0	29	419	NA
1963	0	35	464	NA
1964	0	40	620	NA
1965	0	107	1,464	NA
1966	0	212	1,799	NA
1967	0	123	1,568	NA
1968	0	108	1,474	NA
1969	0	50	1,731	NA
1970	0	0	2,999	NA
1971	0	903	5,347	NA
1972	0	15,521	16,897	NA
1973	0	33,857	32,695	NA
1974	0	38,137	36,351	NA
1975	0	44,383	41,877	NA
1976	0	43,165	44,460	NA
1977	0	48,171	46,641	NA
1978	0	51,595	47,536	NA
1979	0	50,190	47,168	NA
1980	0	40,638	42,886	NA
1981	0	32,470	34,773	0
1982	0	22,515	25,626	0
1983	0	21,056	19,476	0
1984	0	12,585	14,462	0
1985	0	10,545	11,458	0
1986	0	8,833	9,383	0
1987	0	8,281	8,270	0
1988	0	7,484	7,746	0
1989	0	7,534	7,289	0
1990	0	6,483	5,675	0
1991	0	4,884	4,725	0
1992	0	6,657	5,425	0
1993	0	7,085	5,604	0
1994	0	7,486	6,093	0
1995	0	6,463	5,693	0
1996	0	6,006	6,292	0
1997	0	6,114	6,381	0
1998	0	5,796	5,971	0
1999	0	5,933	4,895	0
2000	0	6,491	4,626	0
2001	0	5,710	4,426	0
2002	0	3,353	3,634	0
2003	0	3,087	3,263	0
2004	0	3,123	2,904	0
2005	0	2,616	2,585	0
2006	0	2,540	2,360	0
2007	0	1,778	2,078	0
2008	0	2,436	1,953	0
2009	0	257	696	0
2010	0	12,409	1,777	0
2011	0	15,125	2,023	0
2012	0	773	2,135	0
2013	0	292	2,174	0
2014	0	496	2,227	0
2015	0	764	2,208	0
2016	0	716	1,934	0
2017	0	709	1,923	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	(s)	2.1	0.0	NA	35.7	35.7	37.9
1961	0.0	(s)	2.2	0.0	NA	34.4	34.4	36.6
1962	0.0	(s)	2.4	0.0	NA	35.8	35.8	38.3
1963	0.0	(s)	2.7	0.0	NA	38.6	38.6	41.4
1964	0.0	0.1	3.6	0.0	NA	39.0	39.0	42.7
1965	0.0	0.1	8.5	0.0	NA	39.9	39.9	48.6
1966	0.0	0.3	10.4	0.0	NA	42.8	42.8	53.5
1967	0.0	0.2	9.1	0.0	NA	44.6	44.6	53.8
1968	0.0	0.1	8.5	0.0	NA	49.6	49.6	58.3
1969	0.0	0.1	10.0	0.0	NA	51.5	51.5	61.6
1970	0.0	0.0	17.4	0.0	NA	51.0	51.0	68.4
1971	0.0	1.2	31.0	0.0	NA	50.0	50.0	82.2
1972	0.0	19.4 R	98.0	0.7	NA	54.4	54.4	172.6 R
1973	0.0	39.7 R	189.6	51.0	NA	56.3	56.3	336.6 R
1974	0.0	45.3 R	210.8	87.9	NA	52.4	52.4	396.5 R
1975	0.0	59.8 R	242.9	92.2	NA	50.0	50.0	444.9 R
1976	0.0	65.3 R	257.9	95.5	NA	56.5	56.5	475.2 R
1977	0.0	69.9 R	270.5	189.1	NA	60.0	60.0	589.5 R
1978	0.0	78.3 R	275.7	173.0	NA	65.4	65.4	592.4 R
1979	0.0	78.0 R	273.6	167.4	NA	69.4	69.4	588.4 R
1980	0.0	69.4 R	248.7	182.6	NA	90.0	90.0	590.7 R
1981	0.0	55.4 R	201.7	159.4	0.0	83.1	83.1	499.5 R
1982	0.0	40.8 R	148.6	213.9	0.0	104.7	104.7	508.0 R
1983	0.0	35.0 R	113.0	161.4	0.0	91.7	91.7	401.1 R
1984	0.0	24.0 R	83.9	261.1	0.0	108.7	108.7	477.7 R
1985	0.0	20.2 R	66.5	249.2	0.0	110.7	110.7	446.5 R
1986	0.0	16.9 R	54.4	233.1	0.0	116.4	116.4	420.8 R
1987	0.0	15.1 R	48.0	196.0	0.0	107.6	107.6	366.7 R
1988	0.0	13.8 R	44.9	277.8	0.0	113.8	113.8	450.3 R
1989	0.0	13.7 R	42.3	221.4	0.0	232.3	232.3	509.6 R
1990	0.0	11.6 R	32.9	230.5	0.0	199.0	199.0	473.9 R
1991	0.0	8.3 R	27.4	215.0	0.0	213.0	213.0	463.6 R
1992	0.0	11.2 R	31.5	263.0	0.0	230.8	230.8	536.4 R
1993	0.0	11.5 R	32.5	271.9	0.0	217.0	217.0	533.0 R
1994	0.0	10.7 R	35.3	278.9	0.0	215.6	215.6	540.5 R
1995	0.0	9.2 R	33.0	302.0	0.0	220.2	220.2	564.4 R
1996	0.0	8.8 R	36.5	267.5	0.0	240.3	240.3	553.1 R
1997	0.0	8.7 R	37.0	241.0	0.0	231.3	231.3	518.1 R
1998	0.0	8.3 R	34.6	326.4	0.0	205.5	205.5	574.9 R
1999	0.0	8.6	28.4	329.5	0.0	204.1	204.1	570.5 R
2000	0.0	8.9 R	26.8	336.8	0.0	195.0	195.0	567.5
2001	0.0	7.9	25.7	329.8	0.0	158.0	158.0	521.4
2002	0.0	4.9	21.1	351.9	0.0	174.3	174.3	552.2 R
2003	0.0	4.5 R	18.9	322.9	0.0	188.5	188.5	534.8
2004	0.0	4.4	16.8	325.5	0.0	179.5	179.5	526.2
2005	0.0	3.6	15.0	300.1	0.0	183.2	183.2	501.9
2006	0.0	3.5	13.7	327.9	0.0	185.6	185.6	530.7
2007	0.0	2.1	12.1	307.2	0.0	190.5	190.5	511.8
2008	0.0	2.5	11.3	335.9	0.0	195.2	195.2	545.0
2009	0.0	0.3	4.0	304.5	0.0	213.6	213.6	522.5
2010	0.0	12.6	10.3	250.2	0.0	230.3 R	230.3 R	503.4 R
2011	0.0	15.4	11.7	230.4	0.0	227.7 R	227.7 R	485.2 R
2012	0.0	0.8	12.4	187.3	0.0	223.0 R	223.0 R	423.5 R
2013	0.0	0.3	12.6	277.2	0.0	233.0 R	233.0 R	523.1 R
2014	0.0	0.9	12.9	291.5	0.0	230.3	230.3	535.5 R
2015	0.0	1.2	12.6	294.1	0.0	223.1 R	223.1 R	531.0 R
2016	0.0	1.1	11.1	306.7	0.0	222.8 R	222.8 R	541.5 R
2017	0.0	1.0	11.0	304.8	0.0	237.5	237.5	554.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	4	0	0	NA
1961	4	0	0	NA
1962	0	0	0	NA
1963	0	0	0	NA
1964	0	0	0	NA
1965	0	0	0	NA
1966	0	0	0	NA
1967	0	0	0	NA
1968	0	0	0	NA
1969	0	0	0	NA
1970	0	0	0	NA
1971	0	0	0	NA
1972	0	0	0	NA
1973	0	0	0	NA
1974	0	0	0	NA
1975	74	0	0	NA
1976	186	0	0	NA
1977	226	0	0	NA
1978	113	0	0	NA
1979	26	0	0	NA
1980	0	0	0	NA
1981	0	0	0	0
1982	0	0	0	0
1983	0	0	0	0
1984	0	0	0	0
1985	0	0	0	0
1986	0	0	0	0
1987	0	0	0	0
1988	0	0	0	0
1989	0	0	0	0
1990	0	0	0	0
1991	0	0	0	0
1992	0	0	0	0
1993	0	0	0	0
1994	0	0	0	0
1995	0	0	0	0
1996	0	0	0	0
1997	0	0	0	0
1998	0	0	0	0
1999	0	0	0	0
2000	0	0	0	0
2001	0	0	0	0
2002	0	0	0	0
2003	0	0	0	0
2004	0	0	0	0
2005	0	0	0	3
2006	0	0	0	9
2007	0	0	0	10
2008	0	0	0	596
2009	0	0	0	2,388
2010	0	0	0	2,507
2011	0	0	0	2,456
2012	0	0	0	1,746
2013	0	0	0	1,429
2014	0	0	0	2,501
2015	0	0	0	2,736
2016	0	0	0	2,921
2017	0	0	0	2,901

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.1	0.0	0.0	0.0	NA	96.0	96.0	96.1
1961	0.1	0.0	0.0	0.0	NA	94.6	94.6	94.7
1962	0.0	0.0	0.0	0.0	NA	96.8	96.8	96.8
1963	0.0	0.0	0.0	0.0	NA	103.2	103.2	103.2
1964	0.0	0.0	0.0	0.0	NA	118.3	118.3	118.3
1965	0.0	0.0	0.0	0.0	NA	108.0	108.0	108.0
1966	0.0	0.0	0.0	0.0	NA	109.5	109.5	109.5
1967	0.0	0.0	0.0	0.0	NA	109.5	109.5	109.5
1968	0.0	0.0	0.0	0.0	NA	106.4	106.4	106.4
1969	0.0	0.0	0.0	0.0	NA	105.8	105.8	105.8
1970	0.0	0.0	0.0	0.0	NA	98.2	98.2	98.2
1971	0.0	0.0	0.0	0.0	NA	109.0	109.0	109.0
1972	0.0	0.0	0.0	0.0	NA	114.7	114.7	114.7
1973	0.0	0.0	0.0	0.0	NA	125.6	125.6	125.6
1974	0.0	0.0	0.0	0.5	NA	121.6	121.6	122.1
1975	1.9	0.0	0.0	34.1	NA	123.4	123.4	159.3
1976	4.7	0.0	0.0	45.7	NA	135.2	135.2	185.5
1977	5.7	0.0	0.0	40.0	NA	136.1	136.1	181.8
1978	2.8	0.0	0.0	46.8	NA	138.2	138.2	187.8
1979	0.7	0.0	0.0	55.4	NA	149.1	149.1	205.2
1980	0.0	0.0	0.0	92.0	NA	144.0	144.0	236.1
1981	0.0	0.0	0.0	79.8	0.0	122.7	122.7	202.5
1982	0.0	0.0	0.0	73.1	0.0	143.9	143.9	217.0
1983	0.0	0.0	0.0	84.8	0.0	151.1	151.1	235.9
1984	0.0	0.0	0.0	59.3	0.0	159.5	159.5	218.8
1985	0.0	0.0	0.0	107.6	0.0	146.2	146.2	253.8
1986	0.0	0.0	0.0	76.6	0.0	141.7	141.7	218.3
1987	0.0	0.0	0.0	159.3	0.0	146.0	146.0	305.4
1988	0.0	0.0	0.0	160.6	0.0	138.7	138.7	299.3
1989	0.0	0.0	0.0	264.2	0.0	218.3	218.3	482.5
1990	0.0	0.0	0.0	262.4	0.0	235.5	235.5	497.9
1991	0.0	0.0	0.0	272.8	0.0	226.9	226.9	499.7
1992	0.0	0.0	0.0	293.1	0.0	234.5	234.5	527.6
1993	0.0	0.0	0.0	286.1	0.0	240.0	240.0	526.1
1994	0.0	0.0	0.0	302.3	0.0	240.8	240.8	543.2
1995	0.0	0.0	0.0	322.2	0.0	249.1	249.1	571.3
1996	0.0	0.0	0.0	314.3	0.0	256.9	256.9	571.2
1997	0.0	0.0	0.0	319.2	0.0	262.5	262.5	581.6
1998	0.0	0.0	0.0	329.2	0.0	256.6	256.6	585.8
1999	0.0	0.0	0.0	328.9	0.0	231.1	231.1	560.1
2000	0.0	0.0	0.0	338.7	0.0	222.2	222.2	560.8
2001	0.0	0.0	0.0	351.7	0.0	192.1	192.1	543.8
2002	0.0	0.0	0.0	324.8	0.0	283.7	283.7	608.5
2003	0.0	0.0	0.0	346.6	0.0	221.7	221.7	568.3
2004	0.0	0.0	0.0	351.9	0.0	226.7	226.7	578.7
2005	0.0	0.0	0.0	329.1	(s)	216.0	216.0	545.1
2006	0.0	0.0	0.0	334.0	0.1	207.2	207.2	541.2
2007	0.0	0.0	0.0	341.4	0.1	200.5	200.6	541.9
2008	0.0	0.0	0.0	331.2	3.5	169.6	173.1	504.3
2009	0.0	0.0	0.0	331.4	13.8	180.5	194.3	525.6
2010	0.0	0.0	0.0	350.3	14.4	206.6 R	221.0 R	571.3 R
2011	0.0	0.0	0.0	338.1	14.1	207.0 R	221.1 R	559.1 R
2012	0.0	0.0	0.0	355.7	10.0	197.6 R	207.6 R	563.2 R
2013	0.0	0.0	0.0	343.8	8.2	239.9 R	248.1 R	591.9 R
2014	0.0	0.0	0.0	340.7	14.2	253.9 R	268.1 R	608.7 R
2015	0.0	0.0	0.0	353.9	15.5	255.0 R	270.5 R	624.3 R
2016	0.0	0.0	0.0	360.6	16.5	265.2 R	281.7 R	642.3 R
2017	0.0	0.0	0.0	352.6	16.3	255.5	271.8	624.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	0.3	0.3	0.3
1961	0.0	0.0	0.0	0.0	NA	0.3	0.3	0.3
1962	0.0	0.0	0.0	0.0	NA	0.2	0.2	0.2
1963	0.0	0.0	0.0	0.0	NA	0.4	0.4	0.4
1964	0.0	0.0	0.0	0.0	NA	1.4	1.4	1.4
1965	0.0	0.0	0.0	0.0	NA	1.3	1.3	1.3
1966	0.0	0.0	0.0	0.0	NA	1.3	1.3	1.3
1967	0.0	0.0	0.0	0.0	NA	1.4	1.4	1.4
1968	0.0	0.0	0.0	0.0	NA	1.7	1.7	1.7
1969	0.0	0.0	0.0	0.0	NA	1.8	1.8	1.8
1970	0.0	0.0	0.0	0.0	NA	1.6	1.6	1.6
1971	0.0	0.0	0.0	0.0	NA	1.3	1.3	1.3
1972	0.0	0.0	0.0	0.0	NA	1.5	1.5	1.5
1973	0.0	0.0	0.0	0.0	NA	1.5	1.5	1.5
1974	0.0	0.0	0.0	0.0	NA	1.6	1.6	1.6
1975	0.0	0.0	0.0	0.0	NA	1.5	1.5	1.5
1976	0.0	0.0	0.0	0.0	NA	1.7	1.7	1.7
1977	0.0	0.0	0.0	0.0	NA	1.4	1.4	1.4
1978	0.0	0.0	0.0	0.0	NA	1.1	1.1	1.1
1979	0.0	0.0	0.0	0.0	NA	1.3	1.3	1.3
1980	0.0	0.0	0.0	0.0	NA	12.8	12.8	12.8
1981	0.0	0.0	0.0	0.0	0.0	13.6	13.6	13.6
1982	0.0	0.0	0.0	0.0	0.0	13.4	13.4	13.4
1983	0.0	0.0	0.0	0.0	0.0	14.9	14.9	14.9
1984	0.0	0.0	0.0	0.0	0.0	15.4	15.4	15.4
1985	0.0	0.0	0.0	0.0	0.0	15.3	15.3	15.3
1986	0.0	0.0	0.0	0.0	0.0	17.3	17.3	17.3
1987	0.0	0.0	0.0	0.0	0.0	18.8	18.8	18.8
1988	0.0	0.0	0.0	0.0	0.0	20.4	20.4	20.4
1989	0.0	0.0	0.0	0.0	0.0	28.9	28.9	28.9
1990	0.0	0.0	0.0	0.0	0.0	27.9	27.9	27.9
1991	0.0	0.0	0.0	0.0	0.0	27.5	27.5	27.5
1992	0.0	0.0	0.0	0.0	0.0	26.8	26.8	26.8
1993	0.0	0.0	0.0	0.0	0.0	27.8	27.8	27.8
1994	0.0	0.0	0.0	0.0	0.0	25.4	25.4	25.4
1995	0.0	0.0	0.0	0.0	0.0	24.6	24.6	24.6
1996	0.0	0.0	0.0	0.0	0.0	24.1	24.1	24.1
1997	0.0	0.0	0.0	0.0	0.0	22.5	22.5	22.5
1998	0.0	0.0	0.0	0.0	0.0	21.7	21.7	21.7
1999	0.0	0.0	0.0	0.0	0.0	21.8	21.8	21.8
2000	0.0	0.0	0.0	0.0	0.0	20.4	20.4	20.4
2001	0.0	0.0	0.0	0.0	0.0	12.4	12.4	12.4
2002	0.0	0.0	0.0	0.0	0.0	10.5	10.5	10.5
2003	0.0	0.0	0.0	0.0	0.0	13.3	13.3	13.3
2004	0.0	0.0	0.0	0.0	0.0	13.8	13.8	13.8
2005	0.0	0.0	0.0	0.0	0.0	12.9	12.9	12.9
2006	0.0	0.0	0.0	0.0	0.0	14.0	14.0	14.0
2007	0.0	0.0	0.0	0.0	0.0	15.0	15.0	15.0
2008	0.0	0.0	0.0	0.0	0.0	15.9	15.9	15.9
2009	0.0	0.0	0.0	0.0	0.0	15.8	15.8	15.8
2010	0.0	0.0	0.0	0.0	0.0	15.3 R	15.3 R	15.3 R
2011	0.0	0.0	0.0	0.0	0.0	16.6	16.6	16.6
2012	0.0	0.0	0.0	0.0	0.0	18.2 R	18.2 R	18.2 R
2013	0.0	0.0	0.0	0.0	0.0	22.4	22.4	22.4
2014	0.0	0.0	0.0	0.0	0.0	24.1	24.1	24.1
2015	0.0	0.0	0.0	0.0	0.0	24.6 R	24.6 R	24.6 R
2016	0.0	0.0	0.0	0.0	0.0	27.1 R	27.1 R	27.1 R
2017	0.0	0.0	0.0	0.0	0.0	26.4	26.4	26.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA
1961	0	0	0	NA
1962	0	0	0	NA
1963	0	0	0	NA
1964	0	0	0	NA
1965	0	0	0	NA
1966	0	0	0	NA
1967	0	0	0	NA
1968	0	0	0	NA
1969	0	0	0	NA
1970	0	0	0	NA
1971	0	0	0	NA
1972	0	0	0	NA
1973	0	0	0	NA
1974	0	0	0	NA
1975	0	0	0	NA
1976	0	0	0	NA
1977	0	0	0	NA
1978	0	0	0	NA
1979	0	0	0	NA
1980	0	0	0	NA
1981	0	0	0	0
1982	0	0	0	0
1983	0	0	0	0
1984	0	0	0	64
1985	0	0	0	119
1986	0	0	0	126
1987	0	0	0	138
1988	0	0	0	139
1989	0	0	0	132
1990	0	0	0	111
1991	0	0	0	130
1992	0	0	0	116
1993	0	0	0	117
1994	0	0	0	143
1995	0	0	0	135
1996	0	0	0	55
1997	0	0	0	95
1998	0	0	0	110
1999	0	0	0	100
2000	0	0	0	118
2001	0	0	0	128
2002	0	0	0	171
2003	0	0	0	198
2004	0	0	0	87
2005	0	0	0	0
2006	0	0	0	0
2007	0	0	0	40
2008	0	0	0	876
2009	0	0	0	293
2010	0	0	0	1,348
2011	0	0	0	1,321
2012	0	0	0	1,181
2013	0	0	0	1,217
2014	0	0	0	1,489
2015	0	1,078	30	1,359
2016	0	4,637	215	1,459
2017	0	3,791	91	1,451

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	77.7	77.7	77.7
1961	0.0	0.0	0.0	0.0	NA	70.4	70.4	70.4
1962	0.0	0.0	0.0	0.0	NA	74.0	74.0	74.0
1963	0.0	0.0	0.0	0.0	NA	73.2	73.2	73.2
1964	0.0	0.0	0.0	0.0	NA	76.9	76.9	76.9
1965	0.0	0.0	0.0	0.0	NA	79.8	79.8	79.8
1966	0.0	0.0	0.0	0.0	NA	81.4	81.4	81.4
1967	0.0	0.0	0.0	0.0	NA	82.3	82.3	82.3
1968	0.0	0.0	0.0	0.0	NA	80.8	80.8	80.8
1969	0.0	0.0	0.0	0.0	NA	76.2	76.2	76.2
1970	0.0	0.0	0.0	0.0	NA	85.7	85.7	85.7
1971	0.0	0.0	0.0	0.0	NA	89.4	89.4	89.4
1972	0.0	0.0	0.0	0.0	NA	92.8	92.8	92.8
1973	0.0	0.0	0.0	0.0	NA	97.2	97.2	97.2
1974	0.0	0.0	0.0	0.0	NA	111.5	111.5	111.5
1975	0.0	0.0	0.0	0.0	NA	118.0	118.0	118.0
1976	0.0	0.0	0.0	0.0	NA	121.4	121.4	121.4
1977	0.0	0.0	0.0	0.0	NA	86.0	86.0	86.0
1978	0.0	0.0	0.0	0.0	NA	119.3	119.3	119.3
1979	0.0	0.0	0.0	0.0	NA	113.7	113.7	113.7
1980	0.0	0.0	0.0	0.0	NA	113.4	113.4	113.4
1981	0.0	0.0	0.0	0.0	0.0	115.7	115.7	115.7
1982	0.0	0.0	0.0	0.0	0.0	137.2	137.2	137.2
1983	0.0	0.0	0.0	0.0	0.0	152.3	152.3	152.3
1984	0.0	0.0	0.0	0.0	0.4	155.9	156.3	156.3
1985	0.0	0.0	0.0	0.0	0.8	131.8	132.5	132.5
1986	0.0	0.0	0.0	0.0	0.8	145.8	146.6	146.6
1987	0.0	0.0	0.0	0.0	0.9	100.9	101.7	101.7
1988	0.0	0.0	0.0	0.0	0.9	86.6	87.5	87.5
1989	0.0	0.0	0.0	0.0	0.8	123.8	124.7	124.7
1990	0.0	0.0	0.0	0.0	0.7	118.8	119.5	119.5
1991	0.0	0.0	0.0	0.0	0.8	115.2	116.0	116.0
1992	0.0	0.0	0.0	0.0	0.7	94.4	95.1	95.1
1993	0.0	0.0	0.0	0.0	0.7	125.5	126.2	126.2
1994	0.0	0.0	0.0	0.0	0.9	105.8	106.7	106.7
1995	0.0	0.0	0.0	0.0	0.8	139.1	139.9	139.9
1996	0.0	0.0	0.0	0.0	0.3	163.9	164.2	164.2
1997	0.0	0.0	0.0	0.0	0.6	178.8	179.3	179.3
1998	0.0	0.0	0.0	0.0	0.7	159.5	160.2	160.2
1999	0.0	0.0	0.0	0.0	0.6	167.1	167.7	167.7
2000	0.0	0.0	0.0	0.0	0.7	140.7	141.4	141.4
2001	0.0	0.0	0.0	0.0	0.8	104.3	105.0	105.0
2002	0.0	0.0	0.0	0.0	1.0	112.8	113.8	113.8
2003	0.0	0.0	0.0	0.0	1.2	108.4	109.6	109.6
2004	0.0	0.0	0.0	0.0	0.5	111.9	112.4	112.4
2005	0.0	0.0	0.0	0.0	0.0	121.1	121.1	121.1
2006	0.0	0.0	0.0	0.0	0.0	146.5	146.5	146.5
2007	0.0	0.0	0.0	0.0	0.2	125.4	125.6	125.6
2008	0.0	0.0	0.0	0.0	5.1	128.5	133.5	133.5
2009	0.0	0.0	0.0	0.0	1.7	132.8	134.5	134.5
2010	0.0	0.0	0.0	0.0	7.8	125.5 R	133.3 R	133.3 R
2011	0.0	0.0	0.0	0.0	7.6	170.1 R	177.6 R	177.6 R
2012	0.0	0.0	0.0	0.0	6.8	148.6 R	155.3 R	155.3 R
2013	0.0	0.0	0.0	0.0	6.9	132.3 R	139.2 R	139.2 R
2014	0.0	0.0	0.0	0.0	8.5	147.0	155.4 R	155.4 R
2015	0.0	1.2	0.2	0.0	7.7	144.6 R	152.3 R	153.7 R
2016	0.0	5.2 R	1.2	0.0	8.2	142.4 R	150.6 R	157.1 R
2017	0.0	4.2	0.5	0.0	8.2	163.1	171.2	175.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	45,977	11,666	77,341	NA
1961	45,246	9,970	76,818	NA
1962	48,487	10,650	78,796	NA
1963	51,736	9,459	74,796	NA
1964	55,023	7,867	70,168	NA
1965	58,483	7,396	63,708	NA
1966	63,571	7,230	61,661	NA
1967	65,133	5,144	59,142	NA
1968	62,441	4,380	56,391	NA
1969	64,722	3,800	50,724	NA
1970	65,119	4,850	43,747	NA
1971	58,402	498	39,084	NA
1972	65,523	1,194	34,874	NA
1973	61,572	1,638	30,669	NA
1974	58,215	1,436	27,553	NA
1975	59,537	1,440	26,067	NA
1976	58,239	1,556	26,272	NA
1977	53,493	1,003	25,608	NA
1978	48,600	1,159	23,362	NA
1979	59,579	1,585	21,793	NA
1980	62,543	1,574	22,702	NA
1981	51,865	1,295	24,090	964
1982	60,275	1,162	27,710	3,227
1983	56,846	1,030	29,200	6,084
1984	63,769	1,530	28,868	7,290
1985	59,201	1,324	30,265	7,844
1986	61,866	1,887	27,245	8,321
1987	59,155	1,371	23,980	9,128
1988	58,594	1,338	22,476	9,189
1989	59,267	1,477	20,378	8,691
1990	60,393	677	19,954	7,305
1991	60,258	466	19,068	8,571
1992	59,857	347	19,303	9,815
1993	41,098	340	17,406	10,713
1994	52,797	333	17,148	11,376
1995	48,180	335	16,190	10,937
1996	46,656	298	15,575	4,491
1997	41,159	231	16,115	7,943
1998	39,732	209	13,732	9,365
1999	40,417	195	12,065	8,674
2000	33,444	189	12,206	10,399
2001	33,783	185	10,092	11,385
2002	33,358	180	11,100	15,547
2003	31,760	174	11,697	18,697
2004	31,912	170	10,984	17,698
2005	32,014	166	10,207	17,059
2006	32,729	170	10,324	17,569
2007	32,857	1,394	9,609	21,566
2008	33,074	1,193	9,430	23,988
2009	34,021	1,443	9,099	30,498
2010	33,465	1,702	9,067	30,940
2011	37,938	2,121	9,158	30,068
2012	48,763	2,125	9,733	30,346
2013	52,256	2,887	9,539	29,613
2014	58,025	1,929	9,546	30,770
2015	56,227	2,080	9,520	35,550
2016	43,575	2,183	8,639	38,604
2017	48,303	2,131	8,314	41,634

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	1,020.7	21.2	448.6	3.0	NA	33.0	33.0	1,526.4
1961	1,004.5	18.1	445.5	6.1	NA	32.2	32.2	1,506.5
1962	1,076.4	19.3	457.0	13.9	NA	32.9	32.9	1,599.5
1963	1,148.5	17.2	433.8	11.1	NA	34.4	34.4	1,645.0
1964	1,221.5	14.3	407.0	11.7	NA	34.5	34.5	1,689.0
1965	1,298.3	13.4	369.5	11.4	NA	35.0	35.0	1,727.7
1966	1,411.3	13.1	357.6	16.4	NA	37.1	37.1	1,835.5
1967	1,446.0	9.3	343.0	9.3	NA	37.4	37.4	1,845.1
1968	1,386.2	8.0	327.1	10.4	NA	40.0	40.0	1,771.6
1969	1,436.8	6.9	294.2	9.1	NA	41.7	41.7	1,788.8
1970	1,445.6	8.8	253.7	27.6	NA	41.1	41.1	1,776.8
1971	1,296.5	0.9	226.7	47.4	NA	40.6	40.6	1,612.2
1972	1,454.6	2.2	202.3	141.0	NA	41.5	41.5	1,841.6
1973	1,328.3	3.0	177.9	218.6	NA	43.9	43.9	1,771.7
1974	1,250.2	2.6	159.8	218.7	NA	44.0	44.0	1,675.2
1975	1,274.5	2.6	151.2	245.8	NA	42.9	42.9	1,717.0
1976	1,257.8	2.8	152.4	292.2	NA	47.5	47.5	1,752.7
1977	1,151.7	1.8	148.5	307.4	NA	51.3	51.3	1,660.7
1978	1,047.0	2.1	135.5	360.2	NA	62.9	62.9	1,607.7
1979	1,292.8	2.9	126.4	298.8	NA	64.6	64.6	1,785.6
1980	1,357.2	3.0	131.7	302.6	NA	92.4	92.4	1,886.8
1981	1,136.6	2.5	139.7	325.2	6.2	97.0	103.2	1,707.2
1982	1,320.2	2.2	160.7	305.9	20.7	96.9	117.6	1,906.5
1983	1,250.6	1.9	169.4	305.6	38.8	106.7	145.6	1,873.0
1984	1,406.4	2.8	167.4	379.2	46.4	99.3	145.7	2,101.5
1985	1,311.3	2.5	175.5	415.4	49.7	100.7	150.4	2,055.1
1986	1,375.0	3.5	158.0	450.8	52.6	107.9	160.5	2,147.8
1987	1,314.8	2.6	139.1	524.1	57.5	114.4	171.9	2,152.4
1988	1,310.5	1.5	130.4	733.3	57.6	122.4	180.0	2,355.7
1989	1,323.2	1.7	118.2	791.8	54.3	94.8	149.1	2,384.0
1990	1,350.3	0.8	115.7	760.7	45.5	71.5	116.9	2,344.5
1991	1,350.5	0.7	110.6	753.4	53.2	72.9	126.1	2,341.3
1992	1,347.6	0.5	112.0	772.2	60.7	73.7	134.4	2,366.6
1993	929.8	0.5	101.0	823.2	66.0	55.0	121.0	1,975.5
1994	1,185.0	0.5	99.5	759.4	69.8	52.6	122.5	2,166.8
1995	1,081.9	0.5	93.9	824.6	66.9	53.9	120.8	2,121.7
1996	1,055.5	0.4	90.3	732.8	27.4	60.8	88.2	1,967.3
1997	926.7	0.6	93.5	535.9	48.2	54.7	102.9	1,659.5
1998	900.9	0.3	79.6	583.3	56.7	48.5	105.2	1,669.3
1999	929.0	0.3	70.0	854.2	52.4	51.6	104.0	1,957.5
2000	775.4	0.3	70.8	932.7	62.8	47.0	109.8	1,889.0
2001	772.3	0.2	58.5	964.5	68.6	44.2	112.8	1,908.4
2002	758.8	0.3	64.4	948.8	93.6	46.3	139.9	1,912.1
2003	721.2	0.2	67.8	987.3	111.9	47.0	158.9	1,935.5
2004	722.8	0.2	63.7	959.9	105.3	48.3	153.5	1,900.1
2005	727.4	0.2	59.2	973.3	100.8	35.7	136.6	1,896.7
2006	740.9	0.2	59.9	982.5	103.2	31.3	134.5	1,918.1
2007	748.7	1.5	55.7	1,004.1	125.9	37.7	163.6	1,973.7
2008	758.1	1.3	54.7	994.5	139.2	56.1	195.3	2,003.9
2009	783.3	1.5	52.8	998.6	176.0	69.5	245.6	2,081.7
2010	767.4	2.2	52.6	1,005.4	178.2	88.4 R	266.6 R	2,094.1 R
2011	864.2	3.6 R	53.1	1,002.7	172.6	94.4 R	267.0 R	2,190.7 R
2012	1,094.2	2.1	56.5	1,010.2	173.6	104.7 R	278.3 R	2,441.3 R
2013	1,149.6	2.9	55.3	1,014.9	168.9	127.4 R	296.3 R	2,519.1 R
2014	1,293.5	2.0	55.4	1,023.5	175.0	132.4 R	307.3 R	2,681.8 R
2015	1,252.9	2.2	54.4	1,017.4	201.5	124.7 R	326.2 R	2,653.1 R
2016	977.1	2.3	49.4	1,031.3	218.0	122.4 R	340.4 R	2,400.6 R
2017	1,079.6	2.3	47.6	1,016.5	234.6	135.7	370.3	2,516.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	15,538	342	12,054	NA
1961	15,106	382	11,500	NA
1962	15,709	284	12,077	NA
1963	15,100	286	11,902	NA
1964	15,075	200	11,283	NA
1965	15,565	239	11,481	NA
1966	17,326	215	10,617	NA
1967	18,772	198	10,081	NA
1968	18,486	234	8,692	NA
1969	20,086	171	7,841	NA
1970	22,263	153	7,487	NA
1971	21,396	537	6,658	NA
1972	25,949	355	6,130	NA
1973	25,253	276	5,312	NA
1974	23,726	176	4,919	NA
1975	25,124	346	4,632	NA
1976	25,369	192	4,630	NA
1977	27,797	183	5,314	NA
1978	24,182	163	4,689	NA
1979	27,490	350	4,715	NA
1980	30,873	463	4,978	NA
1981	29,313	330	4,721	0
1982	31,763	233	5,563	0
1983	31,835	135	5,321	0
1984	37,555	394	5,526	0
1985	33,316	367	5,168	1,398
1986	32,852	365	4,759	1,483
1987	34,208	217	3,738	1,627
1988	31,271	412	3,665	1,638
1989	33,641	416	3,311	1,549
1990	35,907	399	3,000	1,302
1991	31,468	232	3,014	1,528
1992	30,466	174	3,016	1,365
1993	29,295	192	2,761	1,490
1994	30,927	107	2,492	1,660
1995	26,007	249	2,778	1,591
1996	29,670	360	2,523	651
1997	35,497	526	2,430	1,148
1998	36,803	615	2,208	1,350
1999	34,044	855	1,964	1,247
2000	27,965	899	2,098	1,491
2001	36,738	1,064	2,022	1,628
2002	35,513	1,309	1,962	2,210
2003	35,512	1,464	1,865	2,593
2004	35,206	3,401	1,755	2,357
2005	34,457	3,135	1,727	2,266
2006	35,119	2,921	1,773	2,286
2007	35,003	3,606	1,727	6,337
2008	36,040	4,701	1,859	13,847
2009	35,850	4,927	1,803	16,723
2010	35,317	6,802	1,835	19,283
2011	37,544	9,075	1,987	22,547
2012	36,720	8,814	2,350	22,174
2013	39,102	7,938	2,399	22,106
2014	39,267	6,616	2,507	24,461
2015	34,295	7,250	2,219	27,158
2016	28,767	6,205	1,817	28,333
2017	31,472	5,914	1,779	28,360

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	346.3	0.3	69.9	0.0	NA	24.6	24.6	441.1
1961	336.7	0.4	66.7	0.0	NA	24.2	24.2	428.0
1962	350.1	0.3	70.0	0.0	NA	24.1	24.1	444.6
1963	336.6	0.3	69.0	0.0	NA	24.0	24.0	429.9
1964	336.0	0.2	65.4	0.0	NA	23.2	23.2	424.8
1965	346.9	0.2	66.6	0.0	NA	23.1	23.1	436.8
1966	386.2	0.2	61.6	0.0	NA	24.3	24.3	472.3
1967	418.4	0.2	58.5	0.0	NA	27.4	27.4	504.4
1968	412.0	0.2	50.4	0.0	NA	28.7	28.7	491.4
1969	447.7	0.2	45.5	0.0	NA	30.0	30.0	523.3
1970	496.2	0.2	43.4	0.0	NA	28.5	28.5	568.3
1971	476.9	0.5	38.6	0.0	NA	27.2	27.2	543.2
1972	578.4	0.4	35.6	0.0	NA	30.8	30.8	645.1
1973	550.9	0.3	30.8	0.0	NA	32.1	32.1	614.1
1974	514.5	0.2	28.5	0.0	NA	32.0	32.0	575.2
1975	542.8	0.3	26.9	0.0	NA	31.3	31.3	601.3
1976	548.3	0.2	26.9	0.0	NA	36.0	36.0	611.3
1977	601.9	0.2	30.8	0.0	NA	38.8	38.8	671.6
1978	522.2	0.2	27.2	0.0	NA	45.8	45.8	595.4
1979	597.5	0.5	27.3	0.0	NA	51.9	51.9	677.1
1980	671.0	0.6	28.9	0.0	NA	56.1	56.1	756.6
1981	638.5	0.4	27.4	0.0	0.0	59.2	59.2	725.4
1982	694.7	0.3	32.3	0.0	0.0	58.1	58.1	785.4
1983	698.0	0.1	30.9	0.0	0.0	63.7	63.7	792.6
1984	821.4	0.4	32.1	0.0	0.0	60.5	60.5	914.4
1985	734.6	0.4	30.0	0.0	8.9	61.1	70.0	834.9
1986	729.4	0.4	27.6	0.0	9.4	62.7	72.1	829.5
1987	759.5	0.2	21.7	0.0	10.2	66.4	76.6	858.0
1988	697.0	0.4	21.3	0.0	10.3	70.0	80.3	799.0
1989	747.4	0.4	19.2	0.0	9.7	59.6	69.2	836.3
1990	797.3	0.4	17.4	0.0	8.1	52.0	60.1	875.2
1991	700.9	0.2	17.5	0.0	9.5	51.5	61.0	779.7
1992	679.1	0.2	17.5	0.0	8.4	53.4	61.9	758.6
1993	654.7	0.2	16.0	0.0	9.2	43.4	52.5	723.4
1994	690.8	0.1	14.5	0.0	10.2	41.2	51.4	756.8
1995	578.1	0.3	16.1	0.0	9.7	42.8	52.5	647.0
1996	657.8	0.4	14.6	0.0	4.0	44.1	48.1	720.9
1997	785.2	0.5	14.1	0.0	7.0	38.8	45.8	845.6
1998	813.0	0.6	12.8	0.0	8.2	36.0	44.2	870.6
1999	756.6	0.9	11.4	0.0	7.5	35.6	43.1	812.0
2000	621.2	0.9	12.2	0.0	9.0	35.0	44.0	678.3
2001	813.2	1.1	11.7	0.0	9.8	39.8	49.6	875.6
2002	789.2	1.3	11.4	0.0	13.3	39.2	52.5	854.4
2003	792.2	1.6	10.8	0.0	15.5	39.8	55.3	859.9
2004	786.2	3.4	10.2	0.0	14.0	40.9	54.9	854.7
2005	769.0	3.2	10.0	0.0	13.4	45.2	58.6	840.8
2006	783.4	3.0	10.3	0.0	13.4	35.5	48.9	845.6
2007	783.0	3.7	10.0	0.0	37.0	34.6	71.6	868.3
2008	803.0	4.8	10.8	0.0	80.4	43.4	123.8	942.4
2009	800.2	5.0	10.5	0.0	96.5	54.2	150.7	966.3
2010	790.9	6.9	10.6	0.0	111.1	71.5 R	182.6 R	991.0 R
2011	841.0	9.2	11.5	0.0	129.5	74.0 R	203.5 R	1,065.2 R
2012	826.8	8.9	13.6	0.0	126.9	69.9 R	196.8 R	1,046.2 R
2013	883.3	8.1	13.9	0.0	126.1	76.4 R	202.5 R	1,107.7 R
2014	886.4	6.7	14.5	0.0	139.1	77.4 R	216.5 R	1,124.2 R
2015	776.5	7.4	12.7	0.0	153.9	86.6 R	240.5 R	1,037.1 R
2016	654.5	6.4	10.4	0.0	160.0	90.6 R	250.6 R	921.9 R
2017	713.4	6.2	10.2	0.0	159.8	89.8	249.5	979.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	1,068	0	0	NA
1961	927	0	0	NA
1962	1,130	0	0	NA
1963	1,213	0	0	NA
1964	973	0	0	NA
1965	1,043	0	0	NA
1966	1,025	0	0	NA
1967	883	0	0	NA
1968	876	0	0	NA
1969	903	0	0	NA
1970	987	0	0	NA
1971	939	0	0	NA
1972	851	0	0	NA
1973	601	0	0	NA
1974	590	0	0	NA
1975	622	0	0	NA
1976	616	0	0	NA
1977	513	0	0	NA
1978	450	0	0	NA
1979	637	0	0	NA
1980	559	0	0	NA
1981	717	0	0	833
1982	566	0	0	1,012
1983	385	0	0	1,250
1984	527	0	0	1,607
1985	591	0	0	1,607
1986	484	0	0	2,976
1987	468	0	0	4,167
1988	341	0	0	4,167
1989	430	0	0	5,060
1990	381	0	0	5,060
1991	344	0	0	5,655
1992	289	0	0	7,143
1993	175	0	0	8,929
1994	46	0	0	10,095
1995	0	0	0	10,095
1996	0	0	0	10,095
1997	0	0	0	10,095
1998	0	0	0	10,095
1999	0	0	0	10,476
2000	0	0	0	10,476
2001	0	0	0	10,476
2002	0	0	0	10,476
2003	0	0	0	14,238
2004	0	0	0	20,452
2005	0	0	0	26,190
2006	0	0	0	35,714
2007	0	0	0	46,548
2008	0	0	0	56,123
2009	0	0	0	74,000
2010	0	0	0	86,783
2011	0	0	0	87,314
2012	0	0	0	82,706
2013	0	0	0	87,367
2014	0	0	0	92,067
2015	0	0	0	91,328
2016	0	0	0	95,513
2017	0	0	0	97,966

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	22.1	0.0	0.0	0.0	NA	15.9	15.9	37.9
1961	19.1	0.0	0.0	0.0	NA	15.7	15.7	34.9
1962	23.3	0.0	0.0	0.0	NA	15.6	15.6	38.9
1963	25.1	0.0	0.0	0.0	NA	13.4	13.4	38.5
1964	20.1	0.0	0.0	0.0	NA	12.8	12.8	32.9
1965	21.5	0.0	0.0	0.0	NA	15.2	15.2	36.7
1966	21.2	0.0	0.0	0.0	NA	15.0	15.0	36.2
1967	18.2	0.0	0.0	0.0	NA	14.2	14.2	32.5
1968	18.1	0.0	0.0	0.0	NA	16.2	16.2	34.3
1969	18.7	0.0	0.0	0.0	NA	15.3	15.3	33.9
1970	20.4	0.0	0.0	0.0	NA	16.1	16.1	36.5
1971	19.4	0.0	0.0	0.0	NA	16.1	16.1	35.5
1972	17.6	0.0	0.0	0.0	NA	17.2	17.2	34.8
1973	11.3	0.0	0.0	0.0	NA	16.7	16.7	28.0
1974	11.3	0.0	0.0	14.8	NA	17.0	17.0	43.1
1975	11.8	0.0	0.0	25.2	NA	17.0	17.0	54.1
1976	12.4	0.0	0.0	27.4	NA	15.2	15.2	54.9
1977	9.9	0.0	0.0	31.1	NA	17.1	17.1	58.1
1978	8.8	0.0	0.0	13.2	NA	19.3	19.3	41.3
1979	11.7	0.0	0.0	31.4	NA	18.9	18.9	62.1
1980	10.3	0.0	0.0	28.0	NA	58.6	58.6	96.8
1981	14.7	0.0	0.0	24.3	5.4	59.9	65.2	104.3
1982	11.5	0.0	0.0	25.1	6.5	59.8	66.3	102.9
1983	7.9	0.0	0.0	25.2	8.0	64.3	72.3	105.4
1984	10.3	0.0	0.0	29.3	10.2	67.4	77.6	117.2
1985	11.8	0.0	0.0	20.5	10.2	68.5	78.7	110.9
1986	9.6	0.0	0.0	31.7	18.8	88.6	107.4	148.7
1987	9.3	0.0	0.0	26.3	26.2	92.5	118.8	154.4
1988	7.0	0.0	0.0	33.5	26.1	96.4	122.6	163.1
1989	8.8	0.0	0.0	33.2	31.6	59.7	91.3	133.3
1990	7.7	0.0	0.0	31.9	31.5	57.0	88.5	128.1
1991	6.8	0.0	0.0	43.5	35.1	56.8	91.9	142.2
1992	5.7	0.0	0.0	35.7	44.2	56.1	100.2	141.6
1993	3.4	0.0	0.0	34.0	55.0	51.3	106.3	143.7
1994	0.9	0.0	0.0	42.9	62.0	52.0	114.0	157.8
1995	0.0	0.0	0.0	39.2	61.8	51.4	113.1	152.3
1996	0.0	0.0	0.0	41.2	61.5	58.2	119.7	160.9
1997	0.0	0.0	0.0	43.5	61.3	48.9	110.2	153.7
1998	0.0	0.0	0.0	39.5	61.1	46.9	108.0	147.5
1999	0.0	0.0	0.0	38.0	63.3	50.9	114.2	152.2
2000	0.0	0.0	0.0	46.4	63.2	46.1	109.4	155.8
2001	0.0	0.0	0.0	40.2	63.2	41.8	104.9	145.2
2002	0.0	0.0	0.0	47.8	63.1	50.1	113.2	161.0
2003	0.0	0.0	0.0	41.6	85.2	48.9	134.1	175.7
2004	0.0	0.0	0.0	51.4	121.6	51.1	172.8	224.2
2005	0.0	0.0	0.0	47.4	154.8	57.7	212.6	259.9
2006	0.0	0.0	0.0	53.2	209.8	53.6	263.4	316.6
2007	0.0	0.0	0.0	47.4	271.8	61.0	332.9	380.3
2008	0.0	0.0	0.0	55.2	325.7	73.1	398.8	454.1
2009	0.0	0.0	0.0	48.9	427.1	109.7	536.8	585.8
2010	0.0	0.0	0.0	46.5	499.8	128.2 R	628.0 R	674.5 R
2011	0.0	0.0	0.0	54.6	501.3	134.2 R	635.5 R	690.1 R
2012	0.0	0.0	0.0	45.6	473.2	159.8 R	633.0 R	678.6 R
2013	0.0	0.0	0.0	55.6	498.3	176.7 R	675.0 R	730.6 R
2014	0.0	0.0	0.0	43.4	523.6	188.0 R	711.5 R	755.0 R
2015	0.0	0.0	0.0	54.8	517.6	198.6 R	716.2 R	771.0 R
2016	0.0	0.0	0.0	49.2	539.3	216.2 R	755.5 R	804.7 R
2017	0.0	0.0	0.0	54.5	552.0	228.6	780.5	835.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	888	634,410	113,453	NA
1961	664	649,083	112,241	NA
1962	915	694,352	112,076	NA
1963	1,169	732,946	109,107	NA
1964	1,263	768,246	106,252	NA
1965	1,310	793,379	104,733	NA
1966	1,122	847,495	103,738	NA
1967	1,136	871,971	99,200	NA
1968	1,268	835,555	94,505	NA
1969	1,313	883,156	88,716	NA
1970	1,627	899,955	84,853	NA
1971	1,151	885,144	78,532	NA
1972	1,227	889,268	73,744	NA
1973	1,086	893,118	66,227	NA
1974	718	886,782	61,691	NA
1975	479	843,625	59,106	NA
1976	590	829,170	58,714	NA
1977	897	781,289	57,496	NA
1978	1,226	854,484	56,586	NA
1979	806	797,762	56,995	NA
1980	842	735,035	60,151	NA
1981	1,361	640,114	65,810	62
1982	1,412	440,951	70,525	207
1983	1,271	447,207	71,594	391
1984	1,328	480,211	75,729	468
1985	994	528,032	75,407	504
1986	1,486	478,963	67,034	535
1987	2,021	472,752	59,884	586
1988	737	592,845	58,824	590
1989	856	601,196	55,485	558
1990	721	573,603	55,428	469
1991	416	628,459	56,928	551
1992	363	658,007	53,613	492
1993	341	686,347	49,625	711
1994	284	712,730	46,732	770
1995	285	721,436	43,767	727
1996	232	712,796	41,789	294
1997	360	687,215	39,835	511
1998	341	603,586	35,541	592
1999	409	553,419	29,046	540
2000	201	525,729	34,463	636
2001	176	480,145	33,942	686
2002	205	454,901	33,380	1,475
2003	154	418,893	33,973	2,328
2004	71	397,121	33,879	2,646
2005	171	377,229	33,620	3,143
2006	426	371,044	35,668	4,164
2007	420	365,877	36,590	5,530
2008	229	374,310	39,663 R	10,573
2009	185	354,440	39,466	9,781
2010	133	324,720	40,468	10,847
2011	37	309,124	41,507	10,676
2012	16	296,300	43,743	10,132
2013	22	292,468	46,846 R	10,678
2014	66	286,480	49,513	12,648
2015	199	284,184	45,467 R	12,209
2016	27	244,795 R	37,938 R	12,163
2017	0	214,480	35,822	12,137

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	18.9	678.8 R	658.0	0.0	NA	4.1	4.1	1,359.9 R
1961	14.2	694.5 R	651.0	0.0	NA	3.9	3.9	1,363.5 R
1962	19.5	742.9 R	650.0	0.0	NA	3.7	3.7	1,416.1 R
1963	24.9	784.2 R	632.8	0.0	NA	3.8	3.8	1,445.8 R
1964	26.9	822.0 R	616.3	0.0	NA	3.7	3.7	1,468.9 R
1965	27.9	848.9 R	607.5	0.0	NA	3.5	3.5	1,487.8 R
1966	23.9	906.8 R	601.7	0.0	NA	3.5	3.5	1,535.9 R
1967	24.2	933.0 R	575.4	0.0	NA	3.3	3.3	1,535.9 R
1968	27.0	894.0 R	548.1	0.0	NA	3.5	3.5	1,472.6 R
1969	28.0	945.0 R	514.6	0.0	NA	3.3	3.3	1,490.8 R
1970	34.7	962.9 R	492.1	0.0	NA	3.7	3.7	1,493.5 R
1971	24.5	954.0 R	455.5	0.0	NA	3.9	3.9	1,438.0 R
1972	26.1	960.2 R	427.7	0.0	NA	5.7	5.7	1,419.8 R
1973	23.0	958.7 R	384.1	0.0	NA	6.0	6.0	1,371.8 R
1974	14.3	948.9 R	357.8	0.0	NA	5.9	5.9	1,327.0 R
1975	9.7	901.6 R	342.8	0.0	NA	5.8	5.8	1,260.0 R
1976	12.1	882.9 R	340.5	0.0	NA	6.5	6.5	1,242.0 R
1977	18.0	837.0 R	333.5	0.0	NA	6.9	6.9	1,195.4 R
1978	25.5	909.1 R	328.2	0.0	NA	7.5	7.5	1,270.4 R
1979	16.4	861.2 R	330.6	0.0	NA	7.9	7.9	1,216.0 R
1980	17.1	800.6 R	348.9	0.0	NA	9.1	9.1	1,175.7 R
1981	29.2	699.4 R	381.7	0.0	0.4	8.2	8.6	1,118.9 R
1982	29.7	480.9 R	409.0	0.0	1.3	9.7	11.0	930.7 R
1983	28.7	494.0 R	415.2	0.0	2.5	9.0	11.5	949.5 R
1984	29.2	524.0 R	439.2	0.0	3.0	11.2	14.2	1,006.5 R
1985	21.0	574.3 R	437.4	41.0	3.2	11.6	14.8	1,088.3 R
1986	29.5	516.2 R	388.8	73.6	3.4	18.5	21.9	1,030.0 R
1987	40.1	540.0 R	347.3	67.6	3.7	17.7	21.4	1,016.4 R
1988	15.7	635.8 R	341.2	70.5	3.7	19.1	22.8	1,085.9 R
1989	18.4	648.0 R	321.8	102.8	3.5	15.2	18.7	1,109.7 R
1990	17.4	623.6 R	321.5	83.3	2.9	12.0	14.9	1,060.7 R
1991	10.1	702.8 R	330.2	61.4	3.4	12.2	15.6	1,120.1 R
1992	8.9	719.3 R	311.0	88.9	3.0	12.3	15.4	1,143.4 R
1993	8.2	750.0 R	287.8	83.0	4.4	11.1	15.5	1,144.5 R
1994	6.9	787.4 R	271.0	89.1	4.7	10.6	15.3	1,169.8 R
1995	6.9	800.1 R	253.8	105.7	4.5	10.6	15.1	1,181.6 R
1996	5.6	785.5 R	242.4	86.2	1.8	10.8	12.6	1,132.2 R
1997	8.1	746.6 R	231.0	88.5	3.1	8.8	11.9	1,086.1 R
1998	7.5	669.6 R	206.1	109.2	3.6	8.1	11.7	1,004.1 R
1999	9.0	624.3 R	168.5	95.7	3.3	8.3	11.5	909.0 R
2000	4.3	595.4 R	199.9	94.5	3.8	8.1	11.9	906.0 R
2001	3.7	544.6 R	196.9	108.1	4.1	9.0	13.1	866.2 R
2002	4.4	522.3 R	193.6	94.4	8.9	13.3	22.2	836.9 R
2003	3.3	479.7 R	197.0	92.6	13.9	12.6	26.5	799.2 R
2004	1.7	456.8 R	196.5	105.7	15.7	12.6	28.3	789.0 R
2005	4.0	432.1 R	195.0	92.1	18.6	12.5	31.1	754.2 R
2006	9.6	424.4 R	206.9	97.6	24.5	15.2	39.7	778.2 R
2007	9.3	414.3 R	212.2	108.8	32.3	17.3	49.6	794.1 R
2008	5.1	427.3 R	230.0 R	88.8	61.4	23.8	85.1	836.4 R
2009	4.3	399.7 R	228.9	91.7	56.5	34.6	91.1	815.7 R
2010	3.1	370.7 R	234.7	99.9	62.5	41.2 R	103.6 R	812.0 R
2011	0.8	355.0 R	240.7	76.6	61.3	46.1 R	107.4 R	780.6 R
2012	0.4	335.0 R	253.7	86.8	58.0	58.1 R	116.1 R	792.0 R
2013	0.5	321.5 R	271.7	74.9	60.9	99.7	160.6	829.2 R
2014	1.5	317.6 R	287.2	89.5	71.9	112.8 R	184.7 R	880.5 R
2015	4.4	318.5 R	259.9	90.3	69.2	110.9 R	180.1 R	853.2 R
2016	0.6	281.6 R	217.1 R	86.2	68.7	138.1 R	206.7	792.3 R
2017	0.0	251.6	205.0	111.4	68.4	179.1	247.5	815.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	66,846	75,329	21,147	NA
1961	63,032	70,937	18,344	NA
1962	69,212	70,241	17,789	NA
1963	77,350	74,634	18,344	NA
1964	82,747	77,360	19,772	NA
1965	85,766	78,976	19,386	NA
1966	93,156	76,536	18,066	NA
1967	100,294	89,168	15,535	NA
1968	101,156	89,024	14,036	NA
1969	109,049	81,304	12,924	NA
1970	125,305	77,892	11,575	NA
1971	119,389	72,723	10,692	NA
1972	121,187	63,648	9,702	NA
1973	127,645	62,396	8,687	NA
1974	137,197	71,876	7,837	NA
1975	143,613	60,511	7,556	NA
1976	143,972	66,137	7,483	NA
1977	146,262	60,902	6,581	NA
1978	135,689	70,044	5,724	NA
1979	147,782	59,520	5,514	NA
1980	150,144	57,180	5,946	NA
1981	157,559	61,312	6,548	0
1982	150,215	51,924	7,349	0
1983	131,217	46,720	7,886	0
1984	159,541	61,518	7,777	0
1985	152,272	73,126	7,790	0
1986	153,933	80,195	6,475	0
1987	165,192	70,125	5,743	0
1988	157,852	73,629	5,458	0
1989	167,389	72,417	5,414	0
1990	173,322	75,333	5,409	0
1991	158,980	78,904	5,485	0
1992	161,068	79,690	5,479	0
1993	156,299	86,966	4,595	0
1994	161,642	73,081	4,013	0
1995	153,739	74,754	3,492	0
1996	152,425	81,435	3,602	0
1997	155,853	79,547	2,988	0
1998	150,295	81,869	2,921	0
1999	139,626	76,770	2,777	0
2000	130,688	81,545	3,465	0
2001	134,297	81,723	2,969	0
2002	124,388	88,259	2,721	0
2003	113,126	87,608	2,538	0
2004	114,743	94,259	2,548	587
2005	120,029	92,795	2,535	570
2006	121,127	95,320	2,340	709
2007	115,530	95,437	2,666	848
2008	120,778	114,116	2,645	830
2009	107,802	113,300	2,609	842
2010	105,267	135,330	2,519	884
2011	108,971	124,243	2,326	866
2012	90,942	106,122	3,198	820
2013	80,546	94,664	2,305 R	861
2014	77,468	93,090	2,626 R	882
2015	61,434	95,907	2,862	861
2016	42,881	91,640 R	2,595	874
2017	41,807	88,715	2,477	870

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	1,586.4	86.7	122.7	0.0	NA	50.8	50.8	1,846.6
1961	1,493.9	81.7	106.4	0.0	NA	48.6	48.6	1,730.7 R
1962	1,638.6	80.9	103.2	0.0	NA	51.4	51.4	1,874.0
1963	1,832.5	85.9	106.4	0.0	NA	47.6	47.6	2,072.4
1964	1,963.8	89.1	114.7	0.0	NA	47.0	47.0	2,214.6 R
1965	2,037.3	90.9	112.4	0.0	NA	47.4	47.4	2,288.1
1966	2,212.1	88.1	104.8	0.0	NA	49.3	49.3	2,454.3
1967	2,381.0	102.7 R	90.1	0.0	NA	61.1	61.1	2,634.8
1968	2,400.5	102.5	81.4	0.0	NA	53.4	53.4	2,637.8
1969	2,597.6	93.6	75.0	0.0	NA	51.3	51.3	2,817.5
1970	3,017.6	89.7	67.1	0.0	NA	57.0	57.0	3,231.4
1971	2,869.3	84.4	62.0	0.0	NA	61.9	61.9	3,077.6
1972	2,910.5	75.1	56.3	0.0	NA	66.6	66.6	3,108.4
1973	3,057.3	72.5	50.4	0.0	NA	67.6	67.6	3,247.9
1974	3,248.1	82.0	45.5	0.0	NA	66.7	66.7	3,442.2
1975	3,440.0	69.7	43.8	0.0	NA	66.9	66.9	3,620.4
1976	3,479.2	75.3	43.4	0.0	NA	68.1	68.1	3,666.0
1977	3,513.2	69.2	38.2	0.0	NA	64.1	64.1	3,684.7
1978	3,266.6	80.2	33.2	0.0	NA	70.5	70.5	3,450.5
1979	3,639.7	66.7	32.0	0.0	NA	82.5	82.5	3,820.9
1980	3,703.4	70.3 R	34.5	0.0	NA	55.8	55.8	3,863.9
1981	3,960.8	72.1	38.0	0.0	0.0	55.1	55.1	4,126.0
1982	3,760.4	64.1	42.6	0.0	0.0	69.4	69.4	3,936.5
1983	3,285.6	57.5	45.7	0.0	0.0	65.0	65.0	3,453.8
1984	3,997.4	73.5	45.1	0.0	0.0	74.7	74.7	4,190.7
1985	3,831.4	85.9	45.2	0.0	0.0	69.5	69.5	4,032.1
1986	3,877.1	90.4	37.6	0.0	0.0	63.3	63.3	4,068.3
1987	4,152.1	76.1	33.3	0.0	0.0	60.4	60.4	4,321.9
1988	4,011.8	80.3	31.7	0.0	0.0	56.4	56.4	4,180.2
1989	4,220.1	77.9	31.4	0.0	0.0	73.0	73.0	4,402.4
1990	4,414.4	81.9	31.4	0.0	0.0	50.5	50.5	4,578.1
1991	4,054.9	86.6	31.8	0.0	0.0	56.6	56.6	4,230.0
1992	4,112.7	88.5	31.8	0.0	0.0	58.0	58.0	4,291.0
1993	3,962.4	95.2	26.7	0.0	0.0	48.0	48.0	4,132.3
1994	4,107.5	81.2	23.3	0.0	0.0	56.7	56.7	4,268.6
1995	3,910.0	85.9	20.3	0.0	0.0	51.2	51.2	4,067.4
1996	3,860.5	89.5	20.9	0.0	0.0	55.1	55.1	4,026.0
1997	3,940.2	87.4	17.3	0.0	0.0	48.0	48.0	4,092.9 R
1998	3,832.7	88.3	16.9	0.0	0.0	43.5	43.5	3,981.4
1999	3,502.9	82.9 R	16.1	0.0	0.0	38.2	38.2	3,640.1 R
2000	3,270.2	87.1 R	20.1	0.0	0.0	36.1	36.1	3,413.5
2001	3,326.9	87.0 R	17.2	0.0	0.0	53.2	53.2	3,484.3 R
2002	3,099.0	94.1 R	15.8	0.0	0.0	62.8	62.8	3,271.7 R
2003	2,809.8	92.9 R	14.7	0.0	0.0	65.6	65.6	2,983.0 R
2004	2,845.5	100.9 R	14.8	0.0	3.5	65.4	68.9	3,030.0 R
2005	2,973.9	97.9 R	14.7	0.0	3.4	63.5	66.8	3,153.3 R
2006	3,000.9	101.1 R	13.6	0.0	4.2	57.5	61.7	3,177.3 R
2007	2,872.9	100.6 R	15.5	0.0	5.0	50.6	55.6	3,044.5 R
2008	2,927.9	121.3 R	15.3	0.0	4.8	53.1	57.9	3,122.4 R
2009	2,616.1	121.7 R	15.1	0.0	4.9	65.1	69.9	2,822.9 R
2010	2,556.1	145.6 R	14.6	0.0	5.1	64.5 R	69.6 R	2,785.9 R
2011	2,623.8	134.1 R	13.5	0.0	5.0	68.5 R	73.4 R	2,844.8 R
2012	2,193.3	118.6 R	18.5	0.0	4.7	58.2 R	62.9 R	2,393.3 R
2013	1,940.1	106.7 R	13.4 R	0.0	4.9	72.4 R	77.3 R	2,137.4 R
2014	1,869.3	105.3 R	15.2 R	0.0	5.0	73.3 R	78.3 R	2,068.2 R
2015	1,486.0	108.1 R	16.4	0.0	4.9	67.1 R	72.0 R	1,682.4 R
2016	1,041.1	102.6 R	14.8	0.0	4.9	67.3 R	72.3 R	1,230.8 R
2017	1,015.1	101.2	14.2	0.0	4.9	77.4	82.3	1,212.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	2,701,290	360,224	NA
1961	0	2,930,457	369,322	NA
1962	0	3,065,142	400,393	NA
1963	0	3,356,838	418,720	NA
1964	0	3,518,012	438,438	NA
1965	0	3,709,330	458,890	NA
1966	0	4,109,389	500,055	NA
1967	0	4,513,693	567,632	NA
1968	0	4,897,689	566,683	NA
1969	0	5,367,402	555,147	NA
1970	0	5,473,309	579,984	NA
1971	0	5,427,337	561,149	NA
1972	0	5,061,807	520,279	NA
1973	0	5,019,773	467,135	NA
1974	0	4,410,390	400,564	NA
1975	0	3,703,619	342,021	NA
1976	0	3,475,977	307,328	NA
1977	0	3,376,485	280,129	NA
1978	0	3,375,176	258,816	NA
1979	0	3,003,610	229,801	NA
1980	0	2,739,651	213,806	NA
1981	0	2,577,631	199,579	0
1982	0	2,291,709	188,749	0
1983	0	2,018,759	179,617	0
1984	0	2,074,414	187,011	0
1985	207	1,727,611	184,409	0
1986	2,254	1,823,494	181,791	0
1987	2,751	1,738,067	175,027	0
1988	2,889	1,761,318	165,006	0
1989	2,983	1,704,445	153,295	0
1990	3,186	1,692,465	147,582	0
1991	3,151	1,632,560	147,070	0
1992	3,240	1,649,371	143,075	0
1993	3,134	1,674,425	138,673	0
1994	3,463	1,691,006	126,484	0
1995	3,719	1,683,062	122,885	0
1996	3,221	1,628,129	132,151	0
1997	3,545	1,505,014	134,134	0
1998	3,216	1,551,979	134,220	0
1999	2,953	1,566,916	120,008	0
2000	3,699	1,455,014	105,425	0
2001	3,715	1,502,086	104,610	0
2002	3,803	1,361,751	93,321	0
2003	4,028	1,350,399	90,018	0
2004	3,805	1,353,249	83,272	0
2005	4,161	1,296,048	75,199	0
2006	4,114	1,361,119	73,619	0
2007	3,127	1,365,333	76,978	0
2008	3,843	1,377,969	72,346 R	23
2009	3,657	1,548,607	68,822 R	36
2010	3,945	2,210,099	67,273 R	37
2011	3,865	3,029,206	68,958 R	37
2012	3,971	2,955,437	70,591 R	35
2013	2,810	2,360,201	71,938 R	36
2014	2,605	1,960,813	69,335 R	34
2015	3,439	1,805,197	63,610 R	0
2016	2,798	1,784,396 R	56,820 R	0
2017	2,079	2,138,918	52,024	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. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	2,937.8 R	2,089.3	0.0	NA	39.0	39.0	5,066.1 R
1961	0.0	3,187.1 R	2,142.1	0.0	NA	37.2	37.2	5,366.3 R
1962	0.0	3,333.5 R	2,322.3	0.0	NA	36.8	36.8	5,692.6 R
1963	0.0	3,650.8 R	2,428.6	0.0	NA	39.1	39.1	6,118.5 R
1964	0.0	3,826.1 R	2,542.9	0.0	NA	39.3	39.3	6,408.3 R
1965	0.0	4,034.1 R	2,661.6	0.0	NA	38.3	38.3	6,734.0 R
1966	0.0	4,469.2 R	2,900.3	0.0	NA	39.8	39.8	7,409.3 R
1967	0.0	4,908.9 R	3,292.3	0.0	NA	37.7	37.7	8,238.9 R
1968	0.0	5,326.5 R	3,286.8	0.0	NA	40.8	40.8	8,654.1 R
1969	0.0	5,837.4 R	3,219.9	0.0	NA	40.7	40.7	9,097.9 R
1970	0.0	5,952.6 R	3,363.9	0.0	NA	41.6	41.6	9,358.1 R
1971	0.0	5,928.0 R	3,254.7	0.0	NA	41.9	41.9	9,224.5 R
1972	0.0	5,554.7 R	3,017.6	0.0	NA	44.8	44.8	8,617.1 R
1973	0.0	5,521.2 R	2,709.4	0.0	NA	45.7	45.7	8,276.3 R
1974	0.0	4,858.2 R	2,323.3	0.0	NA	44.9	44.9	7,226.4 R
1975	0.0	4,136.3 R	1,983.7	0.0	NA	42.4	42.4	6,162.4 R
1976	0.0	3,877.9 R	1,782.5	0.0	NA	45.2	45.2	5,705.5 R
1977	0.0	3,761.4 R	1,624.7	0.0	NA	46.7	46.7	5,432.9 R
1978	0.0	3,766.2 R	1,501.1	0.0	NA	47.8	47.8	5,315.1 R
1979	0.0	3,395.6 R	1,332.8	0.0	NA	44.7	44.7	4,773.2 R
1980	0.0	3,099.0 R	1,240.1	0.0	NA	64.7	64.7	4,403.8 R
1981	0.0	2,926.6 R	1,157.6	0.0	0.0	68.3	68.3	4,152.4 R
1982	0.0	2,622.3 R	1,094.7	0.0	0.0	69.7	69.7	3,786.7 R
1983	0.0	2,305.9 R	1,041.8	0.0	0.0	74.7	74.7	3,422.3 R
1984	0.0	2,373.9 R	1,084.7	0.0	0.0	78.6	78.6	3,537.2 R
1985	2.8	1,989.3 R	1,069.6	26.1	0.0	78.5	78.5	3,166.4 R
1986	30.9	2,080.2 R	1,054.4	112.5	0.0	99.8	99.8	3,377.9 R
1987	37.8	2,008.7 R	1,015.2	128.7	0.0	100.1	100.1	3,290.4 R
1988	40.1	2,034.9 R	957.0	146.2	0.0	103.9	103.9	3,282.1 R
1989	40.9	1,974.7 R	889.1	131.1	0.0	129.3	129.3	3,165.1 R
1990	43.8	1,961.8 R	856.0	150.2	0.0	125.2	125.2	3,137.1 R
1991	43.7	1,921.5 R	853.0	146.3	0.0	127.5	127.5	3,092.0 R
1992	45.0	1,932.7 R	829.8	108.4	0.0	130.8	130.8	3,046.8 R
1993	43.3	1,945.9 R	804.3	151.2	0.0	137.5	137.5	3,082.2 R
1994	47.7	1,965.5 R	733.6	133.6	0.0	147.2	147.2	3,027.6 R
1995	50.7	1,974.9 R	712.7	164.8	0.0	151.6	151.6	3,054.8 R
1996	44.4	1,919.3 R	766.5	165.6	0.0	152.4	152.4	3,048.2 R
1997	48.6	1,898.8 R	778.0	141.8	0.0	149.6	149.6	3,016.9 R
1998	43.5	1,876.2 R	778.5	172.3	0.0	147.5	147.5	3,018.0 R
1999	41.1	1,881.9 R	696.0	137.0	0.0	148.3	148.3	2,904.4 R
2000	50.4	1,781.1 R	611.5	164.7	0.0	142.3	142.3	2,750.0 R
2001	50.8	1,791.7 R	606.7	181.0	0.0	136.1	136.1	2,766.4 R
2002	52.0	1,651.0 R	541.3	180.7	0.0	140.9	140.9	2,565.8 R
2003	54.6	1,599.3 R	522.1	168.1	0.0	148.6	148.6	2,492.7 R
2004	51.7	1,609.9 R	483.0	178.1	0.0	185.6	185.6	2,508.3 R
2005	61.5	1,514.7 R	436.2	163.6	0.0	151.3	151.3	2,327.3 R
2006	57.5	1,571.9 R	427.0	174.6	0.0	149.5	149.5	2,380.5 R
2007	42.9	1,577.2 R	446.5	179.1	0.0	150.0	150.0	2,395.7 R
2008	54.8	1,562.6 R	419.6	160.7	0.1	109.3	109.4	2,307.0 R
2009	50.5	1,731.3 R	399.2	175.5	0.2	106.9	107.1	2,463.6 R
2010	54.3	2,419.3 R	390.2	194.8	0.2	113.1 R	113.3 R	3,172.0 R
2011	52.4	3,233.2 R	400.0	173.9	0.2	111.8 R	112.1 R	3,971.5 R
2012	53.0	3,052.1 R	409.4	164.1	0.2	108.9 R	109.1 R	3,787.7 R
2013	38.1	2,463.6 R	417.2	177.2	0.2	126.0	126.2	3,222.3 R
2014	35.5	2,068.2 R	402.1 R	181.1	0.2	149.4	149.6	2,836.5 R
2015	46.9	1,916.4 R	363.7 R	160.0	0.0	132.2 R	132.2 R	2,619.2 R
2016	38.5	1,893.8 R	325.1 R	179.4	0.0	154.7 R	154.7 R	2,591.6 R
2017	27.9	2,237.2	297.7	161.2	0.0	232.5	232.5	2,956.6

[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) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	59.8	59.8	59.8
1961	0.0	0.0	0.0	0.0	NA	56.6	56.6	56.6
1962	0.0	0.0	0.0	0.0	NA	55.7	55.7	55.7
1963	0.0	0.0	0.0	0.0	NA	58.9	58.9	58.9
1964	0.0	0.0	0.0	0.0	NA	55.9	55.9	55.9
1965	0.0	0.0	0.0	0.0	NA	51.7	51.7	51.7
1966	0.0	0.0	0.0	0.0	NA	55.8	55.8	55.8
1967	0.0	0.0	0.0	0.0	NA	58.3	58.3	58.3
1968	0.0	0.0	0.0	0.0	NA	59.8	59.8	59.8
1969	0.0	0.0	0.0	0.0	NA	61.7	61.7	61.7
1970	0.0	0.0	0.0	0.0	NA	59.4	59.4	59.4
1971	0.0	0.0	0.0	0.0	NA	55.4	55.4	55.4
1972	0.0	0.0	0.0	0.6	NA	59.9	59.9	60.5
1973	0.0	0.0	0.0	36.5	NA	64.6	64.6	101.2
1974	0.0	0.0	0.0	39.9	NA	64.3	64.3	104.2
1975	0.0	0.0	0.0	49.6	NA	60.4	60.4	110.0
1976	0.0	0.0	0.0	65.5	NA	70.1	70.1	135.6
1977	0.0	0.0	0.0	55.4	NA	72.7	72.7	128.1
1978	0.0	0.0	0.0	58.6	NA	74.9	74.9	133.5
1979	0.0	0.0	0.0	48.9	NA	76.9	76.9	125.8
1980	0.0	0.0	0.0	48.0	NA	121.1	121.1	169.2
1981	0.0	0.0	0.0	57.5	0.0	129.8	129.8	187.3
1982	0.0	0.0	0.0	50.1	0.0	126.9	126.9	177.0
1983	0.0	0.0	0.0	62.5	0.0	140.3	140.3	202.7
1984	0.0	0.0	0.0	55.6	0.0	139.3	139.3	194.9
1985	0.0	0.0	0.0	56.9	0.0	136.0	136.0	192.9
1986	0.0	0.0	0.0	66.0	0.0	122.8	122.8	188.8
1987	0.0	0.0	0.0	42.2	0.0	116.4	116.4	158.6
1988	0.0	0.0	0.0	53.2	0.0	118.0	118.0	171.2
1989	0.0	0.0	0.0	73.5	0.0	154.4	154.4	227.9
1990	0.0	0.0	0.0	51.4	0.0	151.6	151.6	203.1
1991	0.0	0.0	0.0	65.7	0.0	157.3	157.3	222.9
1992	0.0	0.0	0.0	56.1	0.0	159.0	159.0	215.1
1993	0.0	0.0	0.0	60.3	0.0	158.2	158.2	218.4
1994	0.0	0.0	0.0	69.3	0.0	156.7	156.7	226.1
1995	0.0	0.0	0.0	2.1	0.0	160.9	160.9	163.0
1996	0.0	0.0	0.0	53.2	0.0	167.2	167.2	220.4
1997	0.0	0.0	0.0	0.0	0.0	161.8	161.8	161.8
1998	0.0	0.0	0.0	0.0	0.0	151.2	151.2	151.2
1999	0.0	0.0	0.0	0.0	0.0	159.2	159.2	159.2
2000	0.0	0.0	0.0	0.0	0.0	163.0	163.0	163.0
2001	0.0	0.0	0.0	0.0	0.0	146.1	146.1	146.1
2002	0.0	0.0	0.0	0.0	0.0	140.4	140.4	140.4
2003	0.0	0.0	0.0	0.0	0.0	132.3	132.3	132.3
2004	0.0	0.0	0.0	0.0	0.0	136.8	136.8	136.8
2005	0.0	0.0	0.0	0.0	0.0	159.7	159.7	159.7
2006	0.0	0.0	0.0	0.0	0.0	152.3	152.3	152.3
2007	0.0	0.0	0.0	0.0	0.0	155.6	155.6	155.6
2008	0.0	0.0	0.0	0.0	0.0	182.6	182.6	182.6
2009	0.0	0.0	0.0	0.0	0.0	148.2	148.2	148.2
2010	0.0	0.0	0.0	0.0	0.0	159.0 R	159.0 R	159.0 R
2011	0.0	0.0	0.0	0.0	0.0	161.6 R	161.6 R	161.6 R
2012	0.0	0.0	0.0	0.0	0.0	157.3 R	157.3 R	157.3 R
2013	0.0	0.0	0.0	0.0	0.0	161.7 R	161.7 R	161.7 R
2014	0.0	0.0	0.0	0.0	0.0	157.4 R	157.4 R	157.4 R
2015	0.0	0.0	0.0	0.0	0.0	161.4 R	161.4 R	161.4 R
2016	0.0	0.0	0.0	0.0	0.0	142.0 R	142.0 R	142.0 R
2017	0.0	0.0	0.0	0.0	0.0	152.7	152.7	152.7

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	18.9	4.2	0.0	0.0	NA	38.4	38.4	61.5
1961	19.2	3.7	0.0	0.0	NA	35.7	35.7	58.5
1962	20.8	2.5	0.0	0.0	NA	36.0	36.0	59.3
1963	29.4	1.7	0.0	0.0	NA	35.5	35.5	66.5
1964	28.8	1.4	0.0	0.0	NA	37.4	37.4	67.6
1965	30.6	0.4	0.0	0.0	NA	39.0	39.0	70.1
1966	30.9	0.7	0.0	0.0	NA	42.1	42.1	73.7
1967	33.0	0.6	0.0	0.0	NA	49.5	49.5	83.2
1968	36.6	0.9	0.0	0.0	NA	47.8	47.8	85.3
1969	34.6	1.0	0.0	0.0	NA	45.5	45.5	81.1
1970	40.9	0.8	0.0	0.0	NA	51.8	51.8	93.5
1971	41.6	0.2	0.0	0.0	NA	49.3	49.3	91.1
1972	41.5	0.2	0.0	0.0	NA	56.1	56.1	97.9
1973	40.5	0.3	0.0	0.0	NA	55.1	55.1	95.9
1974	51.3	0.1	0.0	0.0	NA	52.4	52.4	103.8
1975	59.1	0.1	0.0	48.3	NA	55.8	55.8	163.3
1976	65.5	0.1	0.0	70.9	NA	56.4	56.4	192.9
1977	70.3	0.1	0.0	117.2	NA	59.6	59.6	247.2
1978	69.8	0.1	0.0	108.3	NA	59.3	59.3	237.4
1979	62.3	(s)	0.0	105.2	NA	66.3	66.3	233.9
1980	89.5	0.1	0.0	119.4	NA	45.8	45.8	254.8
1981	107.3	0.1	0.0	127.1	0.0	45.4	45.4	279.8
1982	93.8	(s)	0.0	114.6	0.0	51.6	51.6	260.0
1983	79.1	(s)	0.0	127.3	0.0	52.1	52.1	258.6
1984	100.6	0.1	0.0	126.3	0.0	60.1	60.1	287.1
1985	74.7	(s)	0.0	105.4	0.0	55.1	55.1	235.3
1986	97.7	(s)	0.0	135.7	0.0	54.6	54.6	288.0
1987	99.1	(s)	0.0	105.1	0.0	47.8	47.8	252.0
1988	82.1	(s)	0.0	124.4	0.0	46.2	46.2	252.7
1989	84.5	(s)	0.0	28.8	0.0	55.5	55.5	168.8
1990	88.0	(s)	0.0	13.2	0.0	50.5	50.5	151.8
1991	95.4	(s)	0.0	94.7	0.0	41.7	41.7	231.9
1992	84.0	(s)	0.0	111.7	0.0	46.7	46.7	242.3
1993	84.7	(s)	0.0	129.2	0.0	49.3	49.3	263.2
1994	92.9	(s)	0.0	117.4	0.0	53.0	53.0	263.3
1995	94.1	(s)	0.0	135.9	0.0	51.8	51.8	281.9
1996	103.1	0.1	0.0	127.0	0.0	66.0	66.0	296.2
1997	103.6	0.1	0.0	138.7	0.0	52.9	52.9	295.3
1998	100.2	0.1	0.0	139.9	0.0	52.5	52.5	292.6
1999	94.4	(s)	0.0	139.1	0.0	50.7	50.7	284.2
2000	110.6	(s)	0.0	144.2	0.0	53.9	53.9	308.7
2001	111.7	(s)	0.0	142.6	0.0	33.2	33.2	287.6
2002	125.7	(s)	0.0	126.6	0.0	38.1	38.1	290.4
2003	124.6	(s)	0.0	142.7	0.0	54.1	54.1	321.5
2004	129.1	(s)	0.0	152.0	0.0	53.4	53.4	334.6
2005	126.7	(s)	0.0	153.4	0.0	43.6	43.6	323.8
2006	122.2	(s)	0.0	144.3	0.0	45.6	45.6	312.1
2007	53.8	(s)	0.0	150.6	0.0	40.8	40.8	245.2
2008	65.6	(s)	0.0	153.4	0.0	44.7	44.7	263.7
2009	53.4	(s)	0.0	152.2	0.0	48.4	48.4	254.1
2010	58.8	(s)	0.0	146.3	0.0	48.6 R	48.6 R	253.7 R
2011	65.9	(s)	0.0	150.7	0.0	57.7 R	57.7 R	274.2 R
2012	54.1	(s)	0.0	142.3	0.0	48.8 R	48.8 R	245.3 R
2013	45.3	(s)	0.0	149.0	0.0	53.5 R	53.5 R	247.9 R
2014	46.2	(s)	0.0	150.0	0.0	53.2 R	53.2 R	249.4 R
2015	45.6	(s)	0.0	153.1	0.0	47.6 R	47.6 R	246.4 R
2016	37.9	(s)	0.0	154.4	0.0	48.3 R	48.3 R	240.5 R
2017	42.8	(s)	0.0	158.0	0.0	55.4	55.4	256.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.4	NA	53.4	53.4	53.7
1961	0.0	0.0	0.0	9.9	NA	52.8	52.8	62.7
1962	0.0	0.0	0.0	8.0	NA	53.6	53.6	61.6
1963	0.0	0.0	0.0	11.2	NA	52.8	52.8	63.9
1964	0.0	0.0	0.0	14.2	NA	54.1	54.1	68.3
1965	0.0	0.0	0.0	11.4	NA	55.6	55.6	67.0
1966	0.0	0.0	0.0	12.6	NA	58.1	58.1	70.7
1967	0.0	0.0	0.0	14.7	NA	58.2	58.2	72.9
1968	0.0	0.0	0.0	13.8	NA	62.1	62.1	75.9
1969	0.0	0.0	0.0	12.6	NA	64.6	64.6	77.2
1970	0.0	0.0	0.0	13.3	NA	65.0	65.0	78.3
1971	0.0	0.0	0.0	15.6	NA	61.2	61.2	76.8
1972	0.0	0.0	0.0	16.2	NA	59.3	59.3	75.5
1973	0.0	0.0	0.0	55.8	NA	56.5	56.5	112.3
1974	0.0	0.0	0.0	32.2	NA	57.0	57.0	89.2
1975	0.0	0.0	0.0	41.6	NA	53.3	53.3	95.0
1976	0.0	0.0	0.0	40.5	NA	60.5	60.5	101.0
1977	0.0	0.0	0.0	39.6	NA	63.4	63.4	102.9
1978	0.0	0.0	0.0	60.9	NA	67.7	67.7	128.6
1979	0.0	0.0	0.0	66.1	NA	74.3	74.3	140.4
1980	0.0	0.0	0.0	35.3	NA	72.5	72.5	107.8
1981	0.0	0.0	0.0	47.8	0.0	73.2	73.2	120.9
1982	0.0	0.0	0.0	46.2	0.0	66.6	66.6	112.9
1983	0.0	0.0	0.0	66.1	0.0	78.6	78.6	144.7
1984	0.0	0.0	0.0	11.2	0.0	65.0	65.0	76.3
1985	0.0	0.0	0.0	65.1	0.0	65.5	65.5	130.6
1986	0.0	0.0	0.0	25.6	0.0	69.6	69.6	95.2
1987	0.0	0.0	0.0	11.9	0.0	60.3	60.3	72.1
1988	0.0	0.0	0.0	11.8	0.0	61.8	61.8	73.7
1989	0.0	0.0	0.0	31.9	0.0	66.8	66.8	98.7
1990	0.0	0.0	0.0	53.6	0.0	65.3	65.3	118.9
1991	0.0	0.0	0.0	46.3	0.0	66.6	66.6	112.9
1992	0.0	0.0	0.0	49.7	0.0	68.4	68.4	118.1
1993	0.0	0.0	0.0	45.6	0.0	69.7	69.7	115.3
1994	0.0	0.0	0.0	40.3	0.0	73.5	73.5	113.8
1995	0.0	0.0	0.0	47.1	0.0	72.5	72.5	119.7
1996	0.0	0.0	0.0	55.9	0.0	78.4	78.4	134.4
1997	0.0	0.0	0.0	45.2	0.0	72.3	72.3	117.5
1998	0.0	0.0	0.0	59.8	0.0	66.4	66.4	126.2
1999	0.0	0.0	0.0	47.2	0.0	65.2	65.2	112.4
2000	0.0	0.0	0.0	57.5	0.0	69.5	69.5	127.0
2001	0.0	0.0	0.0	53.7	0.0	48.0	48.0	101.7
2002	0.0	0.0	0.0	60.2	0.0	46.7	46.7	107.0
2003	0.0	0.0	0.0	51.9	0.0	50.3	50.3	102.2
2004	0.0	0.0	0.0	61.9	0.0	51.1	51.1	113.0
2005	0.0	0.0	0.0	57.1	0.0	40.8	40.8	97.9
2006	0.0	0.0	0.0	60.8	0.0	45.6	45.6	106.4
2007	0.0	0.0	0.0	53.7	0.0	38.2	38.2	91.9
2008	0.0	0.0	0.0	61.3	0.0	42.7	42.7	104.1
2009	0.0	0.0	0.0	56.4	0.0	49.3	49.3	105.8
2010	0.0	0.0	0.0	61.9	0.0	50.6 R	50.6 R	112.5 R
2011	0.0	0.0	0.0	53.2	0.0	53.1 R	53.1 R	106.3 R
2012	0.0	0.0	0.0	61.4	0.0	50.0 R	50.0 R	111.4 R
2013	0.0	0.0	0.0	45.3	0.0	57.0 R	57.0 R	102.3 R
2014	0.0	0.0	0.0	60.3	0.0	62.2 R	62.2 R	122.5 R
2015	0.0	0.0	0.0	52.2	0.0	62.8 R	62.8 R	115.0 R
2016	0.0	0.0	0.0	56.6	0.0	65.6 R	65.6 R	122.2 R
2017	0.0	0.0	0.0	52.8	0.0	72.4	72.4	125.2

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	20,790	15,899	NA
1961	0	27,697	18,901	NA
1962	0	28,987	17,114	NA
1963	0	32,850	15,972	NA
1964	0	31,558	15,601	NA
1965	0	34,558	14,728	NA
1966	0	34,120	14,273	NA
1967	0	33,589	13,664	NA
1968	0	40,480	12,974	NA
1969	0	36,163	12,213	NA
1970	0	38,851	11,693	NA
1971	0	25,662	11,893	NA
1972	0	34,221	12,990	NA
1973	0	44,579	14,614	NA
1974	0	69,133	18,021	NA
1975	0	102,113	24,420	NA
1976	0	119,262	30,421	NA
1977	0	129,954	32,965	NA
1978	0	148,047	34,667	NA
1979	0	159,731	34,862	NA
1980	0	158,302	33,808	NA
1981	0	152,593	32,665	0
1982	0	153,051	31,462	0
1983	0	138,910	31,736	0
1984	0	144,537	30,554	0
1985	0	131,855	27,300	0
1986	0	127,287	25,688	0
1987	0	146,996	25,972	0
1988	0	146,145	23,250	0
1989	0	155,988	21,568	0
1990	0	172,151	19,676	0
1991	0	195,749	17,520	0
1992	0	194,815	15,579	0
1993	0	204,635	13,799	0
1994	0	222,657	12,207	0
1995	0	238,203	11,383	0
1996	0	245,740	10,837	0
1997	0	305,950	10,053	0
1998	0	278,076	8,994	0
1999	0	277,364	7,836	0
2000	0	296,556	7,907	0
2001	0	275,036	7,375	0
2002	0	274,476	7,218	0
2003	0	236,987	6,468	1,030
2004	0	259,681	5,951	1,155
2005	0	261,112	5,734	1,111
2006	0	263,009	5,849	1,867
2007	0	264,907	5,726	4,420
2008	0	153,130	6,370 R	5,416
2009	0	153,736	6,258 R	5,114
2010	0	131,118	6,978 R	6,409
2011	0	138,162	7,038 R	6,543
2012	0	129,333	7,446 R	6,207
2013	0	123,622	7,097 R	6,521
2014	0	115,065	7,470 R	6,681
2015	0	107,664	6,652 R	6,570
2016	0	102,003 R	5,675 R	6,668
2017	0	97,000	5,319	8,269

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	23.1	92.2	0.0	NA	59.1	59.1	174.4
1961	0.0	30.8	109.6	0.0	NA	55.2	55.2	195.6
1962	0.0	32.2	99.3	0.0	NA	53.7	53.7	185.2
1963	0.0	36.5	92.6	1.5	NA	51.4	51.4	181.9
1964	0.0	35.0	90.5	2.3	NA	52.8	52.8	180.6
1965	0.0	38.4	85.4	2.1	NA	55.9	55.9	181.8
1966	0.0	37.9	82.8	4.0	NA	56.8	56.8	181.5
1967	0.0	37.3	79.3	5.8	NA	56.5	56.5	178.9
1968	0.0	45.0	75.2	4.8	NA	56.3	56.3	181.3
1969	0.0	40.2	70.8	4.4	NA	56.6	56.6	172.0
1970	0.0	43.1	67.8	4.1	NA	54.3	54.3	169.4
1971	0.0	29.5	69.0	4.2	NA	54.0	54.0	156.6
1972	0.0	38.0	75.3	22.9	NA	56.2	56.2	192.5
1973	0.0	47.6	84.8	32.5	NA	47.2	47.2	212.1
1974	0.0	72.8	104.5	4.6	NA	50.6	50.6	232.5
1975	0.0	107.9	141.6	79.0	NA	47.5	47.5	376.0
1976	0.0	130.9	176.4	109.4	NA	52.5	52.5	469.2
1977	0.0	149.1	191.2	110.2	NA	54.7	54.7	505.2
1978	0.0	171.2	201.1	143.4	NA	66.3	66.3	581.9
1979	0.0	187.1	202.2	164.7	NA	73.9	73.9	627.9
1980	0.0	189.2	196.1	173.3	NA	103.0	103.0	661.7
1981	0.0	180.7	189.5	188.2	0.0	108.2	108.2	666.6
1982	0.0	180.0	182.5	166.1	0.0	107.4	107.4	636.1 R
1983	0.0	163.5	184.1	178.7	0.0	117.8	117.8	644.0
1984	0.0	168.0	177.2	152.7	0.0	110.3	110.3	608.2
1985	0.0	152.6	158.3	142.9	0.0	110.6	110.6	564.5
1986	0.0	149.6	149.0	129.7	0.0	113.1	113.1	541.4
1987	0.0	168.5	150.6	150.3	0.0	112.1	112.1	581.4
1988	0.0	168.8	134.9	188.8	0.0	118.4	118.4	610.8
1989	0.0	178.5	125.1	225.5	0.0	111.8	111.8	641.0
1990	0.0	191.6	114.1	228.7	0.0	98.0	98.0	632.4
1991	0.0	214.8	101.6	283.3	0.0	105.4	105.4	705.1
1992	0.0	213.4	90.4	197.4	0.0	108.5	108.5	609.6
1993	0.0	221.7	80.0	299.6	0.0	100.5	100.5	701.9
1994	0.0	238.8	70.8	147.8	0.0	102.5	102.5	559.9
1995	0.0	253.7	66.0	256.9	0.0	105.7	105.7	682.3
1996	0.0	259.7 R	62.9	281.8	0.0	122.5	122.5	726.8 R
1997	0.0	320.9 R	58.3	230.0	0.0	113.7	113.7	722.9 R
1998	0.0	293.2 R	52.2	131.1	0.0	106.0	106.0	582.4 R
1999	0.0	292.1 R	45.4	152.5	0.0	107.9	107.9	597.9 R
2000	0.0	311.9 R	45.9	196.9	0.0	110.5	110.5	665.2 R
2001	0.0	288.4 R	42.8	278.9	0.0	94.2	94.2	704.2 R
2002	0.0	285.8 R	41.9	324.6	0.0	89.2	89.2	741.5 R
2003	0.0	249.0 R	37.5	291.3	6.2	97.1	103.3	681.1 R
2004	0.0	271.8 R	34.5	318.7	6.9	101.9	108.8	733.8 R
2005	0.0	270.3 R	33.3	343.0	6.6	110.3	116.8	763.4 R
2006	0.0	271.9 R	33.9	303.3	11.0	106.1	117.1	726.3 R
2007	0.0	274.6 R	33.2	330.6	25.8	106.3	132.1	770.5 R
2008	0.0	161.8 R	36.9	329.1	31.4	113.6	145.0	672.9 R
2009	0.0	160.1 R	36.3	228.5	29.5	101.6	131.1	556.1 R
2010	0.0	137.2 R	40.5	309.6	36.9	110.5 R	147.4 R	634.7 R
2011	0.0	143.5 R	40.8	344.2	37.6	124.3 R	161.9 R	690.4 R
2012	0.0	135.1 R	43.2	293.6	35.5	125.8 R	161.3 R	633.2 R
2013	0.0	129.8 R	41.2 R	302.2	37.2	150.5 R	187.7 R	660.8 R
2014	0.0	120.2	43.3 R	326.8	38.0	163.9 R	201.9 R	692.2
2015	0.0	114.1	38.0 R	306.8	37.2	184.2 R	221.4 R	680.3 R
2016	0.0	108.5 R	32.5 R	330.0	37.7	176.7 R	214.3 R	685.3 R
2017	0.0	103.2	30.4	338.7	46.6	182.6	229.2	701.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA
1961	0	0	0	NA
1962	0	0	0	NA
1963	0	0	0	NA
1964	0	0	0	NA
1965	0	0	0	NA
1966	0	0	0	NA
1967	0	0	0	NA
1968	0	0	0	NA
1969	0	0	0	NA
1970	0	0	0	NA
1971	0	0	0	NA
1972	0	0	0	NA
1973	0	0	0	NA
1974	0	0	0	NA
1975	0	0	0	NA
1976	0	0	0	NA
1977	0	0	0	NA
1978	0	0	0	NA
1979	0	0	0	NA
1980	0	0	0	NA
1981	0	0	0	0
1982	0	0	0	0
1983	0	0	0	0
1984	0	0	0	0
1985	0	0	0	0
1986	0	0	0	62
1987	0	0	0	62
1988	0	0	0	62
1989	0	0	0	262
1990	0	0	0	262
1991	0	0	0	405
1992	0	0	0	833
1993	0	0	0	905
1994	0	0	0	976
1995	0	0	0	1,214
1996	0	0	0	1,643
1997	0	0	0	2,667
1998	0	0	0	2,952
1999	0	0	0	4,524
2000	0	0	0	5,238
2001	0	0	0	6,000
2002	0	0	0	7,143
2003	0	0	0	8,548
2004	0	0	0	9,524
2005	0	0	0	10,000
2006	0	0	0	13,095
2007	0	0	0	14,119
2008	0	0	0	17,133
2009	0	0	0	22,651
2010	0	0	0	27,644
2011	0	0	0	27,536
2012	0	0	0	25,233
2013	0	0	0	24,756
2014	0	0	0	27,891
2015	0	0	0	27,774
2016	0	0	0	28,562
2017	0	0	0	28,497

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	35.0	35.0	35.0
1961	0.0	0.0	0.0	0.0	NA	32.5	32.5	32.5
1962	0.0	0.0	0.0	0.0	NA	34.4	34.4	34.4
1963	0.0	0.0	0.0	(s)	NA	32.3	32.3	32.3
1964	0.0	0.0	0.0	0.7	NA	33.2	33.2	33.9
1965	0.0	0.0	0.0	1.7	NA	34.8	34.8	36.5
1966	0.0	0.0	0.0	1.5	NA	35.0	35.0	36.5
1967	0.0	0.0	0.0	1.6	NA	32.4	32.4	34.0
1968	0.0	0.0	0.0	0.2	NA	33.8	33.8	34.0
1969	0.0	0.0	0.0	0.0	NA	34.2	34.2	34.2
1970	0.0	0.0	0.0	0.0	NA	32.8	32.8	32.8
1971	0.0	0.0	0.0	15.1	NA	33.8	33.8	48.9
1972	0.0	0.0	0.0	38.4	NA	35.7	35.7	74.1
1973	0.0	0.0	0.0	35.7	NA	36.5	36.5	72.1
1974	0.0	0.0	0.0	48.7	NA	35.9	35.9	84.6
1975	0.0	0.0	0.0	107.4	NA	36.9	36.9	144.3
1976	0.0	0.0	0.0	109.5	NA	35.6	35.6	145.1
1977	0.0	0.0	0.0	120.2	NA	36.7	36.7	156.9
1978	0.0	0.0	0.0	126.8	NA	50.2	50.2	177.1
1979	0.0	0.0	0.0	125.1	NA	53.9	53.9	179.1
1980	0.0	0.0	0.0	109.4	NA	54.8	54.8	164.2
1981	0.0	0.0	0.0	112.4	0.0	56.6	56.6	169.0
1982	0.0	0.0	0.0	112.9	0.0	58.9	58.9	171.8
1983	0.0	0.0	0.0	128.2	0.0	62.7	62.7	190.8
1984	0.0	0.0	0.0	90.3	0.0	66.0	66.0	156.3
1985	0.0	0.0	0.0	122.9	0.0	66.5	66.5	189.4
1986	0.0	0.0	0.0	116.9	0.4	63.4	63.8	180.8
1987	0.0	0.0	0.0	120.6	0.4	58.5	58.9	179.6
1988	0.0	0.0	0.0	130.3	0.4	59.8	60.2	190.5
1989	0.0	0.0	0.0	115.6	1.6	61.9	63.5	179.2
1990	0.0	0.0	0.0	128.5	1.6	58.2	59.9	188.3
1991	0.0	0.0	0.0	126.4	2.5	60.7	63.2	189.7
1992	0.0	0.0	0.0	116.9	5.2	64.4	69.5	186.4
1993	0.0	0.0	0.0	125.9	5.6	64.5	70.1	196.0
1994	0.0	0.0	0.0	127.8	6.0	66.1	72.1	199.9
1995	0.0	0.0	0.0	139.1	7.4	68.7	76.1	215.2
1996	0.0	0.0	0.0	127.0	10.0	70.5	80.5	207.5
1997	0.0	0.0	0.0	113.5	16.2	67.3	83.5	197.0
1998	0.0	0.0	0.0	122.2	17.9	62.6	80.5	202.7
1999	0.0	0.0	0.0	139.1	27.3	68.1	95.4	234.6
2000	0.0	0.0	0.0	135.2	31.6	71.8	103.4	238.6
2001	0.0	0.0	0.0	123.1	36.2	72.8	109.0	232.1
2002	0.0	0.0	0.0	142.9	43.0	64.2	107.2	250.1
2003	0.0	0.0	0.0	139.8	51.1	62.6	113.8	253.6
2004	0.0	0.0	0.0	138.6	56.6	68.8	125.5	264.1
2005	0.0	0.0	0.0	133.9	59.1	81.3	140.4	274.3
2006	0.0	0.0	0.0	137.6	76.9	80.2	157.2	294.7
2007	0.0	0.0	0.0	137.4	82.5	96.8	179.2	316.7
2008	0.0	0.0	0.0	135.8	99.4	115.7	215.1	350.9
2009	0.0	0.0	0.0	129.6	130.7	127.8	258.6	388.2
2010	0.0	0.0	0.0	140.9	159.2	135.6 R	294.9 R	435.7 R
2011	0.0	0.0	0.0	125.1	158.1	148.2 R	306.3 R	431.4 R
2012	0.0	0.0	0.0	125.2	144.4	157.8 R	302.2 R	427.4 R
2013	0.0	0.0	0.0	111.9	141.2	158.1 R	299.3 R	411.2 R
2014	0.0	0.0	0.0	132.9	158.6	179.6 R	338.2 R	471.1 R
2015	0.0	0.0	0.0	125.9	157.4	180.0 R	337.4 R	463.3 R
2016	0.0	0.0	0.0	145.0	161.3	182.7 R	343.9 R	488.9 R
2017	0.0	0.0	0.0	145.4	160.6	199.2	359.8	505.2

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	172,478	51,673	NA
1961	0	172,543	54,688	NA
1962	0	170,271	55,713	NA
1963	0	176,807	58,619	NA
1964	0	181,414	56,777	NA
1965	0	166,825	56,183	NA
1966	0	156,652	55,227	NA
1967	0	139,497	57,147	NA
1968	0	135,051	58,708	NA
1969	0	131,234	64,283	NA
1970	0	126,031	65,119	NA
1971	0	118,805	64,066	NA
1972	0	103,989	61,100	NA
1973	0	99,706	56,102	NA
1974	0	78,787	50,779	NA
1975	0	74,345	46,614	NA
1976	0	70,762	46,072	NA
1977	0	82,995	43,022	NA
1978	0	106,579	42,024	NA
1979	0	144,077	37,327	NA
1980	0	175,061	35,945	NA
1981	0	181,238	34,204	0
1982	0	167,231	33,047	0
1983	0	151,204	31,455	0
1984	0	157,911	32,776	0
1985	0	144,172	30,641	0
1986	0	140,833	29,997	0
1987	0	139,727	28,103	0
1988	0	124,053	27,553	0
1989	0	102,645	27,403	0
1990	0	94,616	27,034	0
1991	0	108,031	27,055	0
1992	0	91,697	25,182	0
1993	0	80,695	22,613	0
1994	0	63,448	20,124	0
1995	0	95,533	19,910	0
1996	0	103,263	19,509	0
1997	0	107,300	21,037	0
1998	0	108,068	22,031	0
1999	18	111,021	17,951	0
2000	902	88,558	19,844	0
2001	604	107,541	19,528	0
2002	2,305	112,980	19,371	0
2003	3,695	133,901	19,301	0
2004	3,586	63,353	19,242	0
2005	3,555	52,923	17,695	0
2006	3,797	60,531	17,356	0
2007	3,545	73,460	20,672	0
2008	2,842	96,641	22,104	106
2009	3,440	88,157	23,232	1,285
2010	4,004	73,721	24,080	1,348
2011	2,747	81,487	24,246	1,321
2012	2,953	63,843	24,593	1,042
2013	3,575	59,272	24,345	0
2014	3,737	54,446	24,346	0
2015	3,143	58,181	24,918	767
2016	2,870	48,504 R	20,385	1,313
2017	2,604	38,435	17,781	1,306

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	179.7 R	299.7	0.0	NA	46.6	46.6	525.9 R
1961	0.0	179.7 R	317.2	0.0	NA	45.5	45.5	542.5 R
1962	0.0	177.4 R	323.1	0.0	NA	44.7	44.7	545.2 R
1963	0.0	184.2 R	340.0	0.0	NA	39.2	39.2	563.3 R
1964	0.0	189.0 R	329.3	0.0	NA	38.4	38.4	556.7 R
1965	0.0	173.8 R	325.9	0.0	NA	37.8	37.8	537.4 R
1966	0.0	163.2 R	320.3	0.0	NA	37.8	37.8	521.3 R
1967	0.0	145.3 R	331.5	0.0	NA	34.3	34.3	511.0 R
1968	0.0	140.7 R	340.5	0.0	NA	35.5	35.5	516.6 R
1969	0.0	136.7 R	372.8	0.0	NA	34.6	34.6	544.2
1970	0.0	131.3 R	377.7	0.0	NA	33.5	33.5	542.5 R
1971	0.0	123.9 R	371.6	0.0	NA	32.8	32.8	528.3 R
1972	0.0	108.4 R	354.4	0.0	NA	32.4	32.4	495.3
1973	0.0	103.6	325.4	0.0	NA	32.2	32.2	461.2
1974	0.0	81.9	294.5	0.0	NA	31.3	31.3	407.7
1975	0.0	76.9 R	270.4	0.0	NA	31.2	31.2	378.5
1976	0.0	73.2	267.2	0.0	NA	34.8	34.8	375.2 R
1977	0.0	85.6 R	249.5	0.0	NA	36.2	36.2	371.4
1978	0.0	109.6	243.7	0.0	NA	37.6	37.6	390.9
1979	0.0	149.5 R	216.5	0.0	NA	37.5	37.5	403.5 R
1980	0.0	181.0	208.5	0.0	NA	38.1	38.1	427.5 R
1981	0.0	187.3	198.4	0.0	0.0	41.1	41.1	426.7 R
1982	0.0	173.4	191.7	0.0	0.0	44.6	44.6	409.7
1983	0.0	156.3 R	182.4	0.0	0.0	45.1	45.1	383.8 R
1984	0.0	163.6 R	190.1	1.8	0.0	50.5	50.5	406.0
1985	0.0	149.0	177.7	46.0	0.0	50.9	50.9	423.6
1986	0.0	145.1	174.0	43.2	0.0	49.2	49.2	411.5
1987	0.0	143.0	163.0	80.6	0.0	45.4	45.4	432.0
1988	0.0	127.5 R	159.8	101.6	0.0	47.4	47.4	436.3 R
1989	0.0	106.3 R	158.9	82.8	0.0	76.4	76.4	424.5
1990	0.0	98.5	156.8	78.5	0.0	84.9	84.9	418.7
1991	0.0	112.0	156.9	95.8	0.0	89.5	89.5	454.2
1992	0.0	96.7	146.1	85.6	0.0	90.8	90.8	419.1 R
1993	0.0	83.2	131.2	83.0	0.0	92.4	92.4	389.8
1994	0.0	66.2	116.7	100.5	0.0	94.9	94.9	378.3
1995	0.0	98.6	115.5	84.2	0.0	94.2	94.2	392.5
1996	0.0	106.9	113.2	96.9	0.0	85.7	85.7	402.7
1997	0.0	111.4	122.0	113.5	0.0	84.3	84.3	431.2
1998	0.0	113.8	127.8	96.4	0.0	64.2	64.2	402.2
1999	0.2	123.3 R	104.1	88.1	0.0	65.1	65.1	380.8 R
2000	10.2	108.8 R	115.1	111.5	0.0	75.4	75.4	421.0 R
2001	6.8	135.4 R	113.3	103.6	0.0	56.1	56.1	415.2 R
2002	26.0	143.1 R	112.4	105.0	0.0	49.6	49.6	436.1 R
2003	37.6	157.4 R	111.9	113.6	0.0	45.3	45.3	465.9 R
2004	36.6	87.2 R	111.6	106.7	0.0	61.3	61.3	403.4 R
2005	36.2	77.6 R	102.6	105.2	0.0	62.7	62.7	384.3 R
2006	38.8	84.5 R	100.7	108.7	0.0	63.1	63.1	395.8 R
2007	36.2	95.3 R	119.9	98.2	0.0	63.6	63.6	413.1 R
2008	28.8	114.9 R	128.2	98.2	0.6	46.8	47.4	417.5 R
2009	35.1	116.5 R	134.7	115.0	7.4	46.2	53.7	455.1 R
2010	41.6	103.0 R	139.7	100.8	7.8	57.4 R	65.1 R	450.2 R
2011	28.8	99.6 R	140.6	108.2	7.6	58.2 R	65.8 R	443.0
2012	30.5	65.3 R	142.6	76.5	6.0	71.0 R	77.0 R	392.0 R
2013	37.2	60.9	141.2	113.5	0.0	59.6 R	59.6 R	412.4 R
2014	39.1	56.7	141.2	107.2	0.0	60.8 R	60.8 R	405.0 R
2015	34.5	60.5	142.5	122.5	4.3	54.5 R	58.9 R	418.8 R
2016	32.3	50.4	116.6	61.7	7.4	63.4 R	70.8 R	331.9 R
2017	32.0	39.7	101.8	77.0	7.4	59.7	67.0	317.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	2,890	75	75	NA
1961	2,938	90	72	NA
1962	2,896	92	55	NA
1963	3,175	100	53	NA
1964	3,253	108	65	NA
1965	3,564	84	73	NA
1966	3,582	0	97	NA
1967	3,696	121	75	NA
1968	3,205	14	65	NA
1969	3,301	126	67	NA
1970	4,447	87	66	NA
1971	4,036	22	66	NA
1972	4,551	9	60	NA
1973	4,658	33	60	NA
1974	4,623	33	56	NA
1975	5,638	30	57	NA
1976	6,075	29	61	NA
1977	6,366	20	60	NA
1978	5,665	0	54	NA
1979	6,450	0	91	NA
1980	5,503	0	130	NA
1981	4,888	0	226	0
1982	5,341	0	202	0
1983	4,982	0	269	0
1984	6,733	4	285	0
1985	5,571	4	243	0
1986	4,687	4	110	0
1987	4,292	4	110	0
1988	4,169	4	156	0
1989	3,378	4	133	0
1990	2,647	7	146	0
1991	2,304	15	149	0
1992	2,886	27	143	0
1993	653	14	135	0
1994	838	8	123	0
1995	548	16	120	0
1996	710	25	115	0
1997	401	5	114	0
1998	372	0	93	0
1999	392	0	92	0
2000	436	0	94	231
2001	366	0	91	581
2002	248	0	95	778
2003	533	0	87	1,288
2004	578	0	88	1,386
2005	598	0	86	2,277
2006	394	0	87	2,801
2007	236	0	80	3,845
2008	247	0	99	5,320
2009	452	0	106	6,209
2010	458	0	146	6,517
2011	465	0	118	6,261
2012	422	0	175	5,890
2013	414	9	199	6,043
2014	363	3	196	6,378
2015	138	1	149	6,230
2016	234	1	123	6,226
2017	244	1	113	6,189

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	61.0	0.1	0.4	0.0	NA	41.4	41.4	103.0
1961	62.0	0.1	0.4	0.0	NA	45.1	45.1	107.6
1962	61.2	0.1	0.3	0.0	NA	40.2	40.2	101.8
1963	67.0	0.1	0.3	0.0	NA	33.3	33.3	100.8
1964	68.7	0.1	0.4	0.0	NA	31.2	31.2	100.4
1965	75.3	0.1	0.4	0.0	NA	35.4	35.4	111.2
1966	75.6	0.0	0.6	0.0	NA	33.0	33.0	109.2
1967	78.0	0.1	0.4	0.0	NA	31.6	31.6	110.2
1968	67.7	(s)	0.4	0.0	NA	39.1	39.1	107.2
1969	69.7	0.1	0.4	0.0	NA	39.6	39.6	109.8
1970	93.9	0.1	0.4	0.0	NA	33.3	33.3	127.7
1971	85.2	(s)	0.4	0.0	NA	30.4	30.4	116.0
1972	96.1	(s)	0.3	0.0	NA	29.4	29.4	125.8
1973	90.6	(s)	0.3	0.0	NA	43.8	43.8	134.8
1974	89.4	(s)	0.3	0.0	NA	44.0	44.0	133.8
1975	107.2	(s)	0.3	0.0	NA	40.4	40.4	148.0
1976	116.5	(s)	0.4	0.0	NA	39.5	39.5	156.5
1977	124.9	(s)	0.3	0.0	NA	38.0	38.0	163.2
1978	111.5	0.0	0.3	0.0	NA	49.7	49.7	161.4
1979	127.4	0.0	0.5	0.0	NA	55.9	55.9	183.8
1980	108.7	0.0	0.8	0.0	NA	30.9	30.9	140.3
1981	98.8	0.0	1.3	0.0	0.0	30.5	30.5	130.7
1982	109.5	0.0	1.2	0.0	0.0	43.9	43.9	154.5
1983	101.7	0.0	1.6	0.0	0.0	44.0	44.0	147.3
1984	137.9	(s)	1.7	10.0	0.0	47.0	47.0	196.6
1985	113.9	(s)	1.4	85.3	0.0	62.4	62.4	263.0
1986	96.7	(s)	0.6	75.9	0.0	49.3	49.3	222.5
1987	88.6	(s)	0.6	65.6	0.0	40.8	40.8	195.6
1988	88.0	(s)	0.9	94.7	0.0	43.1	43.1	226.7
1989	70.8	(s)	0.8	88.3	0.0	36.3	36.3	196.2
1990	56.0	(s)	0.8	84.6	0.0	41.0	41.0	182.4
1991	48.5	(s)	0.9	104.6	0.0	30.5	30.5	184.5
1992	61.1	(s)	0.8	84.6	0.0	34.8	34.8	181.3
1993	14.1	(s)	0.8	88.0	0.0	50.0	50.0	153.0
1994	19.0	(s)	0.7	104.6	0.0	35.9	35.9	160.2
1995	12.5	(s)	0.7	86.6	0.0	36.3	36.3	136.1
1996	15.7	(s)	0.7	93.4	0.0	30.8	30.8	140.5
1997	8.8	(s)	0.7	94.0	0.0	30.8	30.8	134.1
1998	8.3	0.0	0.5	89.3	0.0	37.4	37.4	135.5
1999	8.6	0.0	0.5	89.7	0.0	32.5	32.5	131.4
2000	9.5	0.0	0.5	104.2	1.4	20.3	21.7	135.9
2001	8.0	0.0	0.5	87.6	3.5	29.4	32.9	129.0
2002	5.3	0.0	0.6	87.6	4.7	30.5	35.2	128.7
2003	11.4	0.0	0.5	101.1	7.7	23.9	31.6	144.6
2004	12.4	0.0	0.5	81.7	8.2	32.6	40.8	135.4
2005	13.0	0.0	0.5	83.8	13.5	38.9	52.4	149.6
2006	8.5	0.0	0.5	105.6	16.5	26.0	42.5	157.1
2007	5.3	0.0	0.5	98.3	22.5	38.1	60.6	164.6
2008	5.4	0.0	0.6	98.0	30.9	50.8	81.7	185.7
2009	9.6	0.0	0.6	107.2	35.8	57.8	93.7	211.1
2010	9.8	0.0	0.8	94.0	37.5	63.0 R	100.5 R	205.2 R
2011	10.1	0.0	0.7	98.1	36.0	57.0 R	92.9 R	201.7 R
2012	9.2	0.0	1.0	112.3	33.7	47.9 R	81.6 R	204.1 R
2013	9.1	(s)	1.2	87.4	34.5	59.1 R	93.6 R	191.3 R
2014	8.2	(s)	1.1	97.0	36.3	56.4 R	92.7 R	199.1 R
2015	3.2	(s)	0.9	109.2	35.3	50.9 R	86.2 R	199.4 R
2016	5.1	(s)	0.7	98.6	35.2	47.1 R	82.2 R	186.7 R
2017	5.3	(s)	0.6	86.9	34.9	55.8	90.7	183.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	313	33,418	30,240	NA
1961	371	33,901	30,906	NA
1962	382	29,955	31,648	NA
1963	343	30,026	30,870	NA
1964	346	25,188	30,647	NA
1965	364	28,105	32,778	NA
1966	419	30,685	35,380	NA
1967	371	25,866	34,959	NA
1968	519	19,313	48,460	NA
1969	1,030	41,229	43,954	NA
1970	3,447	42,705	37,879	NA
1971	7,064	32,720	34,599	NA
1972	8,221	33,474	33,904	NA
1973	10,725	56,175	34,620	NA
1974	14,106	54,873	34,554	NA
1975	22,054	40,734	32,844	NA
1976	26,231	42,563	32,814	NA
1977	27,226	46,819	32,680	NA
1978	26,600	46,522	30,467	NA
1979	32,676	53,888	29,957	NA
1980	29,872	51,867	29,584	NA
1981	33,561	56,565	30,813	5
1982	27,890	56,517	30,921	16
1983	28,930	51,967	29,225	31
1984	33,000	51,474	29,761	37
1985	33,290	52,494	29,768	40
1986	33,978	46,592	27,072	42
1987	34,399	46,456	25,059	46
1988	38,881	51,654	23,338	47
1989	37,742	51,307	20,956	44
1990	37,616	50,429	19,810	37
1991	38,237	51,999	19,579	43
1992	38,889	53,867	18,482	39
1993	35,917	54,528	17,448	0
1994	41,640	50,416	16,528	41
1995	39,451	50,264	16,530	34
1996	37,891	50,996	15,919	12
1997	41,005	52,437	15,526	19
1998	42,840	57,645	16,483	19
1999	41,102	61,163	14,937	14
2000	38,352	69,936	15,428	13
2001	39,143	81,397	15,920	11
2002	37,386	86,075	16,990	10
2003	36,994	86,027	19,420	6
2004	39,989	96,762	24,718	0
2005	40,354	107,918	32,787	0
2006	41,823	112,845	36,294	0
2007	43,390	116,848	34,907	0
2008	44,786	112,529	31,596	0
2009	39,486	98,245	27,835	0
2010	44,732	87,539	25,332	0
2011	42,008	74,624	24,155	0
2012	36,694	66,954	26,494	0
2013	42,231	63,242	29,288 R	0
2014	44,562	59,160	29,897	0
2015	41,864	51,356	28,557	0
2016	32,336	47,921 R	23,178 R	0
2017	35,232	46,090	20,706	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	5.6	38.7	175.4	0.0	NA	69.9	69.9	289.7
1961	6.6	39.3	179.3	0.0	NA	76.6	76.6	301.7
1962	6.8	34.7	183.6	0.0	NA	74.9	74.9	300.0
1963	6.1	34.8	179.0	0.0	NA	70.4	70.4	290.4
1964	6.2	29.2	177.8	0.0	NA	79.4	79.4	292.5
1965	6.5	32.6	190.1	0.0	NA	95.5	95.5	324.7
1966	7.5	35.6 R	205.2	0.0	NA	90.3	90.3	338.6
1967	6.6	30.0	202.8	0.0	NA	98.2	98.2	337.5
1968	9.3	22.4	281.1	0.0	NA	100.7	100.7	413.4
1969	18.4	47.8	254.9	0.0	NA	106.1	106.1	427.3 R
1970	61.5	49.5	219.7	0.0	NA	98.4	98.4	429.1
1971	126.1	35.2	200.7	0.0	NA	107.3	107.3	469.2
1972	146.7	36.2	196.6	0.0	NA	104.3	104.3	483.9
1973	192.0	59.7	200.8	0.0	NA	84.6	84.6	537.1
1974	256.1	57.7	200.4	0.0	NA	106.6	106.6	620.8
1975	397.1	43.1	190.5	0.0	NA	112.0	112.0	742.7
1976	471.4	44.5	190.3	0.0	NA	135.8	135.8	842.1
1977	487.9	48.4 R	189.5	0.0	NA	97.3	97.3	823.1
1978	476.4	47.4	176.7	0.0	NA	132.2	132.2	832.7
1979	585.8	55.0	173.8	0.0	NA	119.4	119.4	934.0
1980	535.6	54.5	171.6	0.0	NA	114.6	114.6	876.2
1981	605.8	59.0	178.7	0.0	(s)	131.0	131.0	974.5
1982	499.8	59.1 R	179.3	0.0	0.1	126.6	126.7	864.9 R
1983	524.3	54.5	169.5	0.0	0.2	135.5	135.7	883.9
1984	591.9	53.8	172.6	0.0	0.2	130.3	130.5	948.8
1985	597.8	54.8	172.7	0.0	0.3	120.7	120.9	946.3
1986	610.0	48.6	157.0	0.0	0.3	133.6	133.9	949.5
1987	617.6	49.3	145.3	0.0	0.3	110.9	111.2	923.4
1988	694.0	54.8 R	135.4	0.0	0.3	103.6	103.9	988.1
1989	677.8	54.2 R	121.5	0.0	0.3	110.7	110.9	964.5
1990	678.3	53.8	114.9	0.0	0.2	123.3	123.5	970.5
1991	688.5	55.3 R	113.6	0.0	0.3	142.1	142.4	999.7 R
1992	704.0	56.7	107.2	0.0	0.2	95.7	95.9	963.8
1993	649.3	56.8	101.2	0.0	0.0	109.0	109.0	916.2 R
1994	752.6	52.7	95.9	0.0	0.2	94.3	94.5	995.6
1995	713.0	52.8	95.9	0.0	0.2	127.3	127.6	989.2
1996	689.2	53.4 R	92.3	0.0	0.1	158.5	158.6	993.5
1997	740.1	54.7	90.1	0.0	0.1	153.2	153.3	1,038.1 R
1998	773.0	59.8	95.6	0.0	0.1	128.2	128.3	1,056.7 R
1999	741.9	63.3	86.6	0.0	0.1	156.9	157.0	1,048.9
2000	696.9	72.0	89.5	0.0	0.1	113.7	113.8	972.2
2001	708.2	83.9 R	92.3	0.0	0.1	80.5	80.6	965.0
2002	676.1	88.8	98.5	0.0	0.1	108.6	108.6	972.0 R
2003	665.9	89.0	112.6	0.0	(s)	100.3	100.4	967.9
2004	721.6	100.3	143.4	0.0	0.0	101.5	101.5	1,066.7
2005	726.8	114.0 R	190.2	0.0	0.0	114.0	114.0	1,145.0 R
2006	755.0	116.9 R	210.5	0.0	0.0	122.2	122.2	1,204.6 R
2007	778.1	121.2 R	202.5	0.0	0.0	117.8	117.8	1,219.5 R
2008	794.2	116.7 R	183.3	0.0	0.0	123.1	123.1	1,217.3 R
2009	703.7	101.9 R	161.4	0.0	0.0	113.8	113.8	1,080.9 R
2010	797.0	90.6 R	146.9	0.0	0.0	114.8 R	114.8 R	1,149.4 R
2011	746.7	77.7 R	140.1	0.0	0.0	140.4 R	140.4 R	1,104.8 R
2012	660.1	70.8 R	153.7	0.0	0.0	124.4 R	124.4 R	1,009.0
2013	753.2	67.9 R	169.9	0.0	0.0	114.5 R	114.5 R	1,105.5 R
2014	790.7	63.2 R	173.4	0.0	0.0	134.1 R	134.1 R	1,161.4 R
2015	746.2	55.9 R	163.3	0.0	0.0	125.0 R	125.0 R	1,090.4 R
2016	572.8	52.1 R	132.6 R	0.0	0.0	128.2 R	128.2 R	885.7 R
2017	624.8	50.6	118.5	0.0	0.0	136.0	136.0	929.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	15,258	23,825	NA
1961	0	15,743	24,369	NA
1962	0	14,880	24,894	NA
1963	0	13,051	21,846	NA
1964	0	11,155	19,113	NA
1965	0	10,720	17,216	NA
1966	0	10,196	13,850	NA
1967	0	8,453	13,373	NA
1968	0	8,129	13,183	NA
1969	0	6,989	12,106	NA
1970	0	5,991	11,451	NA
1971	0	3,496	10,062	NA
1972	0	3,478	8,705	NA
1973	0	3,836	7,240	NA
1974	0	2,538	6,611	NA
1975	0	2,565	6,120	NA
1976	0	2,511	6,182	NA
1977	0	2,789	5,968	NA
1978	0	2,882	5,862	NA
1979	0	3,208	6,068	NA
1980	0	2,550	6,240	NA
1981	0	2,519	6,671	0
1982	0	2,280	6,872	0
1983	0	2,091	6,380	0
1984	0	2,300	6,452	0
1985	0	1,944	6,943	202
1986	0	1,403	7,098	250
1987	0	1,261	6,091	276
1988	0	910	5,978	280
1989	0	878	6,230	287
1990	0	793	5,889	304
1991	0	784	5,832	311
1992	0	1,177	5,474	549
1993	0	2,114	4,868	1,229
1994	0	2,898	4,216	1,880
1995	0	2,240	3,793	4,551
1996	0	1,876	3,541	4,718
1997	0	1,670	3,337	6,376
1998	0	1,695	3,174	6,822
1999	0	1,395	2,663	7,268
2000	0	1,218	2,957	7,647
2001	0	1,208	2,922	8,377
2002	0	1,188	2,782	8,395
2003	0	1,454	2,753	9,107
2004	0	1,476	2,506	12,263
2005	0	1,172	2,408	12,929
2006	0	1,200	2,313	14,381
2007	0	1,555	2,335	19,905
2008	0	3,082	2,394	28,081
2009	0	2,908	2,239	28,038
2010	0	2,231	2,331	42,147
2011	0	1,959	2,544	47,120
2012	0	1,328	3,025	43,452
2013	0	1,032	2,808	43,436
2014	0	417	3,050	43,166
2015	0	477	2,910 R	45,923
2016	0	526 R	2,288 R	48,651
2017	0	455	2,125	52,081

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	17.7 R	138.2	0.0	NA	13.4	13.4	169.3 R
1961	0.0	18.3 R	141.3	0.0	NA	12.8	12.8	172.5
1962	0.0	17.3 R	144.4	0.0	NA	13.0	13.0	174.6 R
1963	0.0	15.2	126.7	0.9	NA	13.2	13.2	156.0
1964	0.0	13.0	110.9	1.1	NA	12.8	12.8	137.7 R
1965	0.0	12.5	99.9	(s)	NA	13.6	13.6	125.8 R
1966	0.0	11.8 R	80.3	0.0	NA	14.0	14.0	106.1 R
1967	0.0	9.8 R	77.6	0.0	NA	13.9	13.9	101.3
1968	0.0	9.4 R	76.5	0.0	NA	14.7	14.7	100.6 R
1969	0.0	8.1 R	70.2	0.0	NA	14.5	14.5	92.9
1970	0.0	7.0	66.4	0.0	NA	16.0	16.0	89.3 R
1971	0.0	4.6	58.4	0.0	NA	15.8	15.8	78.8
1972	0.0	4.5	50.5	0.0	NA	16.8	16.8	71.8
1973	0.0	4.7	42.0	6.5	NA	16.9	16.9	70.1
1974	0.0	3.3 R	38.3	44.6	NA	16.2	16.2	102.4 R
1975	0.0	3.1	35.5	65.2	NA	15.4	15.4	119.1
1976	0.0	2.9	35.9	64.3	NA	16.4	16.4	119.5
1977	0.0	3.2	34.6	80.2	NA	16.1	16.1	134.2
1978	0.0	3.1 R	34.0	84.5	NA	16.1	16.1	137.8
1979	0.0	3.4	35.2	94.2	NA	16.8	16.8	149.7
1980	0.0	2.7	36.2	63.1	NA	19.8	19.8	121.8
1981	0.0	2.7 R	38.7	66.0	0.0	17.8	17.8	125.3
1982	0.0	2.5	39.9	96.9	0.0	19.0	19.0	158.2 R
1983	0.0	2.3	37.0	66.3	0.0	20.0	20.0	125.6 R
1984	0.0	2.5	37.4	62.7	0.0	21.2	21.2	123.8
1985	0.0	2.1	40.3	43.9	1.3	22.5	23.8	110.0
1986	0.0	1.5	41.2	81.0	1.6	24.3	25.9	149.6
1987	0.0	1.4	35.3	89.7	1.7	22.0	23.7	150.1
1988	0.0	1.0	34.7	72.4	1.8	20.0	21.8	129.8
1989	0.0	0.9	36.1	85.5	1.8	18.6	20.3	142.9
1990	0.0	0.8	34.2	79.5	1.9	16.4	18.3	132.7
1991	0.0	0.8	33.8	84.4	1.9	15.7	17.6	136.6
1992	0.0	1.2	31.7	91.6	3.4	16.2	19.6	144.1
1993	0.0	2.1	28.2	71.5	7.6	14.7	22.3	124.1
1994	0.0	2.9	24.5	66.3	11.5	17.8	29.3	123.0
1995	0.0	2.2	22.0	78.7	27.8	19.1	46.9	149.8
1996	0.0	1.9	20.5	99.3	28.8	24.6	53.3	175.1
1997	0.0	1.7	19.4	97.3	38.7	23.7	62.4	180.7
1998	0.0	1.7	18.4	86.6	41.3	23.3	64.6	171.3
1999	0.0	1.4	15.4	105.5	43.9	23.8	67.8	190.1
2000	0.0	1.2	17.2	90.0	46.2	21.3	67.5	175.8
2001	0.0	1.2	16.9	91.1	50.5	19.7	70.2	179.5
2002	0.0	1.2	16.1	105.7	50.5	19.9	70.4	193.4
2003	0.0	1.5	16.0	83.3	54.5	19.5	74.0	174.7
2004	0.0	1.5	14.5	106.8	72.9	18.7	91.6	214.4
2005	0.0	1.2	14.0	91.9	76.4	18.4	94.8	201.8
2006	0.0	1.2	13.4	93.9	84.5	18.6	103.1	211.6
2007	0.0	1.6	13.5	115.8	116.2	13.5	129.8	260.7
2008	0.0	3.1	13.9	99.1	163.0	13.8	176.7	292.8
2009	0.0	2.9	13.0	98.7	161.8	16.8	178.6	293.3
2010	0.0	2.2	13.5	115.5	242.7	26.4 R	269.1 R	400.4 R
2011	0.0	2.0	14.8	72.5	270.5	31.4 R	302.0 R	391.2 R
2012	0.0	1.4	17.5	60.8	248.6	29.2 R	277.8 R	357.5 R
2013	0.0	1.1	16.3	71.7	247.7	33.7 R	281.5	370.6
2014	0.0	0.4	17.7	105.7	245.5	42.9 R	288.4	412.2
2015	0.0	0.5	16.6	108.0	260.3	50.8 R	311.0 R	436.1 R
2016	0.0	0.6	13.1 R	97.8	274.7	48.8 R	323.5 R	435.0 R
2017	0.0	0.5	12.2	72.3	293.4	66.0	359.4	444.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.2	0.0	NA	22.1	22.1	22.3
1961	0.0	0.0	0.9	0.0	NA	19.5	19.5	20.4
1962	0.0	0.0	0.8	0.0	NA	21.7	21.7	22.6
1963	0.0	0.0	0.7	0.0	NA	19.8	19.8	20.5
1964	0.0	0.0	1.5	0.0	NA	17.8	17.8	19.3
1965	0.0	0.0	1.2	0.0	NA	17.5	17.5	18.8
1966	0.0	0.0	1.8	0.0	NA	19.6	19.6	21.4
1967	0.0	0.0	1.6	0.0	NA	19.0	19.0	20.6
1968	0.0	0.0	1.6	0.0	NA	19.1	19.1	20.7
1969	0.0	0.0	1.3	0.0	NA	18.8	18.8	20.1
1970	0.0	0.0	0.9	0.0	NA	18.3	18.3	19.2
1971	0.0	0.0	0.7	0.0	NA	18.7	18.7	19.3
1972	0.0	0.0	0.6	0.0	NA	17.3	17.3	17.9
1973	0.0	0.0	0.6	0.0	NA	18.4	18.4	18.9
1974	0.0	0.0	0.7	0.0	NA	17.8	17.8	18.5
1975	0.0	0.0	0.7	0.0	NA	18.8	18.8	19.5
1976	0.0	0.0	0.8	0.0	NA	17.5	17.5	18.3
1977	0.0	0.0	3.8	0.0	NA	18.4	18.4	22.2
1978	0.0	0.0	6.7	0.0	NA	19.0	19.0	25.7
1979	0.0	0.0	7.2	0.0	NA	19.8	19.8	27.0
1980	0.0	0.0	5.1	0.0	NA	27.4	27.4	32.5
1981	0.0	0.0	4.1	0.0	0.0	21.8	21.8	25.9
1982	0.0	0.0	3.6	0.0	0.0	18.7	18.7	22.3
1983	0.0	0.0	4.7	0.0	0.0	47.2	47.2	51.9
1984	0.0	0.0	11.1	0.0	0.0	63.1	63.1	74.1
1985	0.0	0.0	17.6	0.0	0.0	50.0	50.0	67.6
1986	0.0	0.0	16.9	0.0	0.0	52.1	52.1	69.0
1987	0.0	0.0	18.1	0.0	0.0	28.5	28.5	46.5
1988	0.0	0.0	18.7	0.0	0.0	23.9	23.9	42.7
1989	0.0	0.0	18.7	0.0	0.0	30.2	30.2	48.9
1990	0.0	0.0	23.3	0.0	0.0	29.7	29.7	52.9
1991	0.0	0.1	19.8	0.0	0.0	39.0	39.0	58.8
1992	0.0	(s)	21.6	0.0	0.0	36.8	36.8	58.4
1993	0.0	(s)	10.9	0.0	0.0	40.6	40.6	51.5
1994	0.0	(s)	9.8	0.0	0.0	39.1	39.1	49.0
1995	0.0	(s)	7.8	0.0	0.0	40.3	40.3	48.1
1996	0.0	(s)	6.1	0.0	0.0	43.1	43.1	49.3
1997	0.0	(s)	5.7	0.0	0.0	48.3	48.3	54.0
1998	0.0	(s)	4.6	0.0	0.0	53.1	53.1	57.8
1999	0.0	(s)	4.1	0.0	0.0	49.0	49.0	53.1
2000	0.0	(s)	3.6	0.0	0.0	44.7	44.7	48.3
2001	0.0	(s)	3.3	0.0	0.0	43.4	43.4	46.7
2002	0.0	(s)	3.2	0.0	0.0	39.4	39.4	42.6
2003	0.0	(s)	2.9	0.0	0.0	33.6	33.6	36.4
2004	0.0	(s)	2.7	0.0	0.0	34.3	34.3	37.0
2005	0.0	(s)	2.6	0.0	0.0	34.5	34.5	37.1
2006	0.0	(s)	2.5	0.0	0.0	38.3	38.3	40.8
2007	0.0	(s)	2.4	0.0	0.0	37.7	37.7	40.1
2008	0.0	(s)	2.5	0.0	0.0	37.9 R	37.9 R	40.4
2009	0.0	(s)	2.5	0.0	0.0	46.7	46.7	49.3 R
2010	0.0	(s)	2.5	0.0	0.0	48.9 R	48.9 R	51.4 R
2011	0.0	(s)	2.4	0.0	0.0	50.2 R	50.2 R	52.6 R
2012	0.0	(s)	2.1	0.0	0.0	56.6 R	56.6 R	58.7 R
2013	0.0	(s)	1.9	0.0	0.0	66.5	66.5	68.4 R
2014	0.0	(s)	1.8	0.0	0.0	67.5	67.5	69.3
2015	0.0	(s)	1.6	0.0	0.0	75.4 R	75.4 R	77.0 R
2016	0.0	(s)	1.6	0.0	0.0	88.6 R	88.6 R	90.2 R
2017	0.0	(s)	1.6	0.0	0.0	98.2	98.2	99.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	25.6	25.6	25.6
1961	0.0	0.0	0.0	0.0	NA	23.3	23.3	23.3
1962	0.0	0.0	0.0	0.0	NA	25.1	25.1	25.1
1963	0.0	0.0	0.0	0.0	NA	24.5	24.5	24.5
1964	0.0	0.0	0.0	0.0	NA	23.7	23.7	23.7
1965	0.0	0.0	0.0	0.0	NA	22.0	22.0	22.0
1966	0.0	0.0	0.0	0.0	NA	24.3	24.3	24.3
1967	0.0	0.0	0.0	0.0	NA	24.1	24.1	24.1
1968	0.0	0.0	0.0	0.0	NA	25.2	25.2	25.2
1969	0.0	0.0	0.0	0.0	NA	27.8	27.8	27.8
1970	0.0	0.0	0.0	0.0	NA	25.3	25.3	25.3
1971	0.0	0.0	0.0	0.0	NA	24.7	24.7	24.7
1972	0.0	0.0	0.0	0.0	NA	26.1	26.1	26.1
1973	0.0	0.0	0.0	0.0	NA	30.7	30.7	30.7
1974	0.0	0.0	0.0	0.0	NA	28.7	28.7	28.7
1975	0.0	0.0	0.0	0.0	NA	25.9	25.9	25.9
1976	0.0	0.0	0.0	0.0	NA	31.1	31.1	31.1
1977	0.0	0.0	0.0	0.0	NA	31.3	31.3	31.3
1978	0.0	0.0	0.0	0.0	NA	31.0	31.0	31.0
1979	0.0	0.0	0.0	0.0	NA	33.5	33.5	33.5
1980	0.0	0.0	0.0	0.0	NA	32.4	32.4	32.4
1981	0.0	0.0	0.0	0.0	0.0	36.1	36.1	36.1
1982	0.0	0.0	0.0	0.0	0.0	33.8	33.8	33.8
1983	0.0	0.0	0.0	0.0	0.0	38.2	38.2	38.2
1984	0.0	0.0	0.0	0.0	0.0	35.0	35.0	35.0
1985	0.0	0.0	0.0	0.0	0.0	33.8	33.8	33.8
1986	0.0	0.0	0.0	0.0	0.0	38.7	38.7	38.7
1987	0.0	0.0	0.0	0.0	0.0	35.0	35.0	35.0
1988	0.0	0.0	0.0	0.0	0.0	36.5	36.5	36.5
1989	0.0	0.0	0.0	0.0	0.0	40.6	40.6	40.6
1990	0.0	0.0	0.0	43.2	0.0	46.8	46.8	90.0
1991	0.0	0.0	0.0	71.2	0.0	40.9	40.9	112.1
1992	0.0	0.0	0.0	82.4	0.0	42.2	42.2	124.6
1993	0.0	0.0	0.0	95.0	0.0	42.4	42.4	137.5
1994	0.0	0.0	0.0	64.8	0.0	40.4	40.4	105.2
1995	0.0	0.0	0.0	88.0	0.0	39.5	39.5	127.5
1996	0.0	0.0	0.0	103.4	0.0	47.6	47.6	151.0
1997	0.0	0.0	0.0	83.7	0.0	42.3	42.3	126.0
1998	0.0	0.0	0.0	88.0	0.0	40.6	40.6	128.6
1999	0.0	0.0	0.0	90.7	0.0	38.9	38.9	129.6
2000	0.0	0.0	0.0	82.6	0.0	38.6	38.6	121.2
2001	0.0	0.0	0.0	90.8	0.0	30.2	30.2	121.0
2002	0.0	0.0	0.0	97.1	0.0	28.9	28.9	126.0
2003	0.0	0.0	0.0	96.7	0.0	29.8	29.8	126.5
2004	0.0	0.0	0.0	106.1	0.0	34.9	34.9	141.1
2005	0.0	0.0	0.0	98.7	0.0	41.3	41.3	140.0
2006	0.0	0.0	0.0	98.1	0.0	33.1	33.1	131.2
2007	0.0	0.0	0.0	112.9	0.0	34.8	34.8	147.7
2008	0.0	0.0	0.0	97.7	0.0	39.9	39.9	137.6
2009	0.0	0.0	0.0	92.2	0.0	45.4	45.4	137.6
2010	0.0	0.0	0.0	114.0	0.0	45.1 R	45.1 R	159.2 R
2011	0.0	0.0	0.0	87.5	0.0	46.1 R	46.1 R	133.6 R
2012	0.0	0.0	0.0	85.8	0.0	44.5 R	44.5 R	130.3 R
2013	0.0	0.0	0.0	114.2	0.0	52.7 R	52.7 R	166.9 R
2014	0.0	0.0	0.0	106.4	0.0	55.4 R	55.4 R	161.7 R
2015	0.0	0.0	0.0	99.2	0.0	61.1 R	61.1 R	160.3 R
2016	0.0	0.0	0.0	112.6	0.0	56.0 R	56.0 R	168.5 R
2017	0.0	0.0	0.0	104.5	0.0	59.3	59.3	163.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	20.5	20.5	20.5
1961	0.0	0.0	0.0	0.0	NA	20.7	20.7	20.7
1962	0.0	0.0	0.0	0.0	NA	21.2	21.2	21.2
1963	0.0	0.0	0.0	0.0	NA	23.4	23.4	23.4
1964	0.0	0.0	0.0	0.0	NA	23.9	23.9	23.9
1965	0.0	0.0	0.0	0.0	NA	23.7	23.7	23.7
1966	0.0	0.0	0.0	0.0	NA	23.6	23.6	23.6
1967	0.0	0.0	0.0	0.0	NA	23.7	23.7	23.7
1968	0.0	0.0	0.0	0.0	NA	24.7	24.7	24.7
1969	0.0	0.0	0.0	1.2	NA	25.4	25.4	26.5
1970	0.0	0.0	0.0	37.9	NA	25.9	25.9	63.8
1971	0.0	0.0	0.0	41.5	NA	26.6	26.6	68.1
1972	0.0	0.0	0.0	47.0	NA	29.6	29.6	76.6
1973	0.0	0.0	0.0	39.1	NA	30.3	30.3	69.4
1974	0.0	0.0	0.0	41.0	NA	33.1	33.1	74.1
1975	0.0	0.0	0.0	34.6	NA	31.0	31.0	65.6
1976	0.0	0.0	0.0	42.6	NA	35.1	35.1	77.7
1977	0.0	0.0	0.0	74.9	NA	38.5	38.5	113.5
1978	0.0	0.0	0.0	89.4	NA	41.7	41.7	131.0
1979	0.0	0.0	0.0	71.9	NA	43.1	43.1	115.0
1980	0.0	0.0	0.0	83.2	NA	48.4	48.4	131.6
1981	0.0	0.0	0.0	128.8	0.0	54.4	54.4	183.2
1982	0.0	0.0	0.0	155.5	0.0	49.2	49.2	204.7
1983	0.0	0.0	0.0	69.0	0.0	60.3	60.3	129.3
1984	0.0	0.0	0.0	60.8	0.0	48.8	48.8	109.6
1985	0.0	0.0	0.0	188.8	0.0	49.7	49.7	238.4
1986	0.0	0.0	0.0	156.3	0.0	41.5	41.5	197.8
1987	0.0	0.0	0.0	237.0	0.0	38.6	38.6	275.6
1988	0.0	0.0	0.0	253.3	0.0	41.9	41.9	295.1
1989	0.0	0.0	0.0	243.7	0.0	34.9	34.9	278.6
1990	0.0	0.0	0.0	251.5	0.0	26.1	26.1	277.7
1991	0.0	0.0	0.0	260.1	0.0	36.0	36.0	296.1
1992	0.0	0.0	0.0	226.1	0.0	38.6	38.6	264.7
1993	0.0	0.0	0.0	261.9	0.0	37.0	37.0	298.9
1994	0.0	0.0	0.0	231.3	0.0	41.5	41.5	272.8
1995	0.0	0.0	0.0	176.6	0.0	43.2	43.2	219.8
1996	0.0	0.0	0.0	115.8	0.0	41.3	41.3	157.1
1997	0.0	0.0	0.0	146.0	0.0	39.3	39.3	185.3
1998	0.0	0.0	0.0	284.6	0.0	38.9	38.9	323.5
1999	0.0	0.0	0.0	302.7	0.0	39.9	39.9	342.6
2000	0.0	0.0	0.0	298.0	0.0	40.3	40.3	338.4
2001	0.0	0.0	0.0	318.2	0.0	29.1	29.1	347.3 R
2002	0.0	0.0	0.0	322.3	0.0	28.7	28.7	351.0
2003	0.0	0.0	0.0	309.6	0.0	26.7	26.7	336.3
2004	0.0	0.0	0.0	282.4	0.0	27.1	27.1	309.5
2005	0.0	0.0	0.0	327.6	0.0	19.6	19.6	347.2
2006	0.0	0.0	0.0	339.8	0.0	21.8 R	21.8 R	361.6
2007	0.0	0.0	0.0	335.8	0.0	20.4	20.4	356.2 R
2008	0.0	0.0	0.0	336.5	0.0	23.2 R	23.2 R	359.7 R
2009	0.0	0.0	0.0	359.0	0.0	33.9 R	33.9 R	392.9 R
2010	0.0	0.0	0.0	342.5	0.0	37.3 R	37.3 R	379.8 R
2011	0.0	0.0	0.0	351.7	0.0	38.9 R	38.9 R	390.5 R
2012	0.0	0.0	0.0	347.0	0.0	43.6 R	43.6 R	390.6 R
2013	0.0	0.0	0.0	348.8	0.0	49.5 R	49.5 R	398.3 R
2014	0.0	0.0	0.0	329.5	0.0	54.1 R	54.1 R	383.6 R
2015	0.0	0.0	0.0	347.9	0.0	44.0 R	44.0 R	391.9 R
2016	0.0	0.0	0.0	312.6	0.0	45.3 R	45.3 R	357.9 R
2017	0.0	0.0	0.0	355.9	0.0	48.0	48.0	403.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	295	798,928	107,380	NA
1961	412	789,662	112,553	NA
1962	677	804,612	109,328	NA
1963	1,945	808,377	109,941	NA
1964	2,969	878,720	113,863	NA
1965	3,212	937,205	119,166	NA
1966	2,755	998,076	124,154	NA
1967	3,463	1,067,510	126,144	NA
1968	3,429	1,164,182	128,550	NA
1969	4,471	1,138,133	129,227	NA
1970	7,361	1,138,980	128,184	NA
1971	8,175	1,167,577	118,412	NA
1972	8,248	1,216,061	110,525	NA
1973	9,069	1,218,749	100,986	NA
1974	9,392	1,244,779	98,695	NA
1975	8,785	1,217,430	95,063	NA
1976	9,760	1,230,976	92,130	NA
1977	11,083	1,202,973	87,223	NA
1978	12,632	1,174,198	83,365	NA
1979	15,615	1,181,363	79,649	NA
1980	18,425	1,148,086	75,324	NA
1981	18,709	1,132,066	71,568	34
1982	19,944	991,178	71,024	115
1983	20,415	895,279	75,169	217
1984	21,279	957,366	79,336	260
1985	22,203	905,272	78,530	280
1986	21,496	702,614	75,712	297
1987	19,131	823,773	72,328	325
1988	21,803	791,819	71,235	328
1989	23,702	854,615	68,714	310
1990	24,292	965,104	67,250	260
1991	21,518	1,038,284	70,417	306
1992	24,549	1,268,863	69,972	273
1993	28,268	1,409,429	68,422	298
1994	28,041	1,557,689	65,846	281
1995	26,813	1,625,837	64,508	266
1996	24,067	1,554,087	64,479	107
1997	27,025	1,558,633	69,834	186
1998	28,597	1,501,098	72,328	216
1999	29,156	1,511,671	64,376	196
2000	27,323	1,695,295	67,198	232
2001	29,618	1,689,125	68,001	249
2002	28,916	1,632,080	67,562	334
2003	26,389	1,604,015	66,589	387
2004	27,250	1,632,539	64,517	347
2005	28,519	1,645,166	60,963	472
2006	25,913	1,609,223	59,452	672
2007	24,451	1,517,922	59,179	719
2008	25,645	1,446,204	60,155	528
2009	25,124	1,383,004	61,178	654
2010	20,991	1,292,185	65,569	749
2011	21,922	1,237,303	71,506 R	734
2012	22,452	1,215,773	85,552 R	579
2013	21,969	1,171,640	102,789 R	608
2014	21,963	1,229,520	125,021 R	571
2015	19,679	1,245,145	147,663 R	0
2016	13,341	1,229,647 R	146,389 R	0
2017	13,844	1,293,040	171,440	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	5.5	924.2 R	622.8	0.0	NA	7.4	7.4	1,559.9 R
1961	7.7	913.5 R	652.8	0.0	NA	6.9	6.9	1,580.9 R
1962	12.7	930.8 R	634.1	0.0	NA	6.8	6.8	1,584.4 R
1963	36.4	935.1 R	637.7	0.0	NA	6.5	6.5	1,615.7 R
1964	55.5	1,016.5 R	660.4	0.0	NA	6.3	6.3	1,738.8 R
1965	60.1	1,084.2 R	691.2	0.0	NA	6.1	6.1	1,841.5 R
1966	51.5	1,154.6 R	720.1	0.0	NA	6.2	6.2	1,932.4 R
1967	64.8	1,234.9 R	731.6	0.0	NA	5.7	5.7	2,037.0 R
1968	64.1	1,346.8 R	745.6	0.0	NA	5.7	5.7	2,162.2 R
1969	83.6	1,316.6 R	749.5	0.0	NA	5.7	5.7	2,155.5 R
1970	137.7	1,317.6 R	743.5	0.0	NA	5.5	5.5	2,204.3 R
1971	152.9	1,356.7 R	686.8	0.0	NA	5.0	5.0	2,201.4 R
1972	154.3	1,410.4 R	641.0	0.0	NA	4.7	4.7	2,210.4 R
1973	164.7	1,393.5 R	585.7	0.0	NA	4.9	4.9	2,148.8 R
1974	168.5	1,413.9 R	572.4	0.0	NA	4.9	4.9	2,159.8 R
1975	157.5	1,386.0 R	551.4	0.0	NA	6.0	6.0	2,100.9 R
1976	175.4	1,400.3 R	534.4	0.0	NA	6.8	6.8	2,116.9 R
1977	200.3	1,383.2 R	505.9	0.0	NA	7.3	7.3	2,096.7 R
1978	232.6	1,353.6 R	483.5	0.0	NA	8.0	8.0	2,077.8 R
1979	292.4	1,372.2 R	462.0	0.0	NA	9.9	9.9	2,136.5 R
1980	345.1	1,323.7 R	436.9	0.0	NA	6.2	6.2	2,111.9 R
1981	355.6	1,301.3 R	415.1	0.0	0.2	7.6	7.9	2,079.8 R
1982	375.4	1,139.1 R	411.9	0.0	0.7	7.7	8.4	1,934.9 R
1983	381.4	1,023.3 R	436.0	0.0	1.4	8.4	9.7	1,850.4 R
1984	397.9	1,100.0 R	460.1	0.0	1.7	8.7	10.3	1,968.4 R
1985	420.4	1,059.4 R	455.5	0.0	1.8	9.2	11.0	1,946.2 R
1986	404.1	835.2 R	439.1	0.0	1.9	9.8	11.7	1,690.1 R
1987	359.6	982.1 R	419.5	0.0	2.0	6.8	8.9	1,770.1 R
1988	407.9	943.8 R	413.2	0.0	2.1	6.4	8.5	1,773.3 R
1989	444.9	990.5 R	398.5	0.0	1.9	7.3	9.3	1,843.2 R
1990	454.2	1,120.9 R	390.1	0.0	1.6	6.7	8.3	1,973.5 R
1991	400.5	1,187.9 R	408.4	0.0	1.9	7.2	9.1	2,006.0 R
1992	457.8	1,433.2 R	405.8	0.0	1.7	7.6	9.3	2,306.1 R
1993	535.3	1,590.7 R	396.8	0.0	1.8	7.8	9.7	2,532.5 R
1994	533.9	1,695.5 R	381.9	0.0	1.7	6.9	8.6	2,619.9 R
1995	508.0	1,788.2 R	374.1	0.0	1.6	7.4	9.1	2,679.4 R
1996	452.3	1,755.3 R	374.0	0.0	0.7	6.9	7.6	2,589.1 R
1997	505.6	1,740.0 R	405.0	0.0	1.1	7.9	9.0	2,659.6 R
1998	534.7	1,624.8 R	419.5	0.0	1.3	7.2	8.5	2,587.5 R
1999	547.7	1,637.0 R	373.4	0.0	1.2	7.8	9.0	2,567.0 R
2000	513.4	1,806.5 R	389.7	0.0	1.4	7.8	9.2	2,718.8 R
2001	554.8	1,813.1 R	394.4	0.0	1.5	6.5	8.0	2,770.3 R
2002	543.3	1,763.6 R	391.9	0.0	2.0	6.7	8.7	2,707.5 R
2003	490.6	1,799.7 R	386.2	0.0	2.3	7.2	9.6	2,686.1 R
2004	510.9	1,828.2 R	374.2	0.0	2.1	10.3	12.3	2,725.6 R
2005	537.0	1,828.0 R	353.6	0.0	2.8	21.3	24.1	2,742.7 R
2006	485.1	1,780.6 R	344.8	0.0	4.0	25.4	29.4	2,639.9 R
2007	455.5	1,690.8 R	343.2	0.0	4.2	28.5	32.7	2,522.3 R
2008	475.8	1,609.0 R	348.9	0.0	3.1	32.3	35.3	2,469.0 R
2009	466.1	1,549.6 R	354.8	0.0	3.8	27.2	31.0	2,401.6 R
2010	381.4	1,453.1 R	380.3	0.0	4.3	30.2 R	34.5 R	2,249.4 R
2011	406.0	1,397.3 R	414.7 R	0.0	4.2	32.9 R	37.1 R	2,255.0 R
2012	409.1	1,367.0 R	496.2	0.0	3.3	34.7 R	38.1 R	2,310.3 R
2013	400.2	1,331.4 R	596.2 R	0.0	3.5	36.2 R	39.7 R	2,367.5 R
2014	400.2	1,397.8 R	725.1 R	0.0	3.2	38.6 R	41.8 R	2,565.0 R
2015	357.5	1,436.3 R	844.2 R	0.0	0.0	38.8 R	38.8 R	2,676.9 R
2016	246.5	1,422.6 R	837.6 R	0.0	0.0	54.9 R	54.9 R	2,561.7 R
2017	257.7	1,498.7	981.2	0.0	0.0	67.5	67.5	2,805.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	4,990	1,813	NA
1961	0	5,742	1,658	NA
1962	0	4,262	1,589	NA
1963	0	3,962	1,679	NA
1964	0	3,125	1,874	NA
1965	0	3,340	1,632	NA
1966	0	2,699	1,735	NA
1967	0	3,837	1,972	NA
1968	0	4,632	1,532	NA
1969	0	4,861	1,256	NA
1970	0	3,358	1,194	NA
1971	0	2,202	1,126	NA
1972	0	3,679	1,018	NA
1973	0	4,539	967	NA
1974	0	4,990	896	NA
1975	0	7,628	875	NA
1976	0	9,235	857	NA
1977	0	10,682	824	NA
1978	0	13,900	852	NA
1979	0	15,500	855	NA
1980	0	15,643	824	NA
1981	0	16,074	841	0
1982	0	15,877	834	0
1983	0	17,836	831	0
1984	0	25,200	840	0
1985	0	31,561	1,071	0
1986	0	29,964	853	0
1987	0	25,676	710	0
1988	0	23,455	566	0
1989	0	20,433	498	0
1990	0	25,023	415	0
1991	0	22,777	427	0
1992	0	23,508	404	0
1993	0	21,183	335	0
1994	0	20,465	299	0
1995	0	18,400	304	0
1996	0	18,131	309	0
1997	0	16,188	276	0
1998	0	16,699	217	0
1999	0	16,122	206	0
2000	0	17,757	210	0
2001	0	27,787	166	0
2002	0	36,816	164	0
2003	0	36,137	143	0
2004	0	46,050	170	0
2005	0	55,180	202	0
2006	0	55,980	312	0
2007	0	54,942	379	100
2008	0	50,320	387	2,064
2009	0	44,849	333	1,189
2010	0	35,813	381	2,672
2011	0	31,124	375	4,011
2012	0	26,424	362	3,798
2013	0	23,458	366	3,991
2014	0	20,201	356	4,086
2015	0	17,325	286 R	4,062
2016	0	13,523 R	225 R	4,110
2017	0	11,395	184	4,227

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	5.1	10.5	0.0	NA	189.3	189.3	204.9
1961	0.0	5.9	9.6	0.0	NA	250.8	250.8	266.3
1962	0.0	4.4	9.2	0.7	NA	278.0	278.0	292.3
1963	0.0	4.0	9.7	7.0	NA	260.1	260.1	280.9
1964	0.0	3.2	10.9	4.6	NA	247.4	247.4	266.0
1965	0.0	3.4	9.5	8.6	NA	262.7	262.7	284.2
1966	0.0	2.8	10.1	9.3	NA	288.6	288.6	310.7
1967	0.0	3.9	11.4	13.3	NA	301.7	301.7	330.3
1968	0.0	4.7	8.9	12.1	NA	320.3	320.3	346.1
1969	0.0	5.0	7.3	14.0	NA	339.6	339.6	365.9
1970	0.0	3.4	6.9	46.9	NA	325.5	325.5	382.8
1971	0.0	2.2	6.5	70.7	NA	326.6	326.6	406.1
1972	0.0	3.8	5.9	69.8	NA	348.0	348.0	427.4
1973	0.0	4.7	5.6	78.8	NA	364.7	364.7	453.8
1974	0.0	5.1	5.2	103.5	NA	363.0	363.0	476.8
1975	0.0	7.7	5.1	144.4	NA	354.9	354.9	512.1
1976	0.0	9.4	5.0	173.0	NA	368.5	368.5	555.8
1977	0.0	10.8	4.8	221.7	NA	342.2	342.2	579.5
1978	0.0	14.1	4.9	237.4	NA	354.9	354.9	611.3
1979	0.0	15.7	5.0	201.3	NA	368.4	368.4	590.4
1980	0.0	16.0	4.8	210.3	NA	404.7	404.7	635.7
1981	0.0	16.4	4.9	192.4	0.0	413.9	413.9	627.6
1982	0.0	16.2	4.8	159.9	0.0	397.4	397.4	578.4
1983	0.0	18.3	4.8	178.6	0.0	435.9	435.9	637.6
1984	0.0	25.9	4.9	229.7	0.0	409.6	409.6	670.0
1985	0.0	32.5	6.2	255.9	0.0	415.5	415.5	710.1
1986	0.0	30.8	4.9	233.6	0.0	429.1	429.1	698.5
1987	0.0	26.4	4.1	239.4	0.0	400.0	400.0	670.0
1988	0.0	24.1	3.3	256.3	0.0	365.6	365.6	649.4
1989	0.0	21.0	2.9	241.8	0.0	379.0	379.0	644.7
1990	0.0	25.8	2.4	250.0	0.0	391.0 R	391.0 R	669.1
1991	0.0	23.4	2.5	298.3	0.0	379.1	379.1	703.2
1992	0.0	24.2	2.3	252.9	0.0	395.1	395.1	674.6
1993	0.0	21.8	1.9	282.4	0.0	421.3	421.3	727.5
1994	0.0	21.0	1.7	305.5	0.0	409.2	409.2	737.5
1995	0.0	18.9	1.8	276.7	0.0	391.3	391.3	688.7
1996	0.0	18.6	1.8	370.0	0.0	439.3	439.3	829.7
1997	0.0	16.6	1.6	310.3	0.0	491.2	491.2	819.7
1998	0.0	17.2	1.3	328.5	0.0	458.8	458.8	805.8
1999	0.0	16.6	1.2	386.8	0.0	419.1	419.1	823.7
2000	0.0	18.3	1.2	328.6	0.0	429.2	429.2	777.3
2001	0.0	28.6	1.0	421.8	0.0	350.7	350.7	802.1
2002	0.0	37.7	1.0	413.7	0.0	364.0	364.0	816.3
2003	0.0	37.1	0.8	424.0	0.0	357.4	357.4	819.3
2004	0.0	47.2	1.0	423.8	0.0	358.9	358.9	830.9
2005	0.0	56.6	1.2	442.9	0.0	365.5	365.5	866.2
2006	0.0	57.2	1.8	440.6	0.0	378.6	378.6	878.2
2007	0.0	56.2	2.2	445.3	0.6	363.2	363.7	867.4
2008	0.0	51.4	2.2	451.6	12.0	387.2 R	399.1	904.4
2009	0.0	45.8	1.9	454.8	6.9	363.0	369.9	872.4
2010	0.0	36.6	2.2	437.6	15.4	351.5 R	366.9 R	843.3 R
2011	0.0	31.9	2.2	446.8	23.0	381.2 R	404.2 R	885.1 R
2012	0.0	27.2	2.1	427.3	21.7	342.5 R	364.2 R	820.8 R
2013	0.0	24.2	2.1	467.7	22.8	359.3 R	382.0 R	876.0 R
2014	0.0	20.8	2.1	450.1	23.2	378.0 R	401.2 R	874.3 R
2015	0.0	17.9	1.6	466.5	23.0	389.3 R	412.4 R	898.3 R
2016	0.0	13.9	1.3	434.8	23.2	391.5 R	414.7 R	864.8 R
2017	0.0	11.8	1.1	441.0	23.8	426.8	450.7	904.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	127.5	127.5	127.5
1961	0.0	0.0	0.0	0.0	NA	120.7	120.7	120.7
1962	0.0	0.0	0.0	0.0	NA	127.4	127.4	127.4
1963	0.0	0.0	0.0	0.0	NA	116.5	116.5	116.5
1964	0.0	0.0	0.0	0.0	NA	131.7	131.7	131.7
1965	0.0	0.0	0.0	0.0	NA	123.6	123.6	123.6
1966	0.0	0.0	0.0	0.0	NA	114.3	114.3	114.3
1967	0.0	0.0	0.0	0.0	NA	118.6	118.6	118.6
1968	0.0	0.0	0.0	0.0	NA	117.1	117.1	117.1
1969	0.0	0.0	0.0	0.0	NA	119.5	119.5	119.5
1970	0.0	0.0	0.0	0.0	NA	111.8	111.8	111.8
1971	0.0	0.0	0.0	0.0	NA	128.1	128.1	128.1
1972	0.0	0.0	0.0	0.0	NA	135.8	135.8	135.8
1973	0.0	0.0	0.0	0.0	NA	142.8	142.8	142.8
1974	0.0	0.0	0.0	0.0	NA	139.6	139.6	139.6
1975	0.0	0.0	0.0	15.5	NA	139.8	139.8	155.3
1976	0.0	0.0	0.0	27.7	NA	137.0	137.0	164.7
1977	0.0	0.0	0.0	61.0	NA	146.6	146.6	207.6
1978	0.0	0.0	0.0	108.5	NA	159.2	159.2	267.7
1979	0.0	0.0	0.0	74.1	NA	191.6	191.6	265.7
1980	0.0	0.0	0.0	63.0	NA	135.9	135.9	198.9
1981	0.0	0.0	0.0	68.9	0.0	108.2	108.2	177.0
1982	0.0	0.0	0.0	101.1	0.0	143.3	143.3	244.4
1983	0.0	0.0	0.0	134.8	0.0	149.6	149.6	284.5
1984	0.0	0.0	0.0	219.4	0.0	159.9	159.9	379.3
1985	0.0	0.0	0.0	205.0	0.0	136.8	136.8	341.8
1986	0.0	0.0	0.0	214.6	0.0	114.1	114.1	328.7
1987	0.0	0.0	0.0	298.6	0.0	134.9	134.9	433.5
1988	0.0	0.0	0.0	309.0	0.0	115.3	115.3	424.3
1989	0.0	0.0	0.0	309.2	0.0	167.7	167.7	476.8
1990	0.0	0.0	0.0	274.1	0.0	168.7	168.7	442.9
1991	0.0	0.0	0.0	317.8	0.0	137.3	137.3	455.1
1992	0.0	0.0	0.0	238.3	0.0	159.7	159.7	398.0
1993	0.0	0.0	0.0	249.6	0.0	157.3	157.3	406.9
1994	0.0	0.0	0.0	338.1	0.0	186.8	186.8	524.9
1995	0.0	0.0	0.0	377.3	0.0	168.7	168.7	546.0
1996	0.0	0.0	0.0	354.1	0.0	171.4	171.4	525.5
1997	0.0	0.0	0.0	340.6	0.0	164.8	164.8	505.4
1998	0.0	0.0	0.0	406.8	0.0	159.6	159.6	566.5
1999	0.0	0.0	0.0	392.1	0.0	139.7	139.7	531.9
2000	0.0	0.0	0.0	408.1	0.0	136.2	136.2	544.3
2001	0.0	0.0	0.0	394.5	0.0	127.3	127.3	521.8
2002	0.0	0.0	0.0	413.8	0.0	125.2	125.2	539.0
2003	0.0	0.0	0.0	426.3	0.0	181.6	181.6	607.9
2004	0.0	0.0	0.0	418.1	0.0	139.8	139.8	557.9
2005	0.0	0.0	0.0	417.2	0.0	145.3	145.3	562.5
2006	0.0	0.0	0.0	417.0	0.0	136.6	136.6	553.6
2007	0.0	0.0	0.0	420.0	0.0	112.7	112.7	532.7
2008	0.0	0.0	0.0	415.7	0.0	142.7	142.7	558.4
2009	0.0	0.0	0.0	427.2	0.0	148.5	148.5	575.7
2010	0.0	0.0	0.0	425.8	0.0	157.3 R	157.3 R	583.1 R
2011	0.0	0.0	0.0	424.1	0.0	155.6 R	155.6 R	579.7 R
2012	0.0	0.0	0.0	412.7	0.0	152.8 R	152.8 R	565.5 R
2013	0.0	0.0	0.0	420.5	0.0	191.7 R	191.7 R	612.2 R
2014	0.0	0.0	0.0	428.5	0.0	173.4 R	173.4 R	601.8 R
2015	0.0	0.0	0.0	440.2	0.0	169.8 R	169.8 R	610.0 R
2016	0.0	0.0	0.0	447.5	0.0	199.2 R	199.2 R	646.7 R
2017	0.0	0.0	0.0	443.2	0.0	217.9	217.9	661.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	2,525	19,483	21,992	NA
1961	2,726	20,100	23,652	NA
1962	2,733	25,155	25,181	NA
1963	2,399	32,798	25,030	NA
1964	2,637	34,700	25,731	NA
1965	2,732	35,652	26,350	NA
1966	3,543	46,585	27,126	NA
1967	4,156	40,462	25,315	NA
1968	4,487	41,023	25,040	NA
1969	4,704	33,587	22,703	NA
1970	5,639	34,889	21,998	NA
1971	6,075	33,864	21,653	NA
1972	6,632	32,472	20,624	NA
1973	6,906	27,703	20,235	NA
1974	7,463	31,206	19,697	NA
1975	8,515	24,786	20,452	NA
1976	11,102	31,470	21,725	NA
1977	12,028	29,173	23,273	NA
1978	14,028	30,499	24,812	NA
1979	15,135	18,468	30,914	NA
1980	16,975	42,346	40,337	NA
1981	18,122	42,573	45,424	50
1982	17,855	53,818	47,271	167
1983	19,190	69,319	50,690	314
1984	22,112	70,496	52,652	376
1985	26,873	72,633	50,857	405
1986	25,640	55,098	45,628	430
1987	25,142	62,258	41,351	471
1988	29,731	57,747	39,343	475
1989	29,566	51,174	36,744	449
1990	29,213	52,169	36,717	377
1991	29,530	53,479	35,891	443
1992	31,744	54,883	32,894	395
1993	31,973	59,851	30,915	453
1994	32,286	57,805	27,575	487
1995	30,112	49,468	29,335	473
1996	29,861	49,674	32,317	196
1997	29,580	52,401	35,832	350
1998	29,912	53,185	35,562	417
1999	31,135	52,862	32,882	389
2000	31,270	52,426	32,719	471
2001	30,475	54,732	31,691	519
2002	30,799	57,048	30,803	712
2003	30,775	55,693	29,411	844
2004	29,943	55,009	31,152	774
2005	29,956	52,557	35,675	744
2006	30,411	55,273	39,591	751
2007	29,606	60,255	44,788	3,255
2008	29,627	52,444	62,322 R	3,666
2009	29,945	59,369	79,318 R	6,197
2010	28,949	81,837	112,524 R	8,679
2011	28,231	97,102	152,387 R	9,245
2012	27,529	172,242	242,325 R	8,661
2013	27,639	235,711	312,294 R	8,760
2014	29,157	326,491	394,603 R	9,014
2015	28,802	471,360	429,583 R	10,474
2016	28,121	531,997 R	377,803 R	11,380
2017	28,788	594,054	392,127	11,565

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	33.1	25.0	127.6	0.0	NA	11.9	11.9	197.5
1961	35.7	25.8 R	137.2	0.0	NA	15.4	15.4	214.1 R
1962	35.8	32.2	146.1	0.0	NA	14.1	14.1	228.1
1963	31.4	42.0	145.2	0.0	NA	15.9	15.9	234.6 R
1964	34.5	44.5 R	149.2	0.0	NA	20.0	20.0	248.3 R
1965	35.8	45.7	152.8	0.0	NA	26.4	26.4	260.8 R
1966	46.4	59.7	157.3	0.0	NA	20.4	20.4	283.9 R
1967	54.4	51.9 R	146.8	0.0	NA	29.3	29.3	282.4 R
1968	58.8	52.6 R	145.2	0.0	NA	26.3	26.3	282.9
1969	61.6	43.1 R	131.7	0.0	NA	31.1	31.1	267.4
1970	73.9	44.7	127.6	0.0	NA	29.9	29.9	276.1
1971	79.6	42.4 R	125.6	0.0	NA	34.3	34.3	281.8
1972	86.9	40.1	119.6	0.0	NA	32.5	32.5	279.1
1973	93.7	34.4 R	117.4	0.0	NA	25.1	25.1	270.6
1974	100.6	36.5 R	114.2	0.0	NA	28.9	28.9	280.2
1975	110.9	29.5	118.6	0.0	NA	35.3	35.3	294.3
1976	144.8	36.3	126.0	0.0	NA	34.4	34.4	341.5
1977	157.6	33.6	135.0	0.0	NA	21.3	21.3	347.5
1978	184.3	35.0	143.9	0.0	NA	32.0	32.0	395.2
1979	199.5	24.7	179.3	0.0	NA	28.9	28.9	432.3
1980	223.7	52.6	234.0	0.0	NA	28.6	28.6	538.9 R
1981	238.0	55.0 R	263.5	0.0	0.3	25.7	26.0	582.5 R
1982	235.3	66.9 R	274.2	0.0	1.1	29.3	30.4	606.8 R
1983	251.1	86.4 R	294.0	0.0	2.0	27.4	29.5	661.0 R
1984	286.3	89.1 R	305.4	0.0	2.4	27.7	30.1	710.9 R
1985	351.0	93.4	295.0	0.0	2.6	25.8	28.4	767.9 R
1986	335.2	70.8 R	264.6	0.0	2.7	27.3	30.0	700.6
1987	328.6	80.6 R	239.8	0.0	3.0	23.2	26.2	675.2 R
1988	389.4	74.8 R	228.2	0.0	3.0	22.2	25.1	717.5
1989	386.8	65.7	213.1	0.0	2.8	22.6	25.4	691.0
1990	387.7	66.8 R	213.0	0.0	2.3	19.8	22.2	689.5
1991	386.8	68.5	208.2	0.0	2.7	20.5	23.2	686.7
1992	413.5	69.1 R	190.8	0.0	2.4	19.8	22.2	695.6
1993	417.3	74.9	179.3	0.0	2.8	16.5	19.3	690.9 R
1994	422.5	72.0	159.9	0.0	3.0	21.6	24.6	679.1 R
1995	395.2	62.2	170.1	0.0	2.9	28.1	31.0	658.5
1996	393.5	61.5	187.4	0.0	1.2	35.2	36.4	678.8
1997	389.6	64.3	207.8	0.0	2.1	36.3	38.5	700.2 R
1998	392.6	65.2	206.3	0.0	2.5	25.8	28.4	692.4
1999	407.9	66.0 R	190.7	0.0	2.4	29.3	31.6	696.2 R
2000	408.4	65.3	189.8	0.0	2.8	24.4	27.3	690.7
2001	398.4	68.4 R	183.8	0.0	3.1	17.5	20.7	671.3 R
2002	401.8	69.2 R	178.7	0.0	4.3	19.1	23.4	673.1 R
2003	402.7	67.8 R	170.6	0.0	5.0	21.1	26.2	667.2 R
2004	393.0	68.4 R	180.7	0.0	4.6	21.3	25.9	668.0 R
2005	392.6	67.9 R	206.9	0.0	4.4	19.0	23.4	690.7
2006	397.5	71.4 R	229.6	0.0	4.4	21.7	26.1	724.6 R
2007	385.1	76.9 R	259.8	0.0	19.0	21.7	40.7	762.4
2008	387.4	68.9 R	361.5 R	0.0	21.3	31.6	52.9	870.6 R
2009	391.8	80.5 R	460.0 R	0.0	35.8	46.5	82.2	1,014.6
2010	377.7	107.7 R	652.6 R	0.0	50.0	62.9 R	112.9 R	1,250.9 R
2011	367.6	130.7 R	883.8 R	0.0	53.1	79.8	132.9	1,515.1 R
2012	366.8	231.5 R	1,405.5	0.0	49.6	77.2	126.7	2,130.5 R
2013	369.5	318.4 R	1,811.3 R	0.0	50.0	74.1	124.1	2,623.3 R
2014	389.7	437.2 R	2,288.7 R	0.0	51.3	86.9	138.2	3,253.7 R
2015	392.2	679.0 R	2,455.9 R	0.0	59.4	84.0 R	143.3 R	3,670.4 R
2016	399.9	766.9 R	2,161.8 R	0.0	64.3	97.0 R	161.3 R	3,489.8 R
2017	394.0	855.8	2,244.1	0.0	65.2	132.3	197.5	3,691.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	33,957	36,074	5,405	NA
1961	32,226	36,423	5,639	NA
1962	34,125	36,747	5,835	NA
1963	36,790	36,817	6,039	NA
1964	37,310	37,309	15,859	NA
1965	39,390	35,684	12,908	NA
1966	43,341	43,133	10,899	NA
1967	46,014	41,315	9,924	NA
1968	48,323	42,673	11,204	NA
1969	51,242	49,793	10,972	NA
1970	55,351	52,113	9,864	NA
1971	51,431	79,903	8,286	NA
1972	50,967	89,995	9,358	NA
1973	45,783	93,610	8,796	NA
1974	45,409	92,055	9,088	NA
1975	46,770	84,960	9,578	NA
1976	46,582	88,891	9,994	NA
1977	47,918	99,327	10,359	NA
1978	41,237	114,098	11,154	NA
1979	43,538	123,431	11,953	NA
1980	39,394	138,856	12,928	NA
1981	37,358	141,134	13,551	0
1982	36,490	138,391	14,571	450
1983	33,770	151,300	14,971	849
1984	39,256	186,480	15,271	1,017
1985	35,602	182,245	14,988	1,095
1986	36,441	182,072	13,442	1,161
1987	35,788	166,593	12,153	1,274
1988	34,043	166,690	11,711	1,282
1989	33,700	159,730	10,215	1,213
1990	35,252	154,619	10,008	1,019
1991	30,569	147,651	9,156	1,196
1992	30,403	144,815	9,197	1,068
1993	28,816	137,285	8,282	1,166
1994	29,897	132,151	8,758	1,374
1995	26,118	126,336	8,258	649
1996	28,572	119,251	8,305	0
1997	29,154	116,246	8,593	0
1998	28,048	115,083	6,541	0
1999	22,480	109,509	5,970	0
2000	22,269	105,125	6,575	0
2001	25,400	100,107	6,051	0
2002	21,157	103,158	5,631	0
2003	22,009	93,641	5,658	0
2004	23,222	90,476	5,783	0
2005	24,718	83,523	5,658	39
2006	22,722	86,315	5,439	67
2007	22,575	88,095	5,155	42
2008	26,251	84,858	5,088 R	7,941
2009	27,651	88,824	4,890 R	6,256
2010	26,728	78,122	4,772 R	9,443
2011	28,175	78,858	4,657 R	10,811
2012	26,340	84,482	5,111 R	10,433
2013	25,125	166,017	8,009 R	11,489
2014	22,258	512,371	15,078 R	13,154
2015	17,041	1,007,270	26,701 R	12,849
2016	12,564	1,437,285 R	21,559 R	12,923
2017	9,489	1,772,933	18,942	13,249

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	796.6	36.9	31.3	0.0	NA	37.0	37.0	901.9
1961	756.0	37.3	32.7	0.0	NA	36.4	36.4	862.4
1962	800.6	37.6	33.8	0.0	NA	37.0	37.0	909.0
1963	863.1	37.7	35.0	0.0	NA	38.2	38.2	974.0
1964	875.3	38.2	92.0	0.2	NA	38.0	38.0	1,043.7
1965	924.1	36.5	74.9	0.3	NA	38.7	38.7	1,074.5
1966	1,016.8	44.1	63.2	(s)	NA	41.5	41.5	1,165.7
1967	1,079.5	42.3	57.6	0.0	NA	39.7	39.7	1,219.0
1968	1,133.7	43.7	65.0	0.0	NA	43.5	43.5	1,285.8
1969	1,202.2	50.9	63.6	0.0	NA	44.5	44.5	1,361.2
1970	1,298.6	53.3	57.2	0.0	NA	44.1	44.1	1,453.2
1971	1,206.6	81.7	48.1	0.0	NA	43.5	43.5	1,379.9
1972	1,195.7	92.1	54.3	0.0	NA	44.9	44.9	1,387.0
1973	1,031.7	96.0	51.0	0.0	NA	46.6	46.6	1,225.3
1974	997.0	94.4	52.7	0.0	NA	48.4	48.4	1,192.5
1975	1,019.4	86.9	55.6	0.0	NA	46.3	46.3	1,208.2
1976	1,026.7	91.1	58.0	0.0	NA	52.8	52.8	1,228.6
1977	1,057.7	101.7	60.1	5.0	NA	58.6	58.6	1,283.1
1978	917.6	116.7	64.7	26.5	NA	69.6	69.6	1,195.2
1979	974.0	126.5	69.3	34.4	NA	74.7	74.7	1,278.9
1980	881.3	141.1	75.0	23.1	NA	107.4	107.4	1,227.8
1981	850.0	144.4	78.6	48.6	0.0	112.9	112.9	1,234.5
1982	843.0	142.4	84.5	35.7	2.9	112.2	115.1	1,220.8
1983	790.5	156.5	86.8	53.5	5.4	125.7	131.1	1,218.4
1984	915.4	193.4	88.6	46.8	6.5	121.6	128.1	1,372.2
1985	831.1	190.4	86.9	20.6	6.9	123.7	130.6	1,259.6
1986	855.4	190.6	78.0	0.3	7.3	110.4	117.7	1,241.9
1987	840.1	174.2	70.5	78.4	8.0	114.3	122.3	1,285.5
1988	798.7	173.4	67.9	89.6	8.0	119.6	127.7	1,257.3
1989	787.9	166.5	59.2	134.0	7.6	99.1	106.7	1,254.4
1990	826.3	160.9	58.0	112.8	6.3	68.4	74.7	1,232.8
1991	720.9	154.2	53.1	155.5	7.4	72.8	80.2	1,164.0
1992	720.5	150.2	53.3	155.0	6.6	69.7	76.3	1,155.4
1993	686.2	142.7	48.0	105.2	7.2	46.6	53.8	1,035.8
1994	711.8	137.2	50.8	114.5	8.4	71.5	79.9	1,094.2
1995	621.0	131.3	47.9	176.2	4.0	68.2	72.2	1,048.6
1996	675.1	123.9	48.2	146.2	0.0	79.0	79.0	1,072.3
1997	689.5	121.6	49.8	160.9	0.0	74.2	74.2	1,096.0
1998	659.4	119.8	37.9	172.8	0.0	67.2	67.2	1,057.2
1999	531.3	113.7	34.6	171.6	0.0	74.4	74.4	925.5
2000	528.2	109.7	38.1	175.0	0.0	79.3	79.3	930.4
2001	598.9	104.4	35.1	161.5	0.0	51.1	51.1	951.1
2002	507.9	107.2	32.7	113.5	0.0	38.2	38.2	799.4 R
2003	539.4	97.1	32.8	88.3	0.0	48.0	48.0	805.7
2004	568.6	94.6	33.5	166.3	0.0	51.3	51.3	914.4
2005	606.4	87.2	32.8	154.5	0.2	54.3	54.5	935.4
2006	557.9	89.7	31.5	175.8	0.4	55.0	55.4	910.3
2007	555.7	91.4	29.9	165.3	0.2	56.3	56.6	898.9
2008	638.4	88.3	29.5 R	183.1	46.1	60.5	106.5	1,045.8 R
2009	670.2	92.5	28.4 R	159.0	36.1	58.8	94.9	1,044.9 R
2010	644.9	80.8	27.7	165.2	54.4	67.7 R	122.1 R	1,040.7 R
2011	679.2	81.3	27.0	155.8	62.1	68.8 R	130.9 R	1,074.2 R
2012	642.1	87.4	29.6	179.1	59.7	73.4 R	133.1 R	1,071.4 R
2013	612.3	175.3 R	46.5 R	168.5	65.5	84.1 R	149.7 R	1,152.1 R
2014	541.8	590.6 R	87.5 R	170.3	74.8	84.1 R	158.9 R	1,549.2 R
2015	417.7	1,171.6 R	152.7	181.7	72.8	80.9 R	153.7 R	2,077.3 R
2016	309.1	1,647.2 R	123.4 R	175.9	73.0	78.4 R	151.4 R	2,407.0 R
2017	233.6	1,989.0	108.4	185.0	74.7	79.0	153.6	2,669.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	1,342	824,266	192,913	NA
1961	1,032	892,697	193,081	NA
1962	1,048	1,060,717	202,732	NA
1963	1,008	1,233,883	201,962	NA
1964	1,028	1,323,390	202,524	NA
1965	974	1,320,995	203,441	NA
1966	843	1,351,225	224,839	NA
1967	823	1,412,952	230,749	NA
1968	1,089	1,390,884	223,623	NA
1969	1,838	1,523,715	224,729	NA
1970	2,427	1,594,943	223,574	NA
1971	2,234	1,684,260	213,313	NA
1972	2,624	1,806,887	207,633	NA
1973	2,183	1,770,980	191,204	NA
1974	2,356	1,638,942	177,785	NA
1975	2,872	1,605,410	163,123	NA
1976	3,635	1,726,513	161,426	NA
1977	5,978	1,769,519	156,382	NA
1978	6,070	1,773,582	150,456	NA
1979	4,957	1,835,366	143,642	NA
1980	5,358	1,891,824	150,140	NA
1981	5,786	2,019,199	154,056	0
1982	4,797	1,985,384	158,621	0
1983	3,694	1,779,541	158,604	0
1984	4,640	2,046,339	168,385	0
1985	3,337	1,993,405	162,739	0
1986	3,048	1,971,988	149,105	0
1987	2,870	2,073,461	134,378	0
1988	2,136	2,167,050	128,874	0
1989	1,753	2,237,037	117,493	0
1990	1,698	2,258,471	112,273	0
1991	1,841	2,153,852	108,094	0
1992	1,741	2,017,356	101,807	0
1993	1,758	2,049,942	96,625	0
1994	1,911	1,934,864	90,973	0
1995	1,876	1,811,734	87,490	0
1996	1,701	1,734,887	85,379	0
1997	1,621	1,703,888	83,364	0
1998	1,661	1,669,367	77,578	0
1999	1,661	1,594,002	70,556	0
2000	1,588	1,612,890	69,976	0
2001	1,714	1,615,384	68,531	0
2002	1,406	1,581,606	66,421	0
2003	1,565	1,558,155	64,916	0
2004	1,792	1,655,769	63,977	0
2005	1,856	1,639,310	61,262	0
2006	1,998	1,688,985	64,236	0
2007	1,648	1,783,682	62,901	0
2008	1,463	1,886,710	67,299 R	0
2009	956	1,901,556	65,165 R	0
2010	1,010	1,827,328	68,098 R	0
2011	1,145	1,888,870	77,208 R	0
2012	1,054	2,023,460	94,434 R	0
2013	1,136	1,993,754	115,220 R	0
2014	904	2,331,085	140,086 R	0
2015	780	2,499,599	166,801 R	0
2016	654	2,468,312	155,679 R	0
2017	561	2,513,896	165,920	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	33.9	900.4 R	1,118.9	0.0	NA	17.8	17.8	2,071.0 R
1961	26.1	975.1 R	1,119.9	0.0	NA	20.2	20.2	2,141.3 R
1962	26.5	1,158.7 R	1,175.8	0.0	NA	16.7	16.7	2,377.7 R
1963	25.5	1,347.8 R	1,171.4	0.0	NA	10.6	10.6	2,555.3 R
1964	26.0	1,445.6 R	1,174.6	0.0	NA	11.4	11.4	2,657.6 R
1965	24.6	1,443.0 R	1,180.0	0.0	NA	16.2	16.2	2,663.8 R
1966	21.3	1,476.0 R	1,304.1	0.0	NA	13.1	13.1	2,814.5 R
1967	20.8	1,543.4 R	1,338.3	0.0	NA	14.6	14.6	2,917.2 R
1968	27.5	1,519.3 R	1,297.0	0.0	NA	23.4	23.4	2,867.3 R
1969	46.5	1,664.4 R	1,303.4	0.0	NA	26.9	26.9	3,041.3 R
1970	61.4	1,742.2 R	1,296.7	0.0	NA	21.7	21.7	3,122.0 R
1971	56.5	1,835.6 R	1,237.2	0.0	NA	21.3	21.3	3,150.7 R
1972	66.3	1,963.4 R	1,204.3	0.0	NA	26.7	26.7	3,260.8 R
1973	51.6	1,916.6 R	1,109.0	0.0	NA	50.8	50.8	3,128.0 R
1974	56.3	1,796.5 R	1,031.2	0.0	NA	48.8	48.8	2,932.7 R
1975	68.6	1,728.0 R	946.1	0.0	NA	42.6	42.6	2,785.4 R
1976	87.9	1,837.2 R	936.3	0.0	NA	29.3	29.3	2,890.7 R
1977	143.5	1,907.6 R	907.0	0.0	NA	32.7	32.7	2,990.8 R
1978	144.2	1,912.7 R	872.6	0.0	NA	37.4	37.4	2,967.0 R
1979	118.4	2,002.4 R	833.1	0.0	NA	46.8	46.8	3,000.7 R
1980	128.0	2,075.5 R	870.8	0.0	NA	24.9	24.9	3,099.2 R
1981	133.6	2,234.3 R	893.5	0.0	0.0	23.5	23.5	3,285.0 R
1982	113.7	2,179.9 R	920.0	0.0	0.0	36.2	36.2	3,249.8 R
1983	88.5	2,000.5 R	919.9	0.0	0.0	39.2	39.2	3,048.1 R
1984	112.5	2,251.8 R	976.6	0.0	0.0	39.7	39.7	3,380.6 R
1985	81.7	2,209.5 R	943.9	0.0	0.0	57.0	57.0	3,292.1 R
1986	77.0	2,191.2 R	864.8	0.0	0.0	45.2	45.2	3,178.2 R
1987	72.5	2,308.1 R	779.4	0.0	0.0	46.0	46.0	3,206.0 R
1988	54.0	2,421.7 R	747.5	0.0	0.0	37.1	37.1	3,260.3 R
1989	43.2	2,458.1 R	681.5	0.0	0.0	50.3	50.3	3,233.1 R
1990	42.2	2,481.7 R	651.2	0.0	0.0	49.9	49.9	3,224.9 R
1991	47.8	2,367.8 R	626.9	0.0	0.0	41.2	41.2	3,083.8 R
1992	43.5	2,236.7 R	590.5	0.0	0.0	53.3	53.3	2,923.9 R
1993	42.0	2,267.5 R	560.4	0.0	0.0	68.0	68.0	2,937.9 R
1994	50.8	2,150.7 R	527.6	0.0	0.0	50.1	50.1	2,779.2 R
1995	48.5	2,000.8 R	507.4	0.0	0.0	53.3	53.3	2,609.9 R
1996	44.4	1,931.7 R	495.2	0.0	0.0	51.7	51.7	2,523.0 R
1997	40.6	1,872.0 R	483.5	0.0	0.0	55.2	55.2	2,451.3 R
1998	42.1	1,830.9 R	450.0	0.0	0.0	60.6	60.6	2,383.5 R
1999	42.2	1,769.0 R	409.2	0.0	0.0	55.3	55.3	2,275.7 R
2000	40.7	1,779.8 R	405.9	0.0	0.0	47.4	47.4	2,273.7 R
2001	42.8	1,801.7 R	397.5	0.0	0.0	48.4	48.4	2,290.3 R
2002	33.9	1,756.5 R	385.2	0.0	0.0	40.9	40.9	2,216.5 R
2003	37.4	1,723.7 R	376.5	0.0	0.0	42.0	42.0	2,179.6 R
2004	41.9	1,838.5 R	371.1	0.0	0.0	62.1	62.1	2,313.5 R
2005	39.7	1,824.5 R	355.3	0.0	0.0	61.3	61.3	2,280.8 R
2006	43.1	1,880.5 R	372.6	0.0	0.0	50.3	50.3	2,346.4 R
2007	34.8	1,978.3 R	364.8	0.0	0.0	74.3	74.3	2,452.2 R
2008	29.9	2,099.8 R	390.3 R	0.0	0.0	73.7	73.7	2,593.7 R
2009	18.3	2,124.1 R	378.0 R	0.0	0.0	79.4	79.4	2,599.7 R
2010	17.6	2,067.2 R	395.0 R	0.0	0.0	94.9 R	94.9 R	2,574.6 R
2011	19.1	2,154.0 R	447.8 R	0.0	0.0	99.3 R	99.3 R	2,720.1 R
2012	22.0	2,295.0 R	547.7 R	0.0	0.0	119.6 R	119.6 R	2,984.4 R
2013	25.1	2,282.1 R	668.3 R	0.0	0.0	161.1 R	161.1 R	3,136.5 R
2014	20.6	2,669.3 R	812.5 R	0.0	0.0	159.1 R	159.1 R	3,661.5 R
2015	17.4	2,880.1 R	953.6 R	0.0	0.0	183.7 R	183.7 R	4,034.9 R
2016	14.4	2,864.6 R	890.8 R	0.0	0.0	239.1 R	239.1 R	4,008.9 R
2017	12.6	2,934.2	949.6	0.0	0.0	263.5	263.5	4,159.9

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA
1961	0	0	0	NA
1962	0	0	0	NA
1963	0	0	0	NA
1964	0	0	0	NA
1965	0	0	0	NA
1966	0	0	0	NA
1967	0	0	0	NA
1968	0	0	0	NA
1969	0	0	0	NA
1970	0	0	0	NA
1971	0	0	0	NA
1972	0	0	0	NA
1973	0	0	0	NA
1974	0	0	0	NA
1975	0	0	0	NA
1976	0	0	0	NA
1977	0	0	0	NA
1978	0	0	0	NA
1979	0	2	0	NA
1980	0	5	0	NA
1981	0	5	0	0
1982	0	3	0	0
1983	0	3	0	0
1984	0	2,790	0	0
1985	0	4,080	0	0
1986	0	4,600	0	0
1987	0	3,800	0	0
1988	0	4,000	0	0
1989	0	2,500	0	0
1990	0	2,815	0	0
1991	0	2,741	0	0
1992	0	2,580	0	0
1993	0	4,003	0	0
1994	0	3,221	0	0
1995	0	1,923	0	0
1996	0	1,439	0	0
1997	0	1,173	0	0
1998	0	1,067	0	0
1999	0	1,291	0	0
2000	0	1,214	0	0
2001	0	1,110	0	0
2002	0	837	0	0
2003	0	731	0	0
2004	0	467	0	0
2005	0	454	0	0
2006	0	621	0	0
2007	0	409	0	349
2008	0	778	0	1,782
2009	0	821	0	1,380
2010	0	1,407	0	999
2011	0	1,344	0	978
2012	0	770	0	950
2013	0	770	0	998
2014	0	1,142	0	1,021
2015	0	848	0	998
2016	0	801 R	0	1,019
2017	0	659	0	1,015

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	190.5	190.5	190.5
1961	0.0	0.0	0.0	0.0	NA	188.9	188.9	188.9
1962	0.0	0.0	0.0	0.0	NA	197.6	197.6	197.6
1963	0.0	0.0	0.0	0.0	NA	199.2	199.2	199.2
1964	0.0	0.0	0.0	0.0	NA	215.8	215.8	215.8
1965	0.0	0.0	0.0	0.0	NA	230.4	230.4	230.4
1966	0.0	0.0	0.0	0.0	NA	232.6	232.6	232.6
1967	0.0	0.0	0.0	0.0	NA	243.1	243.1	243.1
1968	0.0	0.0	0.0	0.0	NA	271.7	271.7	271.7
1969	0.0	0.0	0.0	0.0	NA	350.2	350.2	350.2
1970	0.0	0.0	0.0	0.0	NA	371.4	371.4	371.4
1971	0.0	0.0	0.0	0.0	NA	419.3	419.3	419.3
1972	0.0	0.0	0.0	0.0	NA	435.9	435.9	435.9
1973	0.0	0.0	0.0	0.0	NA	351.0	351.0	351.0
1974	0.0	0.0	0.0	0.0	NA	432.9	432.9	432.9
1975	0.0	0.0	0.0	(s)	NA	417.4	417.4	417.4
1976	0.0	0.0	0.0	23.2	NA	434.4	434.4	457.6
1977	0.0	0.0	0.0	69.9	NA	327.8	327.8	397.7
1978	0.0	0.0	0.0	17.1	NA	408.6	408.6	425.8
1979	0.0	(s)	0.0	48.9	NA	387.3	387.3	436.2
1980	0.0	(s)	0.0	58.8	NA	401.1	401.1	460.0
1981	0.0	(s)	0.0	70.9	0.0	428.8	428.8	499.7
1982	0.0	(s)	0.0	53.1	0.0	561.1	561.1	614.2
1983	0.0	(s)	0.0	40.2	0.0	574.2	574.2	614.4
1984	0.0	2.9	0.0	51.3	0.0	590.5	590.5	644.8
1985	0.0	4.2	0.0	73.4	0.0	529.6	529.6	607.2
1986	0.0	4.7	0.0	74.9	0.0	532.7	532.7	612.4
1987	0.0	3.9	0.0	45.4	0.0	477.1	477.1	526.4
1988	0.0	4.1	0.0	67.2	0.0	470.6	470.6	541.9
1989	0.0	2.6	0.0	56.1	0.0	481.7	481.7	540.3
1990	0.0	2.9	0.0	64.3	0.0	487.4	487.4	554.6
1991	0.0	2.8	0.0	15.4	0.0	484.6	484.6	502.8
1992	0.0	2.7	0.0	47.9	0.0	374.2	374.2	424.8
1993	0.0	4.2	0.0	(s)	0.0	414.2	414.2	418.1
1994	0.0	3.4	0.0	0.0	0.0	368.0	368.0	371.3
1995	0.0	2.0	0.0	0.0	0.0	467.2	467.2	469.2
1996	0.0	1.5	0.0	0.0	0.0	517.5	517.5	518.9
1997	0.0	1.2	0.0	0.0	0.0	530.6	530.6	531.8
1998	0.0	1.1	0.0	0.0	0.0	454.3	454.3	455.5
1999	0.0	1.4	0.0	0.0	0.0	509.8	509.8	511.2
2000	0.0	1.2	0.0	0.0	0.0	436.7	436.7	437.9
2001	0.0	1.1	0.0	0.0	0.0	349.9	349.9	351.1
2002	0.0	0.9	0.0	0.0	0.0	400.6	400.6	401.5
2003	0.0	0.7	0.0	0.0	0.0	384.5	384.5	385.2
2004	0.0	0.5	0.0	0.0	0.0	384.6	384.6	385.1
2005	0.0	0.5	0.0	0.0	0.0	364.1	364.1	364.5
2006	0.0	0.6	0.0	0.0	0.0	433.0	433.0	433.7
2007	0.0	0.4	0.0	0.0	2.0	394.9	396.9	397.3
2008	0.0	0.8	0.0	0.0	10.3	404.1	414.5	415.3
2009	0.0	0.8	0.0	0.0	8.0	407.7	415.6	416.5
2010	0.0	1.4	0.0	0.0	5.8	393.8 R	399.6 R	401.0 R
2011	0.0	1.4	0.0	0.0	5.6	512.6 R	518.2 R	519.6 R
2012	0.0	0.8	0.0	0.0	5.4	493.9 R	499.3 R	500.1 R
2013	0.0	0.8	0.0	0.0	5.7	457.3 R	463.0 R	463.8 R
2014	0.0	1.2	0.0	0.0	5.8	478.4 R	484.2 R	485.3 R
2015	0.0	0.9	0.0	0.0	5.7	432.4 R	438.0 R	438.9 R
2016	0.0	0.8 R	0.0	0.0	5.8	461.7 R	467.5 R	468.3 R
2017	0.0	0.7	0.0	0.0	5.7	488.8	494.6	495.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	84,242	113,928	6,009	NA
1961	80,098	100,427	5,643	NA
1962	82,209	90,053	5,302	NA
1963	89,768	92,657	5,083	NA
1964	93,715	82,166	5,113	NA
1965	95,174	84,461	4,922	NA
1966	94,384	90,914	4,337	NA
1967	91,668	89,966	4,387	NA
1968	87,661	87,987	4,160	NA
1969	89,104	79,134	4,448	NA
1970	90,220	76,841	4,093	NA
1971	81,562	76,451	3,798	NA
1972	83,045	73,958	3,441	NA
1973	83,233	78,514	3,282	NA
1974	87,079	82,637	3,478	NA
1975	90,340	84,676	3,264	NA
1976	92,005	89,386	3,019	NA
1977	90,500	91,717	2,715	NA
1978	86,514	97,763	2,887	NA
1979	94,062	96,313	2,874	NA
1980	93,125	97,439	2,651	NA
1981	83,506	122,454	3,729	0
1982	79,359	121,111	4,282	0
1983	69,828	118,372	4,282	0
1984	77,494	166,342	4,284	0
1985	71,408	150,234	4,851	0
1986	71,648	159,889	3,783	0
1987	70,423	163,318	3,302	0
1988	70,645	167,089	2,830	0
1989	70,596	191,774	2,698	0
1990	70,514	177,609	2,641	0
1991	65,381	152,500	2,531	0
1992	68,981	138,675	2,137	0
1993	59,700	132,130	2,036	0
1994	62,237	120,506	2,518	0
1995	61,576	111,000	1,939	0
1996	67,942	135,000	1,692	0
1997	76,198	80,000	1,321	0
1998	81,036	130,317	1,980	0
1999	76,399	174,701	1,471	0
2000	74,619	150,000	1,500	0
2001	74,784	130,853	1,620	0
2002	68,471	157,800	2,324	0
2003	63,792	159,827	2,466	0
2004	66,023	197,217	2,396	0
2005	67,556	168,501	2,460	0
2006	66,178	175,950	2,589	0
2007	65,190	182,277	2,788	0
2008	65,455	198,295	2,999	0
2009	59,143	273,869	2,967	0
2010	58,964	572,902	3,238	2,518
2011	59,899	1,310,592	3,431 R	2,690
2012	55,506	2,256,696	4,319 R	2,547
2013	55,161	3,259,042	5,307	2,677
2014	61,877	4,257,693	6,849 R	2,740
2015	50,872	4,812,983	7,085 R	2,677
2016	45,885	5,210,208 R	6,306	2,675
2017	49,131	5,463,888	6,573	2,660

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	2,169.8	117.9	34.9	2.7	NA	66.1	66.1	2,391.3
1961	2,060.4	103.9	32.7	3.5	NA	61.1	61.1	2,261.6 R
1962	2,112.2	93.2	30.8	3.7	NA	61.8	61.8	2,301.6 R
1963	2,308.1	95.9	29.5	4.2	NA	60.8	60.8	2,498.5
1964	2,413.8	85.0	29.7	0.3	NA	60.6	60.6	2,589.3
1965	2,453.6	87.4	28.5	3.7	NA	61.3	61.3	2,634.5
1966	2,432.4	94.1	25.2	6.1	NA	63.7	63.7	2,621.4
1967	2,361.8	93.1	25.4	7.0	NA	68.3	68.3	2,555.5
1968	2,257.7	91.0	24.1	5.3	NA	62.9	62.9	2,441.0
1969	2,303.5	81.9	25.8	4.6	NA	61.8	61.8	2,477.6
1970	2,358.0	79.5	23.7	5.1	NA	67.5	67.5	2,533.8
1971	2,127.4	79.1	22.0	4.8	NA	60.6	60.6	2,293.9
1972	2,164.6	76.5	20.0	3.1	NA	70.1	70.1	2,334.3
1973	2,096.9	81.4 R	19.0	3.9	NA	70.9	70.9	2,272.2
1974	2,150.2	84.7 R	20.2	78.1	NA	72.1	72.1	2,405.3
1975	2,246.1	86.9	18.9	174.8	NA	73.9	73.9	2,600.5
1976	2,321.3	91.7	17.5	181.4	NA	81.2	81.2	2,693.1
1977	2,270.6	93.7	15.7	191.9	NA	84.3	84.3	2,656.3
1978	2,172.5	100.0	16.7	244.3	NA	90.5	90.5	2,624.0
1979	2,390.8	98.4	16.7	204.5	NA	106.8	106.8	2,817.1
1980	2,370.5	99.7	15.4	131.9	NA	136.8	136.8	2,754.2 R
1981	2,138.8	125.2	21.6	157.5	0.0	147.7	147.7	2,590.7
1982	2,029.3	124.6	24.8	182.4	0.0	149.6	149.6	2,510.7
1983	1,785.2	121.9	24.8	160.5	0.0	167.1	167.1	2,259.5
1984	1,983.2	172.1	24.8	233.8	0.0	152.0	152.0	2,566.0
1985	1,833.0	155.6	28.1	278.6	0.0	148.2	148.2	2,443.6
1986	1,842.5	166.0	21.9	421.3	0.0	117.2	117.2	2,568.9
1987	1,807.2	169.7	19.2	365.3	0.0	108.0	108.0	2,469.4
1988	1,825.3	173.6	16.4	401.4	0.0	108.2	108.2	2,524.9
1989	1,822.9	199.3	15.6	414.5	0.0	98.1	98.1	2,550.4
1990	1,831.4	184.7	15.3	611.5	0.0	91.9	91.9	2,734.8
1991	1,701.6	158.5	14.7	602.6	0.0	90.2	90.2	2,567.6
1992	1,812.8	144.7	12.4	629.7	0.0	107.6	107.6	2,707.1
1993	1,553.1	137.8 R	11.8	623.2	0.0	104.8	104.8	2,430.8
1994	1,621.5	125.6 R	14.6	702.4	0.0	112.1	112.1	2,576.3
1995	1,602.2	115.8	11.2	698.3	0.0	113.3	113.3	2,540.9
1996	1,766.8	140.5	9.8	721.3	0.0	131.1	131.1	2,769.5
1997	1,982.9	83.9	7.7	710.0	0.0	114.7	114.7	2,899.1
1998	2,133.5	136.1	11.5	641.5	0.0	110.5	110.5	3,033.2
1999	1,994.7	182.3 R	8.5	743.3	0.0	109.2	109.2	3,038.1
2000	1,946.5	156.1 R	8.7	769.4	0.0	113.6	113.6	2,994.3
2001	1,929.6	139.0 R	9.4	770.0	0.0	95.7	95.7	2,943.7 R
2002	1,734.2	164.6	13.5	794.5	0.0	96.6	96.6	2,803.4
2003	1,599.2	167.3 R	14.3	775.0	0.0	109.9	109.9	2,665.8
2004	1,600.3	206.1	13.9	807.7	0.0	110.4	110.4	2,738.4
2005	1,607.8	176.6 R	14.3	796.2	0.0	104.2	104.2	2,699.0
2006	1,583.2	184.1	15.0	785.7	0.0	107.2	107.2	2,675.2
2007	1,557.0	190.6	16.2	811.6	0.0	105.2	105.2	2,680.5
2008	1,592.0	207.6	17.4	822.1	0.0	114.9	114.9	2,754.0
2009	1,439.9	286.3 R	17.2	808.8	0.0	126.3	126.3	2,678.4
2010	1,485.8	600.9 R	18.8	813.5	14.5	143.9 R	158.4 R	3,077.3 R
2011	1,511.5	1,374.5 R	19.9	796.8	15.4	164.7 R	180.1 R	3,882.8 R
2012	1,390.6	2,369.0 R	25.1	787.8	14.6	152.6 R	167.2 R	4,739.6 R
2013	1,379.3	3,452.9 R	30.8	822.5	15.3	181.8 R	197.1 R	5,882.5 R
2014	1,566.4	4,521.3 R	39.7	823.3	15.6	180.3 R	195.9 R	7,146.7 R
2015	1,278.1	5,119.8 R	40.5 R	842.0	15.2	184.3 R	199.5 R	7,479.9 R
2016	1,168.6	5,525.7 R	36.1	867.3	15.1	178.1 R	193.2 R	7,791.0 R
2017	1,260.5	5,798.2	37.6	870.2	15.0	186.5	201.5	8,168.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	3.0	3.0	3.0
1961	0.0	0.0	0.0	0.0	NA	3.0	3.0	3.0
1962	0.0	0.0	0.0	0.0	NA	3.1	3.1	3.1
1963	0.0	0.0	0.0	0.0	NA	3.2	3.2	3.2
1964	0.0	0.0	0.0	0.0	NA	3.5	3.5	3.5
1965	0.0	0.0	0.0	0.0	NA	3.6	3.6	3.6
1966	0.0	0.0	0.0	0.0	NA	3.8	3.8	3.8
1967	0.0	0.0	0.0	0.0	NA	4.2	4.2	4.2
1968	0.0	0.0	0.0	0.0	NA	4.3	4.3	4.3
1969	0.0	0.0	0.0	0.0	NA	4.4	4.4	4.4
1970	0.0	0.0	0.0	0.0	NA	5.3	5.3	5.3
1971	0.0	0.0	0.0	0.0	NA	4.9	4.9	4.9
1972	0.0	0.0	0.0	0.0	NA	4.9	4.9	4.9
1973	0.0	0.0	0.0	0.0	NA	5.1	5.1	5.1
1974	0.0	0.0	0.0	0.0	NA	5.0	5.0	5.0
1975	0.0	0.0	0.0	0.0	NA	4.1	4.1	4.1
1976	0.0	0.0	0.0	0.0	NA	4.7	4.7	4.7
1977	0.0	0.0	0.0	0.0	NA	5.3	5.3	5.3
1978	0.0	0.0	0.0	0.0	NA	6.6	6.6	6.6
1979	0.0	0.0	0.0	0.0	NA	7.1	7.1	7.1
1980	0.0	0.0	0.0	0.0	NA	7.3	7.3	7.3
1981	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6
1982	0.0	0.0	0.0	0.0	0.0	6.1	6.1	6.1
1983	0.0	0.0	0.0	0.0	0.0	7.4	7.4	7.4
1984	0.0	0.0	0.0	0.0	0.0	4.9	4.9	4.9
1985	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1
1986	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7
1987	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
1988	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5
1989	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
1990	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.5
1991	0.0	0.0	0.0	0.0	0.0	4.6	4.6	4.6
1992	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8
1993	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2
1994	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1
1995	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1
1996	0.0	0.0	0.0	0.0	0.0	5.6	5.6	5.6
1997	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3
1998	0.0	0.0	0.0	0.0	0.0	4.2	4.2	4.2
1999	0.0	0.0	0.0	0.0	0.0	4.4	4.4	4.4
2000	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.5
2001	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9
2002	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7
2003	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
2004	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
2005	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
2006	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
2007	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
2008	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
2009	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5
2010	0.0	0.0	0.0	0.0	0.0	3.7 R	3.7 R	3.7 R
2011	0.0	0.0	0.0	0.0	0.0	3.7 R	3.7 R	3.7 R
2012	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
2013	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
2014	0.0	0.0	0.0	0.0	0.0	4.4	4.4	4.4
2015	0.0	0.0	0.0	0.0	0.0	4.8 R	4.8 R	4.8 R
2016	0.0	0.0	0.0	0.0	0.0	4.6 R	4.6 R	4.6 R
2017	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	82.0	82.0	82.0
1961	0.0	0.0	0.0	0.0	NA	76.3	76.3	76.3
1962	0.0	0.0	0.0	0.0	NA	73.5	73.5	73.5
1963	0.0	0.0	0.0	0.0	NA	69.8	69.8	69.8
1964	0.0	0.0	0.0	0.5	NA	87.6	87.6	88.0
1965	0.0	0.0	0.0	0.9	NA	77.3	77.3	78.2
1966	0.0	0.0	0.0	0.9	NA	67.7	67.7	68.6
1967	0.0	0.0	0.0	0.1	NA	66.2	66.2	66.3
1968	0.0	0.0	0.0	0.0	NA	69.4	69.4	69.4
1969	0.0	0.0	0.0	0.0	NA	73.3	73.3	73.3
1970	0.0	0.0	0.0	0.1	NA	65.1	65.1	65.1
1971	0.0	0.0	0.0	26.2	NA	78.6	78.6	104.7
1972	0.0	0.0	0.0	52.1	NA	77.1	77.1	129.2
1973	0.0	0.0	0.0	67.2	NA	83.9	83.9	151.1
1974	0.0	0.0	0.0	123.4	NA	79.9	79.9	203.3
1975	0.0	0.0	0.0	214.3	NA	87.8	87.8	302.1
1976	0.0	0.0	0.0	197.2	NA	83.4	83.4	280.5
1977	0.0	0.0	0.0	185.6	NA	80.9	80.9	266.5
1978	0.0	0.0	0.0	212.9	NA	83.9	83.9	296.7
1979	0.0	0.0	0.0	198.2	NA	91.5	91.5	289.7
1980	0.0	0.0	0.0	189.8	NA	71.2	71.2	261.0
1981	0.0	0.0	0.0	191.1	0.0	52.2	52.2	243.3
1982	0.0	0.0	0.0	145.7	0.0	69.1	69.1	214.8
1983	0.0	0.0	0.0	279.0	0.0	75.4	75.4	354.4
1984	0.0	0.0	0.0	251.9	0.0	80.3	80.3	332.2
1985	0.0	0.0	0.0	338.1	0.0	66.6	66.6	404.7
1986	0.0	0.0	0.0	376.9	0.0	89.8	89.8	466.7
1987	0.0	0.0	0.0	410.3	0.0	95.7	95.7	505.9
1988	0.0	0.0	0.0	432.0	0.0	82.4	82.4	514.4
1989	0.0	0.0	0.0	431.6	0.0	97.1	97.1	528.6
1990	0.0	0.0	0.0	453.8	0.0	106.1	106.1	559.9
1991	0.0	0.0	0.0	451.9	0.0	107.7	107.7	559.6
1992	0.0	0.0	0.0	476.8	0.0	110.6	110.6	587.5
1993	0.0	0.0	0.0	485.2	0.0	110.2	110.2	595.4
1994	0.0	0.0	0.0	464.8	0.0	114.6	114.6	579.4
1995	0.0	0.0	0.0	516.7	0.0	124.7	124.7	641.4
1996	0.0	0.0	0.0	457.6	0.0	131.8	131.8	589.4
1997	0.0	0.0	0.0	471.3	0.0	132.0	132.0	603.3
1998	0.0	0.0	0.0	511.5	0.0	130.0	130.0	641.5
1999	0.0	0.0	0.0	531.0	0.0	97.0	97.0	628.0
2000	0.0	0.0	0.0	530.7	0.0	92.5	92.5	623.2
2001	0.0	0.0	0.0	520.8	0.0	70.6	70.6	591.4
2002	0.0	0.0	0.0	556.8	0.0	80.6	80.6	637.5
2003	0.0	0.0	0.0	525.5	0.0	103.8	103.8	629.2
2004	0.0	0.0	0.0	533.9	0.0	97.4	97.4	631.4
2005	0.0	0.0	0.0	554.5	0.0	104.2	104.2	658.7
2006	0.0	0.0	0.0	530.1	0.0	98.6	98.6	628.7
2007	0.0	0.0	0.0	558.0	0.0	95.0	95.0	653.0
2008	0.0	0.0	0.0	541.0	0.0	92.0	92.0	633.0
2009	0.0	0.0	0.0	545.4	0.0	103.0	103.0	648.4
2010	0.0	0.0	0.0	543.4	0.0	115.3 R	115.3 R	658.7 R
2011	0.0	0.0	0.0	553.6	0.0	116.4 R	116.4 R	669.9 R
2012	0.0	0.0	0.0	536.0	0.0	118.0 R	118.0 R	654.0 R
2013	0.0	0.0	0.0	566.9	0.0	134.0	134.0	700.8 R
2014	0.0	0.0	0.0	548.2	0.0	136.7 R	136.7 R	684.9 R
2015	0.0	0.0	0.0	555.9	0.0	128.3 R	128.3 R	684.2 R
2016	0.0	0.0	0.0	583.9	0.0	131.1 R	131.1 R	714.9 R
2017	0.0	0.0	0.0	568.4	0.0	130.2	130.2	698.6

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	20	0	281	NA
1961	18	0	233	NA
1962	0	0	169	NA
1963	0	0	215	NA
1964	0	0	247	NA
1965	0	0	219	NA
1966	0	0	239	NA
1967	0	0	211	NA
1968	0	0	187	NA
1969	0	0	158	NA
1970	0	0	160	NA
1971	0	0	233	NA
1972	0	0	219	NA
1973	0	0	275	NA
1974	0	0	494	NA
1975	0	0	472	NA
1976	0	0	447	NA
1977	0	0	632	NA
1978	0	0	869	NA
1979	0	914	846	NA
1980	0	1,193	765	NA
1981	0	1,155	973	0
1982	0	2,331	1,158	0
1983	0	1,846	1,172	0
1984	0	1,947	1,340	0
1985	0	2,558	1,596	0
1986	0	2,231	1,586	0
1987	0	3,431	1,644	0
1988	0	3,920	1,657	179
1989	0	4,369	1,612	179
1990	0	881	1,648	179
1991	0	882	1,662	179
1992	0	1,456	1,557	179
1993	0	1,306	1,500	195
1994	0	1,437	1,453	308
1995	0	1,252	1,344	308
1996	0	1,329	1,257	308
1997	0	1,598	1,335	282
1998	0	1,620	1,206	350
1999	0	1,566	1,100	366
2000	0	1,652	1,170	390
2001	0	1,100	1,255	590
2002	0	1,025	1,214	1,438
2003	0	1,103	1,237	3,593
2004	0	1,093	1,357	7,338
2005	0	992	1,394	9,987
2006	0	963	1,390	13,143
2007	0	995	1,664	14,163
2008	0	1,644	1,700	18,995
2009	0	2,129	1,664	22,218
2010	0	1,862	1,607	25,370
2011	0	1,848	1,634	24,850
2012	0	15,085	1,754	23,498
2013	0	16,205	1,850	24,625
2014	0	15,305	1,798	25,237
2015	0	552	1,666	25,461
2016	0	455 R	1,407	25,365
2017	0	476	1,305	25,806

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.3	0.0	1.6	0.0	NA	14.0	14.0	15.9
1961	0.2	0.0	1.4	0.0	NA	13.6	13.6	15.2
1962	0.0	0.0	1.0	0.0	NA	17.3	17.3	18.2
1963	0.0	0.0	1.2	0.0	NA	31.8	31.8	33.0
1964	0.0	0.0	1.4	0.0	NA	33.6	33.6	35.1
1965	0.0	0.0	1.3	0.0	NA	41.6	41.6	42.9
1966	0.0	0.0	1.4	0.1	NA	51.6	51.6	53.1
1967	0.0	0.0	1.2	0.8	NA	52.6	52.6	54.6
1968	0.0	0.0	1.1	(s)	NA	59.9	59.9	60.9
1969	0.0	0.0	0.9	0.0	NA	67.4	67.4	68.3
1970	0.0	0.0	0.9	0.0	NA	70.2	70.2	71.1
1971	0.0	0.0	1.4	0.0	NA	82.6	82.6	83.9
1972	0.0	0.0	1.3	0.0	NA	78.3	78.3	79.6
1973	0.0	0.0	1.6	0.0	NA	51.5	51.5	53.1
1974	0.0	0.0	2.9	0.0	NA	60.4	60.4	63.3
1975	0.0	0.0	2.7	0.0	NA	84.0	84.0	86.7
1976	0.0	0.0	2.6	0.0	NA	74.8	74.8	77.4
1977	0.0	0.0	3.7	0.0	NA	57.1	57.1	60.8
1978	0.0	0.0	5.0	0.0	NA	72.8	72.8	77.8
1979	0.0	0.9	4.9	0.0	NA	67.8	67.8	73.6
1980	0.0	1.2	4.4	0.0	NA	63.8	63.8	69.4
1981	0.0	1.2	5.6	0.0	0.0	58.6	58.6	65.4
1982	0.0	2.3	6.7	0.0	0.0	60.3	60.3	69.3
1983	0.0	1.9	6.8	0.0	0.0	61.6	61.6	70.2
1984	0.0	2.0	7.8	0.0	0.0	63.8	63.8	73.5
1985	0.0	2.6	9.3	0.0	0.0	59.8	59.8	71.7
1986	0.0	2.2	9.2	0.0	0.0	64.0	64.0	75.4
1987	0.0	3.5	9.5	0.0	0.0	59.7	59.7	72.7
1988	0.0	4.0	9.6	0.0	1.1	58.4	59.5	73.1
1989	0.0	4.4	9.4	0.0	1.1	51.2	52.3	66.1
1990	0.0	0.9	9.6	0.0	1.1	43.3	44.4	54.9
1991	0.0	0.9	9.6	0.0	1.1	42.5	43.6	54.1
1992	0.0	1.5	9.0	0.0	1.1	40.0	41.1	51.6
1993	0.0	1.3	8.7	0.0	1.2	29.0	30.2	40.3
1994	0.0	1.5	8.4	0.0	1.9	55.2	57.1	67.0
1995	0.0	1.3	7.8	0.0	1.9	64.3	66.2	75.3
1996	0.0	1.3	7.3	0.0	1.9	85.0	86.8	95.5
1997	0.0	1.6	7.7	0.0	1.7	94.2	95.9	105.3
1998	0.0	1.6	7.0	0.0	2.1	60.7	62.8	71.5
1999	0.0	1.6	6.4	0.0	2.2	70.4	72.6	80.6
2000	0.0	1.7	6.8	0.0	2.4	60.5	62.9	71.3
2001	0.0	1.1	7.3	0.0	3.6	37.8	41.3	49.7
2002	0.0	1.0	7.0	0.0	8.7	46.5	55.2	63.3
2003	0.0	1.1	7.2	0.0	21.5	46.1	67.6	75.9
2004	0.0	1.1	7.9	0.0	43.6	40.1	83.8	92.7
2005	0.0	1.0	8.1	0.0	59.0	34.7	93.7	102.8
2006	0.0	1.0	8.1	0.0	77.2	37.5	114.7	123.7
2007	0.0	1.0	9.7	0.0	82.7	32.8	115.5	126.1
2008	0.0	1.6	9.9	0.0	110.2	34.1	144.3	155.8
2009	0.0	2.1	9.7	0.0	128.2	51.1	179.3	191.1
2010	0.0	1.9	9.3	0.0	146.1	68.5 R	214.7 R	225.8 R
2011	0.0	1.9	9.5	0.0	142.7	94.7 R	237.4 R	248.7 R
2012	0.0	15.4	10.2	0.0	134.5	83.5 R	217.9 R	243.5 R
2013	0.0	16.8	10.7	0.0	140.4	69.1	209.5	237.0
2014	0.0	16.0	10.4	0.0	143.5	79.2	222.7	249.1
2015	0.0	0.6	9.5	0.0	144.3	73.3 R	217.6 R	227.8 R
2016	0.0	0.5	8.1	0.0	143.2	83.2 R	226.4 R	235.0 R
2017	0.0	0.5	7.5	0.0	145.4	80.2	225.6	233.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	5,930	63	20	NA
1961	5,860	71	17	NA
1962	6,214	75	14	NA
1963	6,121	90	16	NA
1964	5,990	77	10	NA
1965	5,865	85	11	NA
1966	6,309	0	7	NA
1967	6,832	58	7	NA
1968	8,148	48	6	NA
1969	8,082	57	32	NA
1970	8,237	64	309	NA
1971	9,271	89	398	NA
1972	11,260	25	198	NA
1973	8,219	20	201	NA
1974	7,541	17	769	NA
1975	8,206	27	682	NA
1976	9,283	47	598	NA
1977	9,433	263	820	NA
1978	10,032	468	593	NA
1979	8,679	941	614	NA
1980	9,900	1,241	743	NA
1981	10,545	1,719	918	0
1982	7,450	2,976	1,132	75
1983	6,640	3,950	1,056	566
1984	7,313	5,022	920	804
1985	7,446	4,686	786	866
1986	6,870	3,464	644	918
1987	6,442	2,707	614	1,007
1988	6,510	2,100	601	1,014
1989	6,480	1,900	532	959
1990	6,193	2,067	506	806
1991	4,290	1,856	485	946
1992	3,476	1,770	501	845
1993	3,047	1,660	419	922
1994	2,987	1,990	417	884
1995	3,221	1,820	383	870
1996	3,651	1,690	381	365
1997	3,300	1,510	367	659
1998	2,696	1,420	287	792
1999	3,037	1,230	344	747
2000	2,669	1,150	346	911
2001	3,324	2,000	351	1,015
2002	3,166	2,050	275	1,403
2003	2,564	1,803	311	1,675
2004	2,887	2,100	361	1,548
2005	3,217	2,200	324	1,488
2006	2,804	2,663	192	1,501
2007	2,654	3,942	284	1,605
2008	2,333	4,700	338	1,962
2009	1,996	5,478	268	4,072
2010	1,780	5,144	257	4,472
2011	1,547	4,851	296	5,405
2012	1,090	5,825	371	5,211
2013	1,098	5,400	334	5,475
2014	839	5,294	330	5,605
2015	897	4,276	296	5,475
2016	644	3,603	257	5,472
2017	431	2,982	271	5,440

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	148.9	0.1	0.1	0.0	NA	138.7	138.7	287.8
1961	147.2	0.1	0.1	0.0	NA	136.7	136.7	284.0
1962	156.0	0.1	0.1	0.0	NA	145.1	145.1	301.3
1963	153.7	0.1	0.1	0.0	NA	127.0	127.0	280.9
1964	150.4	0.1	0.1	0.0	NA	141.6	141.6	292.1
1965	147.3	0.1	0.1	0.0	NA	138.0	138.0	285.4
1966	158.4	0.0	(s)	0.0	NA	128.6	128.6	287.1
1967	171.6	0.1	(s)	0.0	NA	147.3	147.3	319.0
1968	204.6	(s)	(s)	0.0	NA	132.0	132.0	336.7
1969	203.0	0.1	0.2	0.0	NA	131.9	131.9	335.1
1970	206.8	0.1	1.8	0.0	NA	138.4	138.4	347.1
1971	232.8	0.1	2.3	0.0	NA	153.1	153.1	388.3
1972	282.8	(s)	1.1	0.0	NA	173.1	173.1	457.0
1973	197.0	(s)	1.2	0.0	NA	177.9	177.9	376.1
1974	174.8	(s)	4.5	0.0	NA	180.4	180.4	359.7
1975	189.8	(s)	4.0	0.0	NA	177.3	177.3	371.1
1976	221.5	(s)	3.5	0.0	NA	160.1	160.1	385.0
1977	221.4	0.3	4.8	0.0	NA	176.2	176.2	402.7
1978	236.7	0.5	3.4	0.0	NA	163.0	163.0	403.7
1979	209.5	1.0	3.6	0.0	NA	207.3	207.3	421.3
1980	239.0	1.3	4.3	5.7	NA	160.4	160.4	410.6
1981	258.1	1.7	5.3	51.9	0.0	136.6	136.6	453.7
1982	183.9	3.0	6.6	111.9	0.5	183.9	184.4	489.8
1983	166.0	4.0	6.1	153.2	3.6	186.8	190.4	519.8
1984	183.3	5.1	5.3	135.6	5.1	198.7	203.8	533.1
1985	185.2	4.8	4.6	102.7	5.5	161.5	167.0	464.3
1986	171.6	3.6	3.7	(s)	5.8	150.9	156.7	334.5
1987	160.9	2.8	3.6	(s)	6.3	169.2	175.6	341.7
1988	163.5	2.2	3.5	41.8	6.4	142.7	149.0	359.9
1989	162.6	2.0	3.1	165.1	6.0	199.6	205.6	538.4
1990	156.3	2.1	2.9	148.2	5.0	160.8	165.8	475.4
1991	108.0	1.9	2.8	173.9	5.9	174.5	180.4	467.0
1992	88.1	1.8	2.9	163.9	5.2	164.9	170.1	426.8
1993	77.5	1.7	2.4	34.7	5.7	147.5	153.2	269.5
1994	76.2	2.1	2.4	124.7	5.4	180.8	186.2	391.6
1995	82.1	1.9	2.2	165.0	5.3	159.8	165.1	416.4
1996	91.4	1.7	2.2	240.8	2.2	174.6	176.9	512.9
1997	82.7	1.6	2.1	258.7	4.0	160.1	164.1	509.1
1998	67.0	1.5	1.7	297.8	4.8	156.8	161.6	529.6
1999	75.9	1.3	2.0	284.5	4.5	129.9	134.4	498.1
2000	68.0	1.2	2.0	269.3	5.5	118.2	123.7	464.2
2001	84.8	2.1	2.0	298.4	6.1	136.2	142.3	529.7
2002	81.7	2.1	1.6	287.9	8.4	144.8	153.2	526.5
2003	65.6	1.9	1.8	251.7	10.0	180.0	190.0	511.0
2004	73.4	2.2	2.1	298.4	9.2	176.0	185.2	561.2
2005	82.1	2.3	1.9	290.2	8.8	158.3	167.1	543.5
2006	72.0	2.8	1.1	257.5	8.8	134.7	143.5	476.9
2007	67.7	4.1	1.6	301.0	9.4	105.9	115.3	489.8
2008	59.1	4.9	2.0	282.5	11.4	122.5	133.9	482.4
2009	50.3	5.6	1.6	282.0	23.5	155.6	179.1	518.6
2010	45.0	6.0	1.5	289.9	25.8	142.7 R	168.5 R	510.9 R
2011	38.6	5.6 R	1.7	281.7	31.0	153.6 R	184.7 R	512.3 R
2012	28.4	6.6 R	2.2	263.0	29.8	143.3 R	173.1 R	473.3 R
2013	28.4	6.2 R	1.9	297.7	31.2	185.6 R	216.8 R	551.1 R
2014	21.7	6.0	1.9	289.4	31.9	154.3 R	186.2 R	505.3 R
2015	23.2	5.0	1.7	261.0	31.0	158.2 R	189.2 R	480.1 R
2016	16.6	4.2	1.5	309.4	30.9	128.7 R	159.6 R	491.2 R
2017	11.2	3.5	1.6	332.8	30.7	145.6	176.3	525.3

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	2,098	5,892,704	927,479	NA
1961	2,108	5,963,605	939,191	NA
1962	2,054	6,080,204	943,323	NA
1963	2,180	6,204,853	977,782	NA
1964	2,291	6,525,626	989,520	NA
1965	2,411	6,636,515	1,000,743	NA
1966	2,253	6,913,646	1,056,499	NA
1967	2,153	7,081,374	1,117,319	NA
1968	2,291	7,381,875	1,130,276	NA
1969	2,249	7,724,139	1,148,991	NA
1970	2,310	8,222,947	1,247,486	NA
1971	2,253	8,421,288	1,221,211	NA
1972	4,045	8,504,468	1,299,926	NA
1973	6,944	8,358,520	1,293,084	NA
1974	7,684	8,027,579	1,260,748	NA
1975	11,002	7,377,637	1,220,909	NA
1976	14,063	7,094,881	1,188,150	NA
1977	15,865	6,962,769	1,136,985	NA
1978	20,020	6,298,929	1,072,005	NA
1979	27,180	6,620,547	1,014,716	NA
1980	29,354	6,419,708	968,158	NA
1981	32,814	6,134,670	932,350	1
1982	34,818	5,593,613	908,217	4
1983	38,947	5,093,850	882,911	7
1984	41,145	5,275,243	883,174	9
1985	45,459	5,217,793	869,218	9
1986	48,590	5,097,238	819,595	10
1987	50,529	4,893,761	760,962	11
1988	52,281	5,007,481	735,495	11
1989	53,854	4,894,485	688,169	10
1990	55,755	4,895,982	678,478	9
1991	53,825	4,884,653	682,616	10
1992	55,071	4,812,979	650,623	9
1993	54,567	4,973,525	619,090	0
1994	52,346	5,045,690	590,735	0
1995	52,684	5,046,555	559,646	0
1996	55,164	5,132,207	543,342	0
1997	53,328	5,167,334	536,584	0
1998	52,583	5,227,477	504,662	0
1999	53,072	5,054,486	449,233	0
2000	49,498	5,282,104	443,397	0
2001	45,042	5,282,723	424,297	0
2002	45,247	5,141,075	405,776	0
2003	47,517	5,243,567	400,664	0
2004	45,863	5,067,315	392,714	0
2005	45,939	5,276,401	392,601	0
2006	45,548	5,548,022	392,481	0
2007	41,948	6,123,180	391,261	0
2008	39,017	6,960,693	405,938 R	4,495
2009	35,093	6,818,973	399,308 R	3,985
2010	40,982	6,715,294	426,719 R	6,242
2011	45,904	7,112,863	529,492 R	7,613
2012	44,178	7,475,495	724,422 R	8,067
2013	42,851	7,633,618	927,417 R	4,988
2014	43,654	7,985,019	1,157,917 R	7,661
2015	35,918	7,890,459	1,256,974 R	8,988
2016	39,001	7,225,471 R	1,163,213 R	9,457
2017	36,382	7,135,494	1,272,575	9,429

[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. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	26.4	6,602.7 R	5,379.4	0.0	NA	50.2	50.2	12,058.6 R
1961	26.5	6,682.1 R	5,447.3	0.0	NA	52.0	52.0	12,208.0 R
1962	25.9	6,812.8 R	5,471.3	0.0	NA	47.7	47.7	12,357.6 R
1963	27.4	6,952.5 R	5,671.1	0.0	NA	42.7	42.7	12,693.7 R
1964	28.8	7,311.9 R	5,739.2	0.0	NA	43.9	43.9	13,123.8 R
1965	30.3	7,436.1 R	5,804.3	0.0	NA	49.0	49.0	13,319.8 R
1966	28.4	7,746.6 R	6,127.7	0.0	NA	52.0	52.0	13,954.7 R
1967	27.1	7,934.6 R	6,480.4	0.0	NA	49.9	49.9	14,492.1 R
1968	28.8	8,271.3 R	6,555.6	0.0	NA	62.9	62.9	14,918.7 R
1969	28.3	8,654.8 R	6,664.1	0.0	NA	64.4	64.4	15,411.6 R
1970	29.1	9,213.7 R	7,235.4	0.0	NA	62.8	62.8	16,541.0 R
1971	28.4	9,438.9 R	7,083.0	0.0	NA	60.5	60.5	16,610.8 R
1972	50.9	9,550.8 R	7,539.6	0.0	NA	67.6	67.6	17,208.9 R
1973	97.2	9,375.6 R	7,499.9	0.0	NA	78.1	78.1	17,050.8 R
1974	107.6	9,006.1 R	7,312.3	0.0	NA	76.7	76.7	16,502.7 R
1975	144.2	8,282.5 R	7,081.3	0.0	NA	75.9	75.9	15,583.8 R
1976	182.7	7,974.3 R	6,891.3	0.0	NA	76.0	76.0	15,124.2 R
1977	209.5	7,830.0 R	6,594.5	0.0	NA	82.6	82.6	14,716.6 R
1978	265.3	7,085.8 R	6,217.6	0.0	NA	84.2	84.2	13,652.9 R
1979	356.5	7,409.5 R	5,885.4	0.0	NA	89.7	89.7	13,741.1 R
1980	385.0	7,228.7 R	5,615.3	0.0	NA	65.8	65.8	13,294.9 R
1981	418.8	6,967.3 R	5,407.6	0.0	(s)	70.5	70.5	12,864.2 R
1982	448.8	6,380.1 R	5,267.7	0.0	(s)	80.4	80.5	12,177.0 R
1983	493.0	5,834.4 R	5,120.9	0.0	(s)	75.8	75.8	11,524.1 R
1984	515.3	6,098.2 R	5,122.4	0.0	0.1	87.0	87.1	11,823.0 R
1985	574.7	6,038.5 R	5,041.5	0.0	0.1	93.5	93.5	11,748.2 R
1986	615.5	5,902.4 R	4,753.7	0.0	0.1	110.3	110.4	11,381.9 R
1987	640.1	5,671.8 R	4,413.6	0.0	0.1	116.8	116.9	10,842.4 R
1988	658.1	5,787.3 R	4,265.9	40.2	0.1	108.9	108.9	10,860.4 R
1989	675.3	5,639.0 R	3,991.4	105.7	0.1	125.4	125.5	10,536.8 R
1990	706.7	5,653.2 R	3,935.2	167.8	0.1	115.2	115.3	10,578.2 R
1991	674.1	5,644.6 R	3,959.2	207.6	0.1	120.3	120.3	10,605.8 R
1992	685.5	5,611.2 R	3,773.6	256.5	0.1	133.8	133.9	10,460.7 R
1993	683.0	5,727.1 R	3,590.7	130.3	0.0	117.2	117.2	10,248.3 R
1994	660.0	5,825.0 R	3,426.3	300.4	0.0	114.1	114.1	10,325.9 R
1995	664.5	5,822.5 R	3,245.9	379.8	0.0	117.9	117.9	10,230.7 R
1996	709.5	5,898.5 R	3,151.4	375.7	0.0	110.5	110.5	10,245.6 R
1997	687.9	5,883.2 R	3,112.2	392.0	0.0	122.7	122.7	10,198.0 R
1998	677.0	6,002.8 R	2,927.0	405.8	0.0	110.1	110.1	10,122.8 R
1999	672.0	5,767.5 R	2,605.6	384.1	0.0	94.0	94.0	9,523.2 R
2000	632.4	5,989.5 R	2,571.7	391.7	0.0	96.1	96.1	9,681.3 R
2001	578.7	5,971.8 R	2,460.9	398.5	0.0	96.5	96.5	9,506.5 R
2002	581.2	5,844.6 R	2,353.5	371.9	0.0	121.0	121.0	9,272.3 R
2003	594.7	5,902.2 R	2,323.9	348.5	0.0	115.5	115.5	9,284.8 R
2004	572.5	5,764.5 R	2,277.7	421.7	0.0	120.8	120.8	9,157.2 R
2005	595.6	5,973.9 R	2,277.1	399.0	0.0	137.5	137.5	9,383.1 R
2006	593.5	6,249.3 R	2,276.4	430.6	0.0	152.2	152.2	9,702.0 R
2007	554.7	6,850.7 R	2,269.3	429.6	0.0	191.8	191.8	10,296.1 R
2008	515.5	7,711.5 R	2,354.4 R	425.7	26.1	272.4	298.5	11,305.6 R
2009	455.5	7,572.1 R	2,316.0 R	434.0	23.0	272.3	295.3	11,073.0 R
2010	538.3	7,549.4 R	2,475.0	432.0	36.0	357.0 R	393.0 R	11,387.7 R
2011	605.3	8,014.1 R	3,071.1 R	414.9	43.7	397.1 R	440.8 R	12,546.1 R
2012	578.7	8,523.9 R	4,201.6 R	402.8	46.2	406.8 R	452.9 R	14,160.0 R
2013	564.9	8,825.4 R	5,379.0 R	400.4	28.5	447.8 R	476.3 R	15,645.9 R
2014	576.8	9,366.4 R	6,715.9 R	410.9	43.6	486.3 R	529.8 R	17,599.8 R
2015	471.3	9,392.3 R	7,186.1 R	411.6	50.9	517.0 R	567.9 R	18,029.2 R
2016	515.7	8,660.0 R	6,655.9 R	440.1	53.4	637.8 R	691.2 R	16,962.9 R
2017	474.3	8,626.3	7,282.9	403.5	53.1	733.0	786.2	17,573.2

[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) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	4,955	51,040	37,594	NA
1961	5,159	57,175	33,118	NA
1962	4,297	74,128	31,029	NA
1963	4,360	77,122	33,435	NA
1964	4,720	80,175	28,575	NA
1965	4,992	71,616	25,298	NA
1966	4,635	69,366	24,112	NA
1967	4,175	48,965	24,048	NA
1968	4,316	46,151	23,504	NA
1969	4,657	46,733	23,295	NA
1970	4,733	42,781	23,370	NA
1971	4,626	42,418	23,630	NA
1972	4,802	39,474	26,570	NA
1973	5,500	42,715	32,656	NA
1974	5,858	50,522	39,363	NA
1975	6,961	55,354	42,301	NA
1976	7,967	57,416	34,304	NA
1977	8,581	60,696	33,113	NA
1978	9,141	58,416	31,368	NA
1979	11,971	58,605	27,728	NA
1980	13,236	87,766	24,978	NA
1981	13,809	91,191	25,860	0
1982	17,029	94,255	22,440	0
1983	11,768	63,158	29,534	0
1984	12,323	74,698	34,689	0
1985	12,780	83,405	40,792	0
1986	14,269	90,013	39,172	0
1987	16,508	87,158	35,788	0
1988	18,163	101,372	33,018	0
1989	20,102	120,089	28,415	0
1990	22,058	145,875	27,604	0
1991	21,945	144,817	24,467	0
1992	21,339	171,293	22,720	0
1993	21,847	225,401	21,821	0
1994	24,399	270,858	20,661	0
1995	25,167	241,290	19,988	0
1996	27,507	250,767	19,401	0
1997	26,683	257,139	19,317	0
1998	26,075	277,340	19,199	0
1999	26,373	262,614	16,253	0
2000	26,656	269,285	15,636	0
2001	26,966	283,913	15,252	0
2002	25,304	274,739	13,771	0
2003	23,069	268,058	13,097	0
2004	21,746	277,969	14,744	0
2005	24,521	301,223	16,673	0
2006	26,018	348,320	17,927	0
2007	24,307	376,409	19,535	0
2008	24,365	433,566	22,039 R	0
2009	21,718	444,162	22,940 R	0
2010	19,351	432,045	24,663 R	0
2011	19,648	457,525	26,305 R	0
2012	17,016	490,393	30,210	0
2013	16,977	470,863	35,016	0
2014	17,934	454,545	40,898	0
2015	14,419	417,020	37,139 R	0
2016	13,970	365,269 R	30,529 R	0
2017	14,326	314,733	34,205	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	114.7	51.2	218.0	0.0	NA	5.5	5.5	389.5 R
1961	119.4	57.4	192.1	0.0	NA	4.6	4.6	373.5
1962	99.5	74.4	180.0	0.0	NA	6.2	6.2	360.0
1963	100.9	77.4	193.9	0.0	NA	5.7	5.7	378.0 R
1964	109.3	80.5	165.7	0.0	NA	10.2	10.2	365.6
1965	115.5	71.9	146.7	0.0	NA	11.5	11.5	345.7 R
1966	107.3	69.6	139.9	0.0	NA	10.2	10.2	326.9
1967	96.6	49.1	139.5	0.0	NA	13.3	13.3	298.5
1968	99.9	46.3	136.3	0.0	NA	12.8	12.8	295.3
1969	107.8	46.9	135.1	0.0	NA	14.0	14.0	303.8
1970	109.6	42.9	135.5	0.0	NA	10.1	10.1	298.1
1971	107.1	47.5 R	137.1	0.0	NA	12.6	12.6	304.2
1972	111.1	43.9 R	154.1	0.0	NA	15.2	15.2	324.3
1973	134.3	47.3	189.4	0.0	NA	14.7	14.7	385.7
1974	142.1	55.9 R	228.3	0.0	NA	12.4	12.4	438.7 R
1975	165.9	59.5	245.3	0.0	NA	14.1	14.1	484.8 R
1976	179.1	61.9	199.0	0.0	NA	15.0	15.0	454.9
1977	198.6	65.9	192.1	0.0	NA	11.7	11.7	468.3 R
1978	210.6	62.2	181.9	0.0	NA	12.1	12.1	466.8
1979	280.2	64.9	160.8	0.0	NA	13.6	13.6	519.5
1980	309.8	104.2	144.9	0.0	NA	13.0	13.0	571.9
1981	319.6	108.9	150.0	0.0	0.0	12.4	12.4	590.9
1982	396.5	97.1 R	130.2	0.0	0.0	16.8	16.8	640.5 R
1983	271.8	76.0 R	171.3	0.0	0.0	21.2	21.2	540.2
1984	285.3	88.1	201.2	0.0	0.0	21.6	21.6	596.2 R
1985	301.1	96.8	236.6	0.0	0.0	18.7	18.7	653.2
1986	331.5	104.5 R	227.2	0.0	0.0	23.0	23.0	686.2 R
1987	383.6	116.2 R	207.6	0.0	0.0	14.3	14.3	721.6 R
1988	420.4	145.9 R	191.5	0.0	0.0	11.8	11.8	769.6 R
1989	459.8	161.3 R	164.8	0.0	0.0	11.7	11.7	797.6 R
1990	511.4	188.7 R	160.1	0.0	0.0	10.8	10.8	871.0 R
1991	508.0	179.9 R	141.9	0.0	0.0	12.6	12.6	842.3 R
1992	493.0	204.2 R	131.8	0.0	0.0	12.4	12.4	841.4 R
1993	506.8	265.7 R	126.6	0.0	0.0	14.6	14.6	913.7 R
1994	566.9	311.4 R	119.8	0.0	0.0	13.8	13.8	1,012.0 R
1995	586.4	278.9 R	115.9	0.0	0.0	15.5	15.5	996.8 R
1996	640.4	278.1 R	112.5	0.0	0.0	17.2	17.2	1,048.2 R
1997	616.4	294.7 R	112.0	0.0	0.0	20.4	20.4	1,043.5 R
1998	600.8	308.4 R	111.4	0.0	0.0	19.5	19.5	1,040.1 R
1999	620.4	294.2 R	94.3	0.0	0.0	20.4	20.4	1,029.2 R
2000	631.3	301.3 R	90.7	0.0	0.0	15.4	15.4	1,038.6 R
2001	640.6	316.0 R	88.5	0.0	0.0	10.8	10.8	1,055.9 R
2002	586.9	295.0 R	79.9	0.0	0.0	10.9	10.9	972.7 R
2003	536.2	289.6 R	76.0	0.0	0.0	10.3	10.3	912.0 R
2004	490.1	297.9 R	85.5	0.0	0.0	10.6	10.6	884.1 R
2005	554.2	321.5 R	96.7	0.0	0.0	13.6	13.6	986.0 R
2006	593.3	372.1 R	104.0	0.0	0.0	13.2	13.2	1,082.6 R
2007	556.4	400.0 R	113.3	0.0	0.0	11.0	11.0	1,080.7 R
2008	564.1	463.7 R	127.8	0.0	0.0	14.0	14.0	1,169.6 R
2009	502.6	475.2 R	133.1	0.0	0.0	16.0	16.0	1,126.8 R
2010	445.7	466.0 R	143.0 R	0.0	0.0	17.7 R	17.7 R	1,072.4 R
2011	453.9	496.6 R	152.6	0.0	0.0	24.4 R	24.4 R	1,127.4 R
2012	387.1	534.1 R	175.2	0.0	0.0	20.6 R	20.6 R	1,117.0 R
2013	385.7	516.2 R	203.1	0.0	0.0	17.1 R	17.1 R	1,122.1 R
2014	411.0	501.3 R	237.2	0.0	0.0	21.6	21.6	1,171.1 R
2015	325.2	461.2 R	212.3	0.0	0.0	24.0 R	24.0 R	1,022.7 R
2016	310.5	401.9 R	174.7 R	0.0	0.0	36.6 R	36.6 R	923.6 R
2017	317.8	346.2	195.8	0.0	0.0	53.3	53.3	913.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	17.3	17.3	17.3
1961	0.0	0.0	0.0	0.0	NA	15.4	15.4	15.4
1962	0.0	0.0	0.0	0.0	NA	15.7	15.7	15.7
1963	0.0	0.0	0.0	0.0	NA	14.0	14.0	14.0
1964	0.0	0.0	0.0	0.0	NA	13.5	13.5	13.5
1965	0.0	0.0	0.0	0.0	NA	14.4	14.4	14.4
1966	0.0	0.0	0.0	0.0	NA	15.6	15.6	15.6
1967	0.0	0.0	0.0	0.0	NA	15.2	15.2	15.2
1968	0.0	0.0	0.0	0.0	NA	15.1	15.1	15.1
1969	0.0	0.0	0.0	0.0	NA	16.1	16.1	16.1
1970	0.0	0.0	0.0	0.0	NA	14.7	14.7	14.7
1971	0.0	0.0	0.0	0.0	NA	14.6	14.6	14.6
1972	0.0	0.0	0.0	1.8	NA	16.0	16.0	17.8
1973	0.0	0.0	0.0	17.4	NA	17.1	17.1	34.6
1974	0.0	0.0	0.0	27.7	NA	16.1	16.1	43.8
1975	0.0	0.0	0.0	39.2	NA	16.4	16.4	55.6
1976	0.0	0.0	0.0	36.0	NA	19.3	19.3	55.3
1977	0.0	0.0	0.0	38.1	NA	19.4	19.4	57.5
1978	0.0	0.0	0.0	35.5	NA	20.5	20.5	56.0
1979	0.0	0.0	0.0	37.5	NA	22.3	22.3	59.9
1980	0.0	0.0	0.0	32.5	NA	22.9	22.9	55.4
1981	0.0	0.0	0.0	39.4	0.0	24.8	24.8	64.2
1982	0.0	0.0	0.0	46.2	0.0	22.7	22.7	68.9
1983	0.0	0.0	0.0	31.3	0.0	26.6	26.6	57.9
1984	0.0	0.0	0.0	36.2	0.0	26.0	26.0	62.2
1985	0.0	0.0	0.0	31.9	0.0	26.9	26.9	58.7
1986	0.0	0.0	0.0	21.8	0.0	23.9	23.9	45.6
1987	0.0	0.0	0.0	36.9	0.0	23.1	23.1	60.1
1988	0.0	0.0	0.0	43.6	0.0	21.7	21.7	65.3
1989	0.0	0.0	0.0	38.2	0.0	20.0	20.0	58.2
1990	0.0	0.0	0.0	38.3	0.0	19.5	19.5	57.8
1991	0.0	0.0	0.0	43.1	0.0	17.3	17.3	60.4
1992	0.0	0.0	0.0	39.1	0.0	16.0	16.0	55.1
1993	0.0	0.0	0.0	35.4	0.0	18.2	18.2	53.7
1994	0.0	0.0	0.0	45.1	0.0	19.1	19.1	64.2
1995	0.0	0.0	0.0	40.5	0.0	19.2	19.2	59.7
1996	0.0	0.0	0.0	39.9	0.0	21.9	21.9	61.8
1997	0.0	0.0	0.0	44.8	0.0	19.9	19.9	64.7
1998	0.0	0.0	0.0	35.2	0.0	20.3	20.3	55.5
1999	0.0	0.0	0.0	42.4	0.0	20.8	20.8	63.2
2000	0.0	0.0	0.0	47.4	0.0	21.4	21.4	68.8
2001	0.0	0.0	0.0	43.6	0.0	17.3	17.3	60.9
2002	0.0	0.0	0.0	41.4	0.0	22.7	22.7	64.1
2003	0.0	0.0	0.0	46.3	0.0	24.1	24.1	70.4
2004	0.0	0.0	0.0	40.2	0.0	22.0	22.0	62.3
2005	0.0	0.0	0.0	42.5	0.0	24.3	24.3	66.8
2006	0.0	0.0	0.0	53.3	0.0	27.6	27.6	80.9
2007	0.0	0.0	0.0	49.3	0.0	18.7	18.7	68.0
2008	0.0	0.0	0.0	51.2	0.0	27.0	27.0	78.2
2009	0.0	0.0	0.0	56.1	0.0	31.6	31.6	87.6
2010	0.0	0.0	0.0	50.0	0.0	32.4 R	32.4 R	82.4 R
2011	0.0	0.0	0.0	51.4	0.0	30.6 R	30.6 R	81.9 R
2012	0.0	0.0	0.0	52.3	0.0	26.3 R	26.3 R	78.6 R
2013	0.0	0.0	0.0	50.6	0.0	33.3 R	33.3 R	84.0 R
2014	0.0	0.0	0.0	52.9	0.0	32.8 R	32.8 R	85.8 R
2015	0.0	0.0	0.0	0.0	0.0	38.8 R	38.8 R	38.8 R
2016	0.0	0.0	0.0	0.0	0.0	35.7 R	35.7 R	35.7 R
2017	0.0	0.0	0.0	0.0	0.0	38.0	38.0	38.0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	27,838	2,227	2	NA
1961	30,332	2,466	2	NA
1962	29,474	2,499	3	NA
1963	30,531	2,085	3	NA
1964	31,653	1,609	6	NA
1965	34,053	3,152	4	NA
1966	35,565	4,249	1	NA
1967	36,721	3,818	3	NA
1968	36,966	3,389	3	NA
1969	35,555	2,846	1	NA
1970	35,016	2,805	1	NA
1971	30,628	2,619	1	NA
1972	34,028	2,787	0	NA
1973	33,961	5,101	0	NA
1974	34,326	7,096	3	NA
1975	35,510	6,723	3	NA
1976	39,996	6,937	3	NA
1977	37,624	8,220	2	NA
1978	31,946	8,492	2	NA
1979	37,119	8,544	4	NA
1980	41,009	7,812	10	NA
1981	41,978	8,903	13	11
1982	39,778	6,880	49	38
1983	35,027	4,346	65	72
1984	40,368	8,901	32	87
1985	40,940	15,041	26	93
1986	41,178	15,427	18	99
1987	44,543	19,223	17	108
1988	45,886	18,424	25	109
1989	43,006	17,935	23	103
1990	46,917	14,774	16	87
1991	41,954	14,906	13	102
1992	43,024	24,733	12	91
1993	39,317	37,840	12	97
1994	37,129	50,259	11	93
1995	34,099	49,818	11	79
1996	35,590	54,290	13	28
1997	35,837	58,249	10	43
1998	33,747	57,263	5	43
1999	32,294	72,189	8	33
2000	32,834	71,545	9	31
2001	33,060	71,543	11	25
2002	30,126	76,915	25	22
2003	31,771	143,644	18	13
2004	31,647	85,508	19	0
2005	27,964	88,610	26	0
2006	29,872	103,027	17	0
2007	25,462	112,057	19	0
2008	24,748	128,454	16	0
2009	21,175	140,738	12	0
2010	22,385	147,255	12	0
2011	22,523	151,094	11	0
2012	18,976	146,405	9	0
2013	17,049	139,382	10	0
2014	15,507	133,661	14	1,051
2015	14,321	127,586	11	1,186
2016	13,359	120,288 R	7	608
2017	13,702	115,452	7	1,451

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	752.4	2.3	(s)	0.0	NA	69.7	69.7	824.4
1961	818.7	2.5	(s)	0.0	NA	66.5	66.5	887.7
1962	794.6	2.6	(s)	0.0	NA	67.7	67.7	864.9
1963	823.7	2.1	(s)	0.0	NA	64.3	64.3	890.1
1964	855.4	1.7	(s)	0.0	NA	63.6	63.6	920.7
1965	921.1	3.2	(s)	0.0	NA	63.4	63.4	987.8
1966	961.7	4.4	(s)	0.0	NA	64.1	64.1	1,030.1
1967	992.7	3.9	(s)	0.0	NA	61.8	61.8	1,058.4
1968	999.0	3.5	(s)	0.0	NA	63.9	63.9	1,066.3
1969	964.5	2.9	(s)	0.0	NA	64.2	64.2	1,031.5
1970	960.3	2.9	(s)	0.0	NA	62.7	62.7	1,025.9
1971	838.2	2.7	(s)	0.0	NA	66.4	66.4	907.3
1972	930.6	2.9	0.0	4.8	NA	70.5	70.5	1,008.8
1973	867.1	5.2	0.0	74.8	NA	69.2	69.2	1,016.3
1974	862.1	7.3	(s)	66.4	NA	66.1	66.1	1,001.9
1975	886.8	6.9	(s)	98.8	NA	66.9	66.9	1,059.3
1976	1,020.4	7.1	(s)	85.5	NA	76.0	76.0	1,189.0
1977	947.7	8.4	(s)	102.1	NA	73.8	73.8	1,132.0
1978	803.2	8.7	(s)	154.2	NA	86.4	86.4	1,052.5
1979	961.0	8.7	(s)	76.8	NA	95.2	95.2	1,141.7
1980	1,063.3	7.9	0.1	125.1	NA	85.6	85.6	1,282.0
1981	1,104.5	9.1	0.1	196.5	0.1	79.2	79.3	1,389.5
1982	1,048.6	7.1	0.3	192.9	0.2	93.2	93.5	1,342.3
1983	933.6	4.5	0.4	203.6	0.5	95.4	95.9	1,238.0
1984	1,079.4	9.2	0.2	184.8	0.6	102.4	102.9	1,376.6
1985	1,100.9	15.6	0.2	236.9	0.6	99.4	100.0	1,453.5
1986	1,106.1	16.0	0.1	224.4	0.6	83.0	83.6	1,430.3
1987	1,194.0	20.0	0.1	189.5	0.7	85.1	85.8	1,489.4
1988	1,244.0	19.2	0.1	223.0	0.7	77.8	78.4	1,564.8
1989	1,155.1	18.7	0.1	151.0	0.6	95.9	96.6	1,421.4
1990	1,276.2	15.4	0.1	252.1	0.5	104.3	104.9	1,648.6
1991	1,131.3	15.5	0.1	250.4	0.6	106.1	106.7	1,504.0
1992	1,159.7	25.7	0.1	244.3	0.6	109.7	110.2	1,540.0
1993	1,046.5	39.5	0.1	238.3	0.6	118.7	119.3	1,443.7
1994	987.6	52.2	0.1	265.8	0.6	122.1	122.6	1,428.2
1995	913.5	51.4	0.1	264.1	0.5	126.0	126.5	1,355.5
1996	946.7	56.4	0.1	276.1	0.2	136.2	136.4	1,415.6
1997	956.4	60.8	0.1	284.2	0.3	123.3	123.6	1,425.1
1998	906.0	59.7	(s)	285.7	0.3	122.8	123.1	1,374.5
1999	854.7	74.9	(s)	295.7	0.2	120.0	120.2	1,345.7
2000	870.0	74.0	0.1	295.4	0.2	113.9	114.1	1,353.6
2001	863.9	74.2	0.1	269.0	0.2	92.7	92.8	1,300.0
2002	793.4	79.5	0.1	285.5	0.1	76.9	77.1	1,235.7
2003	827.9	148.8	0.1	258.6	0.1	104.1	104.2	1,339.7
2004	817.8	88.1	0.1	295.3	0.0	110.8	110.8	1,312.0
2005	716.6	92.2	0.2	291.4	0.0	126.8	126.8	1,227.0
2006	768.4	106.5	0.1	287.9	0.0	118.8	118.8	1,281.8
2007	656.3	116.0	0.1	286.0	0.0	116.8	116.8	1,175.2
2008	623.3	133.3	0.1	291.9	0.0	117.4	117.4	1,166.1
2009	535.6	145.8	0.1	295.1	0.0	114.9	114.9	1,091.4
2010	564.3	151.4	0.1	277.7	0.0	110.5 R	110.5 R	1,104.0 R
2011	562.8	155.2	0.1	267.3	0.0	104.7 R	104.7 R	1,090.1 R
2012	493.4	151.4	0.1	301.0	0.0	102.1 R	102.1 R	1,047.9 R
2013	456.8	144.4	0.1	306.4	0.0	118.0 R	118.0 R	1,025.6 R
2014	393.2	139.8	0.1	316.1	6.0	130.4 R	136.4 R	985.6 R
2015	365.8	134.2	0.1	293.5	6.7	131.6	138.3	931.8 R
2016	335.6	126.7 R	(s)	311.0	3.4	136.3 R	139.7 R	913.0 R
2017	343.6	121.6	(s)	319.6	8.2	130.2	138.4	923.2

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

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

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	3.7	0.0	(s)	0.0	NA	428.1	428.1	431.8
1961	3.1	0.0	0.0	0.0	NA	455.8	455.8	458.9
1962	3.8	0.0	0.0	0.0	NA	476.7	476.7	480.5
1963	3.1	0.0	0.0	0.0	NA	514.3	514.3	517.4
1964	1.1	0.0	0.0	0.0	NA	557.3	557.3	558.5
1965	0.9	0.0	0.0	0.0	NA	581.5	581.5	582.4
1966	1.0	0.0	0.0	11.5	NA	617.2	617.2	629.7
1967	1.0	0.0	0.0	23.3	NA	678.0	678.0	702.3
1968	2.9	0.0	0.0	44.1	NA	736.2	736.2	783.2
1969	0.9	0.0	0.0	40.5	NA	772.8	772.8	814.2
1970	0.6	0.0	0.0	28.7	NA	796.1	796.1	825.4
1971	18.5	0.0	0.0	27.7	NA	817.3	817.3	863.4
1972	42.9	0.0	0.0	31.5	NA	854.6	854.6	929.0
1973	53.0	0.0	0.0	48.3	NA	783.2	783.2	884.5
1974	63.4	0.0	0.0	43.4	NA	926.5	926.5	1,033.3
1975	60.6	0.0	0.0	36.4	NA	935.4	935.4	1,032.4
1976	66.6	0.0	0.0	26.6	NA	1,051.2	1,051.2	1,144.3
1977	81.9	0.0	0.0	46.5	NA	773.5	773.5	901.9
1978	76.3	0.0	0.0	45.3	NA	1,002.2	1,002.2	1,123.8
1979	82.2	0.0	0.0	39.3	NA	900.6	900.6	1,022.1
1980	83.3	0.0	0.0	22.3	NA	951.6	951.6	1,057.2
1981	75.1	0.0	0.0	22.5	0.1	1,074.4	1,074.5	1,172.1
1982	67.5	0.0	0.0	40.2	0.3	1,008.0	1,008.3	1,115.9
1983	63.0	0.0	0.0	38.1	0.6	1,004.6	1,005.1	1,106.3
1984	62.7	0.0	0.0	57.6	0.7	981.3	982.0	1,102.3
1985	71.9	0.0	0.0	85.4	0.7	917.0	917.7	1,075.0
1986	74.5	0.0	0.0	89.3	0.7	942.5	943.3	1,107.1
1987	72.1	0.0	0.0	57.7	0.8	850.0	850.8	980.6
1988	84.2	0.0	0.0	63.6	0.8	834.7	835.5	983.3
1989	81.7	0.0	0.0	64.7	0.8	854.8	855.6	1,002.0
1990	81.1	0.0	0.0	60.8	0.6	1,003.7	1,004.3	1,146.2
1991	82.3	0.0	0.0	44.3	0.8	1,006.7	1,007.5	1,134.1
1992	83.2	0.0	0.0	59.6	0.7	802.5	803.1	945.9
1993	74.9	0.0	0.0	74.9	0.7	790.9	791.6	941.5
1994	77.2	0.0	0.0	70.4	0.7	773.3	774.0	921.6
1995	78.4	0.0	0.0	72.9	0.6	941.4	942.0	1,093.4
1996	72.1	0.0	0.0	58.7	0.2	1,108.9	1,109.1	1,239.9
1997	71.3	0.0	0.0	65.5	0.3	1,158.6	1,159.0	1,295.8
1998	72.8	0.0	0.0	72.6	0.3	901.6	902.0	1,047.4
1999	64.0	0.0	0.0	63.6	0.3	1,081.5	1,081.8	1,209.4
2000	66.5	0.0	0.0	89.7	0.3	908.6	908.9	1,065.1
2001	72.1	0.0	0.0	86.2	0.2	658.8	659.1	817.4
2002	91.3	0.0	0.0	94.5	0.2	887.7	887.9	1,073.7
2003	97.7	0.0	0.0	79.4	0.2	829.0	829.2	1,006.3
2004	90.0	0.0	0.0	93.7	0.1	817.5	817.6	1,001.3
2005	82.7	0.0	0.0	86.0	0.1	807.7	807.7	976.4
2006	40.3	0.0	0.0	97.3	0.0	928.3	928.3	1,065.9
2007	0.0	0.0	0.0	85.1	0.0	883.2	883.2	968.2
2008	0.0	0.0	0.0	96.9	0.0	879.2	879.2	976.1
2009	0.0	0.0	0.0	69.4	0.0	832.0	832.0	901.4
2010	0.0	0.0	0.0	96.6	0.0	821.3 R	821.3 R	917.8 R
2011	0.0	0.0	0.0	50.3	0.0	1,058.8 R	1,058.8 R	1,109.1 R
2012	0.0	0.0	0.0	97.8	0.0	1,016.9 R	1,016.9 R	1,114.7 R
2013	0.0	0.0	0.0	88.4	0.0	922.0 R	922.0 R	1,010.4 R
2014	0.0	0.0	0.0	99.3	0.0	935.0 R	935.0 R	1,034.3 R
2015	0.0	0.0	0.0	85.3	0.0	865.1 R	865.1 R	950.4 R
2016	0.0	0.0	0.0	100.7	0.0	922.6 R	922.6 R	1,023.3 R
2017	0.0	0.0	0.0	85.0	0.0	942.4	942.4	1,027.5

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	118,944	208,757	2,300	NA
1961	113,074	210,556	2,760	NA
1962	118,499	210,698	3,470	NA
1963	132,568	210,223	3,350	NA
1964	141,408	203,872	3,370	NA
1965	149,191	207,416	3,530	NA
1966	149,681	211,610	3,674	NA
1967	153,749	211,460	3,561	NA
1968	145,921	236,971	3,312	NA
1969	141,011	231,759	3,104	NA
1970	144,072	242,452	3,124	NA
1971	118,258	234,027	2,969	NA
1972	123,743	214,951	2,677	NA
1973	115,448	208,676	2,385	NA
1974	102,462	202,306	2,665	NA
1975	109,283	154,484	2,479	NA
1976	108,834	153,322	2,519	NA
1977	95,433	152,767	2,518	NA
1978	85,314	148,564	2,382	NA
1979	113,126	150,505	2,406	NA
1980	121,584	156,551	2,336	NA
1981	112,814	161,251	3,473	0
1982	128,540	150,850	3,227	0
1983	115,049	130,078	3,628	0
1984	131,008	143,730	3,524	0
1985	127,764	144,883	3,555	0
1986	129,907	135,431	3,145	0
1987	136,676	160,000	2,835	0
1988	145,005	174,942	2,621	0
1989	153,580	177,192	2,243	0
1990	169,205	178,000	2,143	0
1991	167,352	198,605	1,963	0
1992	162,164	182,000	2,068	0
1993	130,525	171,024	2,048	0
1994	161,776	183,773	1,918	0
1995	162,997	186,231	1,948	0
1996	170,433	169,839	1,680	0
1997	173,743	172,268	1,509	0
1998	171,145	180,000	1,471	0
1999	157,978	176,015	1,471	0
2000	158,257	264,139	1,400	0
2001	162,631	191,889	1,226	0
2002	150,222	190,249	1,456	0
2003	139,755	187,723	1,481	0
2004	148,017	197,217	1,735	0
2005	153,655	221,108	1,696	0
2006	152,374	225,530	1,726	0
2007	153,522	231,184	1,992	0
2008	157,805	244,880	2,126	0
2009	137,038	264,436	1,501	0
2010	135,306	265,174	1,842	0
2011	134,785	394,125	2,146	0
2012	120,449	539,861	2,573	0
2013	112,876	741,853	7,239 R	0
2014	112,187	1,067,114	10,330 R	0
2015	95,633	1,315,248	11,572 R	0
2016	79,823	1,384,458 R	7,636 R	0
2017	92,821	1,601,047	9,469	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	2,971.5	228.9 R	13.3	0.0	NA	23.5	23.5	3,237.2 R
1961	2,821.1	230.9 R	16.0	0.0	NA	23.7	23.7	3,091.6 R
1962	2,953.0	231.0 R	20.1	0.0	NA	23.8	23.8	3,228.0 R
1963	3,306.0	230.5 R	19.4	0.0	NA	21.0	21.0	3,577.0 R
1964	3,532.6	223.6 R	19.5	0.0	NA	21.7	21.7	3,797.4 R
1965	3,730.4	227.4 R	20.5	0.0	NA	20.6	20.6	3,998.9 R
1966	3,741.4	232.0 R	21.3	0.0	NA	20.1	20.1	4,014.8 R
1967	3,842.1	231.9 R	20.7	0.0	NA	22.5	22.5	4,117.1 R
1968	3,645.1	259.8 R	19.2	0.0	NA	21.6	21.6	3,945.7 R
1969	3,535.7	254.1 R	18.0	0.0	NA	21.4	21.4	3,829.3 R
1970	3,652.1	265.9 R	18.1	0.0	NA	21.2	21.2	3,957.2 R
1971	2,991.7	257.9 R	17.2	0.0	NA	22.3	22.3	3,289.0 R
1972	3,128.3	235.7 R	15.5	0.0	NA	24.8	24.8	3,404.4 R
1973	2,972.1	229.3 R	13.8	0.0	NA	24.2	24.2	3,239.5 R
1974	2,605.8	222.9 R	15.5	0.0	NA	23.8	23.8	2,868.0 R
1975	2,769.2	173.9 R	14.4	0.0	NA	22.8	22.8	2,980.3 R
1976	2,768.8	172.1 R	14.6	0.0	NA	24.8	24.8	2,980.2 R
1977	2,422.8	171.5 R	14.6	0.0	NA	24.3	24.3	2,633.2 R
1978	2,148.7	165.2 R	13.8	0.0	NA	27.3	27.3	2,355.0 R
1979	2,891.2	167.1 R	14.0	0.0	NA	33.9	33.9	3,106.2 R
1980	3,112.0	176.8 R	13.5	0.0	NA	23.4	23.4	3,325.7 R
1981	2,934.3	183.1 R	20.1	0.0	0.0	22.0	22.0	3,159.6 R
1982	3,344.6	169.6 R	18.7	0.0	0.0	25.8	25.8	3,558.8 R
1983	3,003.8	146.9 R	21.0	0.0	0.0	23.4	23.4	3,195.1 R
1984	3,413.6	165.4 R	20.4	0.0	0.0	25.6	25.6	3,625.0 R
1985	3,339.9	170.3 R	20.6	0.0	0.0	25.1	25.1	3,555.9 R
1986	3,391.6	159.4 R	18.2	0.0	0.0	31.4	31.4	3,600.7 R
1987	3,561.0	186.2 R	16.4	0.0	0.0	28.5	28.5	3,792.1 R
1988	3,802.2	204.6 R	15.2	0.0	0.0	29.0	29.0	4,051.0 R
1989	3,996.5	207.3 R	13.0	0.0	0.0	25.6	25.6	4,242.4 R
1990	4,450.0	205.9 R	12.4	0.0	0.0	18.5	18.5	4,686.8 R
1991	4,391.2	229.1 R	11.4	0.0	0.0	16.4	16.4	4,648.1 R
1992	4,250.4	209.1 R	12.0	0.0	0.0	18.5	18.5	4,489.9 R
1993	3,383.0	199.3 R	11.9	0.0	0.0	18.5	18.5	3,612.7 R
1994	4,203.4	212.3 R	11.1	0.0	0.0	18.7	18.7	4,445.6 R
1995	4,217.2	209.0 R	11.3	0.0	0.0	19.5	19.5	4,457.0 R
1996	4,392.1	190.7 R	9.7	0.0	0.0	22.0	22.0	4,614.5 R
1997	4,464.1	194.5 R	8.8	0.0	0.0	17.6	17.6	4,684.9 R
1998	4,413.0	202.1 R	8.5	0.0	0.0	16.2	16.2	4,639.9 R
1999	4,021.5	196.8 R	8.5	0.0	0.0	14.8	14.8	4,241.7 R
2000	4,015.5	297.6 R	8.1	0.0	0.0	17.4	17.4	4,338.6 R
2001	4,085.5	222.4 R	7.1	0.0	0.0	14.7	14.7	4,329.7 R
2002	3,805.1	218.6 R	8.4	0.0	0.0	15.1	15.1	4,047.2 R
2003	3,524.5	212.5 R	8.6	0.0	0.0	19.8	19.8	3,765.4 R
2004	3,724.8	222.7 R	10.1	0.0	0.0	19.2	19.2	3,976.8 R
2005	3,848.5	250.1 R	9.8	0.0	0.0	28.3	28.3	4,136.7 R
2006	3,802.0	265.9 R	10.0	0.0	0.0	28.3	28.3	4,106.2 R
2007	3,855.3	262.7 R	11.6	0.0	0.0	26.0	26.0	4,155.5 R
2008	3,870.3	277.2 R	12.3	0.0	0.0	29.2	29.2	4,189.1 R
2009	3,379.4	301.0 R	8.7	0.0	0.0	45.0	45.0	3,734.2 R
2010	3,346.1	301.0 R	10.7	0.0	0.0	46.0 R	46.0 R	3,703.8 R
2011	3,321.1	442.6 R	12.4	0.0	0.0	47.2 R	47.2 R	3,823.3 R
2012	3,059.1	602.6 R	14.9	0.0	0.0	44.9 R	44.9 R	3,721.5 R
2013	2,874.7	832.7 R	42.0 R	0.0	0.0	53.9 R	53.9 R	3,803.2 R
2014	2,858.0	1,246.1 R	59.9 R	0.0	0.0	50.0 R	50.0 R	4,214.0 R
2015	2,447.2	1,562.5 R	66.2 R	0.0	0.0	38.0 R	38.0 R	4,113.8 R
2016	2,041.1	1,667.4 R	43.7 R	0.0	0.0	39.7 R	39.7 R	3,791.9 R
2017	2,390.3	1,931.7	54.2	0.0	0.0	41.8	41.8	4,418.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	0	0	0	NA
1961	0	0	0	NA
1962	0	0	0	NA
1963	0	0	0	NA
1964	0	0	0	NA
1965	0	0	0	NA
1966	0	0	0	NA
1967	0	0	0	NA
1968	0	0	0	NA
1969	0	0	0	NA
1970	0	0	0	NA
1971	0	0	0	NA
1972	0	0	0	NA
1973	0	0	0	NA
1974	0	0	0	NA
1975	0	0	0	NA
1976	0	0	0	NA
1977	0	0	0	NA
1978	0	0	0	NA
1979	0	0	0	NA
1980	0	0	0	NA
1981	0	0	0	0
1982	0	0	0	0
1983	0	0	0	0
1984	0	0	0	0
1985	0	0	0	0
1986	0	0	0	0
1987	0	0	0	0
1988	0	0	0	0
1989	0	0	0	0
1990	0	0	0	0
1991	0	0	0	0
1992	0	0	0	0
1993	0	0	0	0
1994	0	0	0	0
1995	0	0	0	95
1996	0	0	0	95
1997	0	0	0	95
1998	0	0	0	95
1999	0	0	0	95
2000	0	0	0	95
2001	0	0	0	95
2002	0	0	0	496
2003	0	0	0	1,832
2004	0	0	0	2,545
2005	0	0	0	4,090
2006	0	0	0	5,009
2007	0	0	0	6,759
2008	0	0	0	10,652
2009	0	0	0	11,000
2010	0	0	0	12,435
2011	0	0	0	12,278
2012	0	0	0	11,672
2013	0	0	0	11,501
2014	0	0	0	12,803
2015	0	0	0	12,577
2016	0	0	0	13,061
2017	0	0	0	13,364

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	0.0	0.0	0.0	0.0	NA	65.0	65.0	65.0
1961	0.0	0.0	0.0	0.0	NA	60.6	60.6	60.6
1962	0.0	0.0	0.0	0.0	NA	61.7	61.7	61.7
1963	0.0	0.0	0.0	0.0	NA	55.1	55.1	55.1
1964	0.0	0.0	0.0	0.0	NA	55.0	55.0	55.0
1965	0.0	0.0	0.0	0.0	NA	61.7	61.7	61.7
1966	0.0	0.0	0.0	0.0	NA	60.9	60.9	60.9
1967	0.0	0.0	0.0	0.0	NA	61.0	61.0	61.0
1968	0.0	0.0	0.0	0.0	NA	65.8	65.8	65.8
1969	0.0	0.0	0.0	0.0	NA	62.8	62.8	62.8
1970	0.0	0.0	0.0	1.7	NA	58.3	58.3	60.0
1971	0.0	0.0	0.0	37.6	NA	61.8	61.8	99.4
1972	0.0	0.0	0.0	35.5	NA	65.6	65.6	101.2
1973	0.0	0.0	0.0	64.9	NA	67.8	67.8	132.7
1974	0.0	0.0	0.0	92.1	NA	65.6	65.6	157.8
1975	0.0	0.0	0.0	113.4	NA	66.1	66.1	179.4
1976	0.0	0.0	0.0	118.5	NA	69.6	69.6	188.0
1977	0.0	0.0	0.0	117.9	NA	74.5	74.5	192.4
1978	0.0	0.0	0.0	128.2	NA	90.8	90.8	219.0
1979	0.0	0.0	0.0	113.2	NA	92.9	92.9	206.1
1980	0.0	0.0	0.0	108.1	NA	187.3	187.3	295.4
1981	0.0	0.0	0.0	107.2	0.0	196.6	196.6	303.8
1982	0.0	0.0	0.0	113.7	0.0	195.4	195.4	309.1
1983	0.0	0.0	0.0	101.4	0.0	217.7	217.7	319.1
1984	0.0	0.0	0.0	116.5	0.0	215.5	215.5	332.0
1985	0.0	0.0	0.0	116.6	0.0	217.8	217.8	334.4
1986	0.0	0.0	0.0	118.5	0.0	161.7	161.7	280.2
1987	0.0	0.0	0.0	118.1	0.0	152.8	152.8	271.0
1988	0.0	0.0	0.0	121.5	0.0	157.2	157.2	278.7
1989	0.0	0.0	0.0	114.8	0.0	123.7	123.7	238.5
1990	0.0	0.0	0.0	118.8	0.0	102.6	102.6	221.4
1991	0.0	0.0	0.0	115.2	0.0	108.3	108.3	223.5
1992	0.0	0.0	0.0	117.4	0.0	108.9	108.9	226.3
1993	0.0	0.0	0.0	120.4	0.0	104.6	104.6	225.0
1994	0.0	0.0	0.0	120.4	0.0	106.8	106.8	227.1
1995	0.0	0.0	0.0	115.3	0.6	111.0	111.6	226.8
1996	0.0	0.0	0.0	106.3	0.6	123.3	123.9	230.2
1997	0.0	0.0	0.0	41.1	0.6	122.6	123.2	164.3
1998	0.0	0.0	0.0	98.6	0.6	107.6	108.2	206.7
1999	0.0	0.0	0.0	120.1	0.6	113.6	114.2	234.3
2000	0.0	0.0	0.0	120.1	0.6	112.8	113.3	233.4
2001	0.0	0.0	0.0	120.2	0.6	121.3	121.8	242.0
2002	0.0	0.0	0.0	130.0	3.0	98.6	101.5	231.5
2003	0.0	0.0	0.0	127.3	11.0	104.5	115.5	242.8
2004	0.0	0.0	0.0	124.0	15.1	93.6	108.7	232.7
2005	0.0	0.0	0.0	103.5	24.2	120.7	144.9	248.4
2006	0.0	0.0	0.0	127.7	29.4	115.2	144.6	272.3
2007	0.0	0.0	0.0	135.4	39.5	109.0	148.5	283.9
2008	0.0	0.0	0.0	127.0	61.8	114.7	176.5	303.5
2009	0.0	0.0	0.0	132.7	63.5	107.3	170.8	303.4
2010	0.0	0.0	0.0	138.8	71.6	136.2 R	207.8 R	346.6 R
2011	0.0	0.0	0.0	121.0	70.5	135.1 R	205.6 R	326.6 R
2012	0.0	0.0	0.0	149.8	66.8	128.3 R	195.1 R	344.9 R
2013	0.0	0.0	0.0	122.0	65.6	137.7 R	203.3 R	325.3 R
2014	0.0	0.0	0.0	98.8	72.8	140.6 R	213.4 R	312.2 R
2015	0.0	0.0	0.0	104.7	71.3	144.4 R	215.7 R	320.4 R
2016	0.0	0.0	0.0	106.2	73.7	142.3 R	216.1 R	322.3 R
2017	0.0	0.0	0.0	100.9	75.3	140.0	215.3	316.2

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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 - 2017

Year	Fossil Fuels			Renewable Energy
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Fuel Ethanol [d]
	Thousand Short Tons	Million Cubic Feet	Thousand Barrels	Thousand Barrels
1960	2,024	181,610	133,910	NA
1961	2,529	194,674	141,937	NA
1962	2,569	204,996	135,847	NA
1963	3,124	209,060	144,407	NA
1964	3,101	232,878	138,752	NA
1965	3,260	235,849	138,314	NA
1966	3,670	243,381	134,470	NA
1967	3,588	240,074	136,312	NA
1968	3,829	248,481	144,250	NA
1969	4,602	303,517	154,945	NA
1970	7,222	338,520	160,345	NA
1971	8,052	380,105	148,114	NA
1972	10,928	375,059	140,011	NA
1973	14,886	357,731	141,914	NA
1974	20,703	326,657	139,997	NA
1975	23,804	316,123	135,943	NA
1976	30,836	328,768	134,149	NA
1977	46,028	330,180	136,472	NA
1978	58,328	357,267	137,385	NA
1979	71,523	414,416	131,890	NA
1980	94,887	407,072	126,362	NA
1981	102,969	408,356	130,563	0
1982	108,361	424,657	118,300	0
1983	112,214	443,988	118,303	0
1984	130,914	516,683	124,269	0
1985	140,714	416,565	128,514	0
1986	136,826	403,266	121,337	0
1987	146,850	497,980	115,267	0
1988	164,014	509,058	113,985	0
1989	171,558	665,699	107,715	0
1990	184,249	735,728	103,856	0
1991	193,854	776,528	99,928	0
1992	190,172	842,576	96,810	0
1993	210,129	634,957	87,667	0
1994	237,092	696,018	79,528	56
1995	263,822	673,775	78,884	56
1996	278,440	666,036	73,365	24
1997	281,881	738,368	70,176	45
1998	314,409	903,836	64,782	54
1999	337,119	971,230	61,126	52
2000	338,900	1,088,328	60,726	65
2001	368,749	1,363,879	57,433	73
2002	373,161	1,453,957	54,801	102
2003	376,270	1,539,318	52,970	124
2004	396,493	1,592,203	51,940	116
2005	404,319	1,639,317	51,770	111
2006	446,742	1,816,201	52,974	112
2007	453,568	2,047,882	54,116	120
2008	467,644	2,274,850	53,045	150
2009	431,107	2,335,328	51,531	155
2010	442,522	2,305,525	53,891	162
2011	438,673	2,159,422	54,621 R	241
2012	401,442	2,022,275	57,966	266
2013	387,924	1,858,207	63,487 R	280
2014	395,665	1,794,413	76,119 R	283
2015	375,773	1,808,519	86,409 R	183
2016	297,218	1,662,909 R	72,553 R	0
2017	316,454	1,585,487	75,669	0

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
c Includes lease condensate.
d Includes denaturant. Estimated using production and production capacity data.
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 - 2017

Year	Fossil Fuels			Nuclear	Renewable Energy			Total
	Coal [a]	Natural Gas [b]	Crude Oil [c]	Electric	Biofuels [d]	Other [e]	Total [f]	
	Trillion Btu							
1960	35.2	198.2 R	776.7	0.0	NA	8.2	8.2	1,018.2
1961	43.9	212.5 R	823.2	0.0	NA	8.3	8.3	1,087.9
1962	44.6	223.7	787.9	0.0	NA	11.7	11.7	1,068.0
1963	54.3	228.2 R	837.6	0.0	NA	10.6	10.6	1,130.7 R
1964	53.9	254.2 R	804.8	0.0	NA	10.6	10.6	1,123.4 R
1965	56.7	257.4 R	802.2	0.0	NA	10.8	10.8	1,127.1 R
1966	63.8	265.6 R	779.9	0.0	NA	11.1	11.1	1,120.4
1967	62.4	262.0 R	790.6	0.0	NA	9.6	9.6	1,124.6 R
1968	66.5	271.2 R	836.7	0.0	NA	11.6	11.6	1,185.9
1969	80.0	331.2	898.7	0.0	NA	13.0	13.0	1,322.9 R
1970	125.5	369.5 R	930.0	0.0	NA	12.1	12.1	1,437.1 R
1971	139.9	413.5 R	859.1	0.0	NA	15.3	15.3	1,427.8 R
1972	189.9	415.1 R	812.1	0.0	NA	13.5	13.5	1,430.5 R
1973	275.6	394.6 R	823.1	0.0	NA	14.0	14.0	1,507.3 R
1974	386.1	352.3 R	812.0	0.0	NA	16.2	16.2	1,566.7 R
1975	434.6	320.3 R	788.5	0.0	NA	13.2	13.2	1,556.5 R
1976	562.9	339.5 R	778.1	0.0	NA	12.5	12.5	1,693.0 R
1977	829.7	338.1 R	791.5	0.0	NA	9.9	9.9	1,969.3 R
1978	1,040.7	352.6 R	796.8	0.0	NA	12.8	12.8	2,202.9 R
1979	1,273.8	416.2 R	765.0	0.0	NA	13.9	13.9	2,468.9 R
1980	1,689.9	461.6 R	732.9	0.0	NA	14.3	14.3	2,898.6 R
1981	1,805.4	464.8 R	757.3	0.0	0.0	12.1	12.1	3,039.6 R
1982	1,884.0	458.4 R	686.1	0.0	0.0	12.2	12.2	3,040.7 R
1983	1,952.0	508.4 R	686.2	0.0	0.0	15.8	15.8	3,162.3 R
1984	2,262.2	598.0 R	720.8	0.0	0.0	17.2	17.2	3,598.2 R
1985	2,430.7	497.3 R	745.4	0.0	0.0	15.0	15.0	3,688.4 R
1986	2,363.2	469.6 R	703.8	0.0	0.0	16.2	16.2	3,552.8 R
1987	2,536.3	571.1 R	668.5	0.0	0.0	11.1	11.1	3,787.1 R
1988	2,850.2	587.2 R	661.1	0.0	0.0	11.4	11.4	4,109.9 R
1989	2,972.7	752.5 R	624.7	0.0	0.0	10.4	10.4	4,360.3 R
1990	3,194.5	857.1 R	602.4	0.0	0.0	9.5	9.5	4,663.4 R
1991	3,356.5	877.1 R	579.6	0.0	0.0	10.5	10.5	4,823.7 R
1992	3,301.8	943.9 R	561.5	0.0	0.0	8.8	8.8	4,816.0 R
1993	3,633.4	720.0 R	508.5	0.0	0.0	10.2	10.2	4,872.0 R
1994	4,093.4	789.9 R	461.3	0.0	0.3	11.6	11.9	5,356.5 R
1995	4,551.8	775.3 R	457.5	0.0	0.3	10.4	10.7	5,795.3 R
1996	4,817.1	779.8 R	425.5	0.0	0.1	14.7	14.8	6,037.2 R
1997	4,886.1	861.8 R	407.0	0.0	0.3	16.2	16.4	6,171.3 R
1998	5,450.5	1,032.3 R	375.7	0.0	0.3	15.6	15.9	6,874.4 R
1999	5,838.0	1,096.9 R	354.5	0.0	0.3	14.0	14.3	7,303.7 R
2000	5,892.3	1,231.6 R	352.2	0.0	0.4	14.8	15.2	7,491.3 R
2001	6,407.6	1,538.9 R	333.1	0.0	0.4	14.5	14.9	8,294.5 R
2002	6,486.1	1,627.0 R	317.8	0.0	0.6	12.0	12.6	8,443.6 R
2003	6,551.3	1,714.6 R	307.2	0.0	0.7	11.3	12.1	8,585.3 R
2004	6,909.0	1,772.3 R	301.3	0.0	0.7	13.7	14.4	8,997.0 R
2005	7,019.8	1,811.9 R	300.3	0.0	0.7	18.4	19.1	9,151.1 R
2006	7,740.0	1,990.7 R	307.2	0.0	0.7	18.7	19.4	10,057.2 R
2007	7,847.6	2,231.3 R	313.9	0.0	0.7	17.6	18.3	10,411.1 R
2008	8,087.4	2,463.0 R	307.7	0.0	0.9	20.8	21.7	10,879.8 R
2009	7,459.9	2,536.2 R	298.9	0.0	0.9	33.1	34.0	10,328.9 R
2010	7,658.3	2,512.9 R	312.6	0.0	0.9	43.8 R	44.7 R	10,528.5 R
2011	7,591.7	2,375.3 R	316.8 R	0.0	1.4	58.8 R	60.2 R	10,344.0 R
2012	6,973.7	2,240.5 R	336.2	0.0	1.5	52.0 R	53.5	9,603.9 R
2013	6,760.4	2,050.8 R	368.2 R	0.0	1.6	51.3	52.9	9,232.4 R
2014	6,880.2	1,982.4 R	441.5 R	0.0	1.6	52.4	54.0	9,358.1 R
2015	6,538.2	1,998.3 R	494.0 R	0.0	1.0	48.7 R	49.7 R	9,080.3 R
2016	5,169.9	1,878.1 R	415.1	0.0	0.0	54.6 R	54.6 R	7,517.8 R
2017	5,516.8	1,782.7	433.1	0.0	0.0	56.0	56.0	7,788.4

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production.
[c] Includes lease condensate.
[d] Biomass inputs (feedstock) for fuel ethanol production.
[e] Wood energy production plus consumption of geothermal, hydroelectric power, solar, wind, and biomass waste energy.
[f] Before 1981, excludes biofuels.
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

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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. Data are compiled by EIA's Office of Survey Development and Statistical Integration from information collected by EIA (and its predecessor agencies) and other publicly available sources.

Purpose

Energy production data in physical units are collected by various Offices in EIA that conduct energy surveys. Data are published in various EIA reports and on the EIA website. They are, however, usually presented for the latest time period or a shorter time series; data for earlier years may not be available, even electronically. Furthermore, it is not possible to compare across fuels that are reported in different units or to calculate total energy production within a state. The integrated state energy production database is developed to provide a standardized set of production data that allows 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]
- Renewable energy and nuclear electric power

Production data for coal, crude oil, and natural gas are collected from EIA sources and earlier reports published by other agencies. They are converted from physical units (short tons, barrels, and cubic feet) to British thermal units (Btu) using estimated heat content, so that different forms of energy can be compared. The heat content per unit of physical unit (i.e., thermal conversion factors) provided in SEDS represents the gross (or higher or upper) energy content of the fuel.

Renewable energy includes biofuels and other renewable energy (geothermal, hydroelectric power, solar, wind, wood, and biomass waste). Biofuels generally comprise fuel ethanol and biodiesel, but the latter is yet to be covered in SEDS. State-level production of fuel ethanol in thousand barrels is estimated using data provided by some states and ethanol plant capacity data. Biofuel production in Btu is defined as the total heat content of biomass inputs (or feedstock) used in the production of fuel ethanol. That is, it includes the losses and co-products from the production of fuel ethanol. Production of other renewable energy is assumed to equal consumption except for wood production from 2016 forward. See Section 5 for the description of renewable energy concepts and estimation procedures.

Nuclear electric power in Btu is taken from the SEDS consumption database and input into the production database.

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). Production of domestically produced fossil fuels used for electricity generation is counted as production in the producing state, whereas production of nuclear fuels and renewable energy used for electricity generation is counted as production in the electricity generating state.

Sections 2 through 5 of this documentation describe the data sources and the estimation methodologies used to derive the production series for each energy source.

Comparability

To maintain internal consistency, U.S. estimates are computed by summing the estimates for all states, the District of Columbia, and federal offshore production, if any. U.S. totals may not exactly equal the national data published in

[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.

other EIA publications because of rounding differences or differences in estimation methodology. In particular, the differences between the U.S. production estimates in SEDS and the national data published in the *Monthly Energy Review* (MER) are summarized in the box below.

Differences between production estimates in SEDS and MER

Annual time series of production data at the national level are published in the *Monthly Energy Review* (MER) in both physical units and Btu. The differences between the physical unit production data in SEDS and MER are very minor and are due mostly to rounding. Because SEDS computes the Btu production of coal and natural gas using state conversion factors and also excludes biodiesel in renewable energy production, the differences between the Btu production data are more noticeable.

Coal

Using the state conversion factors from EIA's Office of Oil, Gas and Coal Supply Statistics, SEDS coal production estimates in Btu are, on average, within 1% of the MER estimates. Beginning in 1989, 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 presents marketed production for natural gas using state-level conversion factors, in contrast to the MER, EIA's national energy publication, which presents production data for dry natural gas and natural gas plant liquids using national-level conversion factors. The differences between the SEDS series and the sum of the two MER series are less than 0.5% in most years. The maximum difference is 10.4% in 1983. No attempt has been made to reconcile the two sets of estimates.

Renewable and nuclear energy

The SEDS and MER production estimates are either identical or very similar for the renewable energy sources and nuclear-generated electricity. The only exception is the production of biofuels. MER covers both fuel ethanol and biodiesel in biofuels, whereas SEDS covers only fuel ethanol. Similarly, the heat content of biofuels production in MER includes biomass inputs to the production of fuel ethanol and biodiesel, while SEDS includes only biomass inputs to the production of fuel ethanol.

Section 2. Coal

Annual coal production in short tons is collected 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. The state data for 1960 forward used in SEDS are provided by EIA's Office of Electricity, Renewables and Uranium Statistics (ERUS) Coal Statistics Team. Beginning in 2001, coal production includes a small volume of refuse recovery, which is allocated to the states by ERUS.

The state-level conversion factors in Btu per pound are also developed by ERUS. Factors are based on 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. For states that have a significant amount of their coal consumed in coke plants or other manufacturing industries or exported, conversion factors are adjusted upward to reflect a higher Btu content of coal produced for such uses. Factors for 1960-1971 are derived from the 1972 data. Consequently, the resultant Btu production estimates for the earlier years deviate more from the *Monthly Energy Review* national Btu estimates, which are based on average conversion factors computed at the national level.

The conversion factors are converted from Btu per pound to million Btu per thousand short ton before they are imported into the database.

Variable names and definitions

The independent data series identifying codes for coal data are as follows (the two-letter state code is represented by "ZZ" in the variable names):

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

Coal production in billion Btu is calculated by the following formula:

CLPRBZZ = CLPRPZZ * CLPRKZZ

The U.S. total production, CLPRPUS and CLPRBUS, are calculated as the sum of the states' values. And the average conversion factor for the U.S. total is derived:

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; used 1972 factors.
- 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

Production of crude oil (including lease condensate) in thousand barrels is compiled by EIA's Office of Oil, Gas and Coal Supply Statistics. Before 1976, production data were compiled by the U.S. Department of the Interior, Bureau of Mines. Annual data at the state level from 1981 forward are extracted from EIA, Petroleum Data, Crude Oil Production. Data before 1981 are extracted from the publications described in Sources below.

Prior to 2015, data in thousand barrels are converted into billion Btu using a fixed conversion factor of 5.8 million Btu per barrel.

For 2015 forward, the heat content of crude oil is calculated by EIA based on conversion of American Petroleum Institute (API) gravity ranges of crude oil production.

Federal offshore production

For 1981 forward, federal offshore crude oil production data in the Petroleum Administration for Defense (PAD) District 3 (Gulf Coast) and PAD District 5 (West Coast) regions are available from the EIA petroleum data source. Before 1981, in the data source, federal offshore crude oil production for PAD District 3 is included with Alabama, Louisiana, and Texas, and that for PAD District 5 with California.

To maintain compatibility of state-level production over time, Outer Continental Shelf (OCS) total oil production for the Gulf of Mexico (GOM) Planning Areas and the Federal Pacific Offshore area before 1981 from the U.S. Department of the Interior are used to represent federal offshore production for PAD Districts 3 and 5. GOM Central Planning Area production is removed from Louisiana, GOM Western Planning Area production is removed from Texas, and the Pacific OCS production is removed from California.

Variable names and definitions

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

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

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

Crude oil production in billion Btu is calculated by the following formula:

PAPRBZZ = PAPRPZZ * COPRKUS

The U.S. total production, PAPRPUS and PAPRBUS, are calculated as the sum of the values for the states and federal offshore regions.

Data sources

PAPRPZZ — Crude oil production (including lease condensate), 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)

Natural gas production data in cubic feet are collected and compiled by EIA's Office of Oil, Gas and Coal Supply Statistics (OGCSS).

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 defined as gross withdrawals less 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 (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 now called *NGPL production, gaseous equivalent*. *Dry natural gas* is the resultant product that is ready for pipeline transmission and distribution. Information on terms and definitions, sources, and explanatory notes can be found at http://www.eia.gov/dnav/ng/TblDefs/ng_prod_sum_tbldef2.asp.

The SEDS state energy production database 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. The Btu content of NGPL is calculated by weighting the heat content of each NGPL component by its production volume. This method is not used for SEDS because production data for the NGPL components are not available at the state level. Instead, SEDS presents data for natural gas marketed production, which is the sum of NGPL production and dry natural gas.

To estimate the heat content of marketed production, state-level dry natural gas production data in cubic feet are converted to Btu using state-level heat content factors of natural gas delivered to consumers, and state-level NGPL production data in cubic feet are converted to Btu using regional weighted average heat content factors for the five major NGPL components. They are then combined to form marketed production at the state level.

Dry production

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

Federal offshore production

For 1997 forward, federal offshore production in the Gulf of Mexico (GOM) is available separately from the data source. Before 1997, GOM federal offshore production is included with Alabama, Louisiana, and Texas in the data source. To maintain compatibility of state-level production over time, 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 are used to represent federal offshore production for GOM before 1996. GOM Eastern Planning Area production is removed from Alabama, GOM Central Planning Area production is removed from Louisiana, and GOM Western Planning Area production is removed from Texas.

For all years, federal offshore production off the Pacific coast is included with California.

Conversion factors

State-level heat content factors for natural gas delivered to consumers are compiled by OGCSS. They are used to convert dry production of natural gas from million cubic feet to billion Btu, and are available in SEDS at http://www.eia.gov/state/seds/sep_use/total/csv/use_convfac.csv.

Average conversion factors for dry natural gas from the federal offshore GOM are calculated 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

Annual NGPL production, gaseous equivalent, data at the state level from 1970 forward are taken from EIA, Natural Gas Data, Gross Withdrawals and Production, NGPL Production, Gaseous Equivalent table. From 2012 forward, NGPL production, gaseous equivalent, is reported for the GOM federal offshore production. Before 2012, it was allocated to the states that processed the GOM natural gas.

Conversion factors

To convert NGPL production, gaseous equivalent, to Btu, a set of conversion factors is calculated in two steps.

The first step is to calculate production-weighted averages of the heat content factors of the five major products comprising NGPL. Because EIA only publishes production data in barrels for each NGPL product for the PAD districts and refining districts,[2] the weighted averages can only be calculated at the PAD district level. The heat content 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

The second step is to convert the weighted averages from million Btu per barrel to thousand Btu per cubic foot. 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 is compiled. Annual PAD district-level conversion factors in thousand Btu per cubic foot are computed by multiplying the PAD district weighted averages with the ratio. They are then applied to each state's NGPL production, gaseous equivalent, to generate 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 were extracted from the *Minerals Yearbook* published by the U.S. Department of the Interior Bureau of Mines. They were converted to Btu using the 1970 derived state-level marketed production conversion factors.

Federal offshore production

For 1960 through 1969, Outer Continental Shelf (OCS) total gas production for the Gulf of Mexico (GOM) Planning Areas from the U.S. Department of the Interior are used to represent federal offshore marketed production. GOM Eastern Planning Area production is removed from Alabama, GOM Central Planning Area production is removed from Louisiana, and GOM Western Planning Area production is removed from Texas.

Variable names and definitions

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

NGPRPZZ = Dry natural gas production, 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, million cubic feet, by state; and
NGELKZZ = Factor for converting NGPL production, gaseous equivalent, from million cubic feet to billion Btu, by state.

[2] For a description and maps of PAD districts and refining districts, see Appendix A of *Petroleum Supply Monthly*.

Dry production and NGPL production in Btu are calculated:

NGPRBZZ = NGPRPZZ * NGTCKZZ
NGELBZZ = NGELPZZ * NGELKZZ

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

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

For 1960 through 1969, the independent data series is:

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

The Btu content of marketed production is estimated using the state-level conversion factors for 1970:

NGMPBZZ = NGMPPZZ * 1970's NGMPKZZ

The U.S. marketed production, NGMPPUS and NGMPBUS, are calculated as the sum of the values for the states and federal offshore GOM, and the U.S. conversion factor, NGMPKUS, is derived 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, a simple average of the conversion factors for dry natural gas and NGPL for the specific state and year is used to convert the marketed production from cubic feet to Btu.

Data sources

NGPRPZZ — Dry natural gas production, 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, 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, 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. Renewable Energy and Nuclear Energy

Renewable energy includes biofuels and "other renewable energy," which covers wood, biomass waste, and other noncombustible renewable energy sources. The coverage and estimation of biofuel production are explained below. Other renewable energy is mainly used in heat and power generation, so, in general, production is assumed to equal consumption—that is, energy is produced when it is consumed. One exception is wood pellet production, which about two-thirds is exported to other countries and not domestically consumed. EIA began collecting information on densified biomass (predominantly wood pellets) in 2016. For 2016 forward, wood energy production is defined to be the sum of wood energy consumption and densified biomass exports.

Nuclear energy is used for generating electric power, so production is assumed to equal consumption of power generation.

Biofuels

Biofuels generally comprise fuel ethanol and biodiesel, but only fuel ethanol is covered in SEDS. State-level fuel ethanol production and losses and co-products[3] from fuel ethanol production are estimated separately. The physical unit of fuel ethanol available in EIA is denatured, that is, it includes a small amount of denaturant (mostly natural gasoline) that makes it unfit for human consumption.

Fuel ethanol production in physical unit

National fuel ethanol production data from 1981 forward are published in the *Monthly Energy Review* and on the EIA petroleum data website. State-level production data are scarce, however. In the 2007 data cycle, time-series data for fuel ethanol production were collected for Iowa, Minnesota, Nebraska, South Dakota, and Wisconsin through 2007.[4] These five states accounted for about two-thirds of total U.S. fuel ethanol production. The remaining portion of fuel ethanol production is allocated to all other states using state-level operating production capacity estimates. For 2008 and 2009, production data were available for only two states, Iowa and Wisconsin. In 2010, production data for Iowa were no longer available. It was decided that operating production capacity for all states would be used to allocate the national production data to the states from 2010 forward.

Monthly information on operating production capacity by plant, which excludes plants that are idled, is compiled by the Renewable Fuels Association from 2005 forward.[5] SEDS uses the version edited by the Nebraska Energy Office, which allocates multi-state production capacity reported by companies to the individual states. Average monthly operating capacity data are used to represent capacity for the year. Capacity data for January 2005 are used for 2004.

Operating capacity data for January 1, 1993 through 1995 are published in the *Petroleum Supply Annual*, 1992 through 1994. They are used to represent production capacity for 1992 through 1994. For the remaining years, data on individual plants are collected from various sources. When no information is available for a state, capacity data for 1995 through 2003 are estimated using straight-line interpolation, and capacity data before 1992 are assumed to be the same as 1992.

With a complete set of production capacity estimates for states with no production data, a set of annual state shares are calculated and applied onto the residual production data (national production less the available state production data) to compute production estimates for those states. From 2010 forward, this method is used for all states.

Heat content of biomass used in fuel ethanol production

Because fuel ethanol is produced from corn and other biomass inputs, EIA defines the heat content of biofuels to be the total biomass inputs (feedstock) 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 difference between total biomass inputs and fuel ethanol produced is the losses and co-products from fuel ethanol production.[6]

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

[4] Some data in the earlier years for Minnesota, Nebraska, South Dakota, and Wisconsin are not available and are estimated using plant capacity information or by assumption.

[5] Capacity data for 2002-2004 are also available but they cannot be used because they include capacity under construction.

[6] See footnotes in Table 10.3 of *Monthly Energy Review*.

Before computing the heat content of fuel ethanol produced, an adjustment is made to remove denaturant from the physical unit of fuel ethanol produced. From 2009 forward, the volume of denaturant for the United States is estimated from survey data and is available in the *Monthly Energy Review*. Prior to 2009, it is assumed to be 2% of fuel ethanol production. The national adjustment ratio is applied to the states.

The adjusted fuel ethanol production in physical units is converted to Btu using a fixed thermal conversion factor of 3.539 million Btu per barrel. Estimates for losses and co-products at the state level are calculated by applying the state fuel ethanol production shares to the national losses and co-products. The sum of the Btu values of fuel ethanol production and losses and co-products gives the heat content of the biomass inputs to the production of fuel ethanol.

Variable names and definitions

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

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

The heat content data series in billion Btu are defined as follows:

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

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

Data sources

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

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

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

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

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

- 1981 forward: Based on production capacity data from Nebraska Energy Office (http://www.neo.ne.gov/statshtml/122_archive.htm); production data (for selected years before 2010) supplied by Iowa, Minnesota, Nebraska, South Dakota, and Wisconsin; *Petroleum Supply Annual* (1992, 1993, and 1994); and other sources.

Other renewable energy

Other renewable energy sources covered in SEDS include:

- Geothermal energy
- Conventional hydroelectric power
- Solar thermal and photovoltaic energy
- Wind energy
- Wood energy
- Biomass waste energy

With the exception of wood, production of all other renewable energy sources is assumed to equal consumption. The estimation methods and data sources for renewable energy consumption are described in Section 5: Renewable Energy, SEDS Consumption Technical Notes.

Wood

For 2016 forward, wood energy production equals wood energy consumption plus exports of densified biomass exports, which are predominantly wood pellets for utility use. Total U.S. densified biomass exports in British thermal units (Btu) are calculated by EIA with exports and heat content data collected from EIA 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, it is assumed that all densified biomass exports are utility wood pellets produced in the South Census Region. First, the annual operating capacity of the plants in the South Central Region that generally export densified biomass are aggregated to the state-level, using EIA's "Monthly Densified Biomass Fuel Report," Table 1. State-level exports are calculated by applying the state's operating capacity share to the U.S. total densified biomass exports. These export estimates are added to state-level wood energy consumption to derive the total state-level wood energy production estimates.

Before 2016, wood energy production is assumed to equal consumption.

Variable names and definitions

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

GETCBZZ	=	Geothermal energy total consumption, billion Btu;
HYTCBZZ	=	Conventional hydroelectric power total consumption, billion Btu;
SOTCBZZ	=	Solar thermal and photovoltaic energy total consumption, billion Btu;
WDEXBZZ	=	Densified biomass exports, billion Btu (available for 2016 forward);
WDTCBZZ	=	Wood energy total consumption, billion Btu;
WSTCBZZ	=	Biomass waste energy total consumption, billion Btu; and
WYTCBZZ	=	Wind energy total consumption, billion Btu.

Renewable energy production series in billion Btu are defined as follows:

WDPRBZZ	=	Wood energy production, billion Btu	
	=	WDTCBZZ	before 2016
	=	WDTCBZZ + WDEXBZZ	for 2016 forward
ROPRBZZ	=	Renewable energy production, other than fuel ethanol, billion Btu	
	=	GETCBZZ + HYTCBZZ + SOTCBZZ + WDPRBZZ + WSTCBZZ + WYTCBZZ	
REPRBZZ	=	Renewable energy production, billion Btu	
	=	EMFDBZZ + ROPRBZZ	

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

Data sources

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

- 2016 forward: Estimated by EIA based on EIA Form-63C, "Monthly Densified Biomass Fuel Report," http://www.eia.gov/biofuels/biomass/#table_data, exports and heat content values.

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

- 2016 forward: EIA Form-63C, "Monthly Densified Biomass Fuel Report," http://www.eia.gov/biofuels/biomass/, Table 1.

Renewable energy consumption, billion Btu, by state.

- 1960 forward: EIA State Energy Data System, Btu consumption data file, http://www.eia.gov/state/seds/sep_use/total/csv/use_all_btu.csv.

Nuclear energy

State-level electricity net generation from nuclear power plants are used to represent nuclear energy production. Nuclear energy consumption in Btu is net generaion multiplied by the nuclear heat rate factors. The definition, data sources, and estimation methodology are described in Section 6: Electricity, SEDS Consumption Technical Notes.

Consumption estimates in billion Btu are extracted from the SEDS consumption database for incorporation into the production database.

Variable name and definition

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

NUETBZZ = Nuclear electric power consumed, 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 and hydroelectric power plants.