

Table C3. Primary Energy Consumption Estimates, 2016
(Trillion Btu)

State	Fossil Fuels										Fossil Fuels (as commingled)		
	Coal	Natural Gas excluding Supplemental Gaseous Fuels ^a	Petroleum							Total	Total	Natural Gas including Supplemental Gaseous Fuels ^a	Motor Gasoline including Fuel Ethanol ^a
			Distillate Fuel Oil	HGL ^b	Jet Fuel ^c	Motor Gasoline excluding Fuel Ethanol ^a	Residual Fuel Oil	Other ^d	Total				
Alabama	410.2	715.7	169.4	8.6	18.0	309.1	11.9	36.3	553.3	1,679.2	715.7	332.7	
Alaska	16.6	330.9	64.4	1.2	104.8	35.2	0.0	27.4	233.0	580.5	330.9	35.2	
Arizona	323.9	371.5	149.1	8.7	24.9	324.3	0.0	25.2	532.1	1,227.5	371.5	349.0	
Arkansas	246.4	315.7	113.6	6.7	8.5	170.1	(s)	29.7	328.5	890.6	315.7	183.1	
California	32.1	2,248.4	560.4	57.7	672.6	1,714.4	145.8	325.3	3,476.3	5,756.7	2,248.4	1,845.7	
Colorado	321.5	501.1	103.9	16.4	52.5	263.8	0.0	33.8	470.4	1,293.0	505.2	283.9	
Connecticut	2.3	254.7	94.9	10.7	9.5	168.3	0.8	14.4	298.5	555.5	254.7	181.2	
Delaware	8.2	113.6	14.3	4.4	0.7	54.3	1.1	28.4	103.1	224.9	113.6	58.5	
Dist. of Col.	(s)	30.1	2.8	(s)	0.0	13.3	0.0	3.4	19.6	49.7	30.1	14.3	
Florida	426.2	1,414.1	312.1	19.4	155.4	1,008.8	59.1	66.9	1,621.6	3,461.9	1,414.1	1,078.6	
Georgia	399.3	728.0	226.5	18.2	29.3	540.3	8.5	40.2	862.9	1,990.3	728.6	577.7	
Hawaii	16.4	0.2	26.2	3.1	74.3	52.8	60.9	17.8	234.9	251.5	3.0	56.8	
Idaho	2.4	110.3	70.9	5.2	5.5	88.2	(s)	8.0	177.8	290.6	110.3	95.0	
Illinois	702.5	1,045.2	297.3	71.7	161.0	544.7	0.6	169.8	1,245.1	2,992.7	1,056.1	585.0	
Indiana	948.4	780.1	235.0	18.4	50.2	357.5	1.7	102.7	765.6	2,494.1	783.1	382.7	
Iowa	298.0	317.2	150.1	66.3	5.5	192.1	(s)	18.6	432.7	1,047.9	348.6	208.4	
Kansas	253.1	278.1	119.5	9.1	8.7	154.2	3.6	50.7	345.8	877.1	278.1	164.9	
Kentucky	736.6	284.1	156.2	32.2	68.0	250.8	(s)	91.5	598.7	1,619.4	284.1	268.6	
Louisiana	140.5	1,697.4	192.2	495.7	166.1	254.5	37.7	758.2	1,904.4	3,742.3	1,697.9	274.0	
Maine	2.2	54.5	70.7	13.4	6.5	89.6	3.8	6.9	191.0	247.7	54.5	96.2	
Maryland	162.9	229.6	98.5	10.9	8.8	306.5	0.7	22.8	448.2	840.8	230.3	329.7	
Massachusetts	20.1	442.7	144.6	10.6	60.9	315.1	4.7	23.3	559.2	1,021.9	442.7	339.2	
Michigan	471.2	927.5	171.7	44.6	22.8	536.9	3.2	74.4	853.7	2,252.4	927.5	574.2	
Minnesota	261.2	466.5	160.3	34.6	27.3	296.1	0.8	79.0	598.1	1,325.8	466.5	323.7	
Mississippi	61.2	563.4	122.0	9.6	97.2	196.1	3.6	53.4	481.9	1,106.5	563.4	211.1	
Missouri	639.9	273.6	188.1	21.9	16.6	362.7	0.1	35.1	624.6	1,538.1	273.6	388.8	
Montana	161.9	77.6	50.2	8.0	5.4	61.0	0.0	42.8	167.5	407.0	77.6	65.6	
Nebraska	240.5	172.9	111.4	8.9	7.5	102.2	0.0	8.8	238.8	652.2	173.0	109.3	
Nevada	30.8	316.0	64.3	3.8	35.0	131.8	0.0	10.3	245.2	592.0	316.0	141.8	
New Hampshire	5.3	59.5	40.3	16.2	2.5	80.2	1.5	5.4	146.2	211.0	59.5	86.3	
New Jersey	17.5	795.1	176.3	23.4	187.2	469.7	25.0	86.0	967.6	1,780.1	795.4	505.6	
New Mexico	197.1	259.6	92.3	7.0	7.2	107.8	0.0	23.8	238.1	694.8	259.6	116.0	
New York	29.7	1,335.1	330.1	32.7	201.2	635.3	40.0	66.0	1,305.2	2,670.0	1,335.1	681.9	
North Carolina	381.8	540.2	190.9	30.4	14.9	531.0	0.5	51.1	818.8	1,740.8	540.2	567.7	
North Dakota	394.6	105.8	84.8	10.2	5.6	49.6	0.0	17.2	167.4	667.8	111.0	53.4	
Ohio	825.3	996.9	290.5	26.8	67.4	576.8	3.9	153.7	1,118.9	2,941.1	997.2	616.8	
Oklahoma	221.8	738.4	175.0	9.8	52.6	222.4	2.6	73.5	535.9	1,496.1	738.4	237.9	
Oregon	19.4	249.8	100.2	6.4	28.6	178.5	0.8	18.2	332.5	601.8	249.8	192.0	
Pennsylvania	734.8	1,363.8	327.3	46.4	69.2	556.6	3.5	142.3	1,145.3	3,244.0	1,363.8	596.4	
Rhode Island	0.0	88.9	21.2	2.1	4.1	41.8	0.4	6.2	75.9	164.7	88.9	45.0	
South Carolina	221.9	284.2	130.7	9.2	11.7	321.4	10.7	39.2	522.9	1,028.9	284.2	343.7	
South Dakota	26.7	85.6	44.1	7.0	4.9	54.3	(s)	4.8	115.2	227.4	85.6	58.4	
Tennessee	379.8	339.3	167.0	9.6	76.5	386.0	0.1	73.3	712.6	1,431.6	339.3	412.8	
Texas	1,323.1	4,155.6	1,021.9	1,930.4	477.6	1,588.2	191.3	1,196.2	6,405.7	11,884.4	4,155.6	1,709.8	
Utah	269.0	250.9	82.2	4.3	39.4	134.1	0.0	33.6	293.6	813.5	250.9	144.4	
Vermont	0.0	12.4	27.5	9.2	1.6	35.1	0.2	5.1	78.8	91.2	12.4	37.5	
Virginia	222.9	572.1	185.0	21.3	61.5	456.6	7.5	35.2	767.1	1,562.1	572.1	490.0	
Washington	53.3	324.9	156.6	16.5	118.2	315.1	112.5	105.9	824.8	1,203.0	324.9	339.0	
West Virginia	752.0	187.5	77.0	13.1	1.2	93.2	0.3	17.3	202.1	1,141.6	187.5	99.6	
Wisconsin	357.3	499.6	143.7	32.4	10.0	294.7	0.9	45.3	527.0	1,383.9	499.6	317.2	
Wyoming	457.3	133.0	79.2	4.1	3.1	41.5	0.0	28.2	156.1	746.4	133.0	44.7	
United States	14,227.1	28,438.6	8,183.8	3,288.5	3,349.9	16,064.6	750.7	4,432.8	36,070.2	78,716.8	28,498.6	17,251.4	

^a Supplemental gaseous fuels (SGF) and fuel ethanol are consumed with natural gas and motor gasoline, respectively. In this table, natural gas excluding SGF and motor gasoline excluding fuel ethanol are presented so that a fossil fuel total can be calculated. Natural gas including SGF and motor gasoline including fuel ethanol are presented separately for reference.

^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c Includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

^d Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

Where shown, (s) = Value less than 0.05 trillion Btu.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table C3. Primary Energy Consumption Estimates, 2016 (Continued)
(Trillion Btu)

State	Nuclear Electric Power	Renewable Energy										Net Interstate Flow of Electricity ^j	Net Electricity Imports ^k	Total ^l
		Hydro-electric Power ^e	Biomass				Geo-thermal	Solar ⁱ	Wind	Total				
			Wood and Waste ^f	Fuel Ethanol ^g	Losses and Co-products ^h	Total								
Alabama	417.3	64.5	167.4	23.7	0.0	191.0	0.1	0.4	0.0	256.1	-419.0	0.0	1,933.6	
Alaska	0.0	15.3	2.3	0.0	0.0	2.3	0.2	(s)	1.6	19.4	0.0	(s)	600.0	
Arizona	338.6	66.2	6.6	24.7	2.6	33.9	0.3	52.8	5.0	158.2	-254.2	0.4	1,470.6	
Arkansas	140.4	33.0	77.9	13.0	0.0	91.0	0.8	0.4	0.0	125.1	-99.6	0.0	1,056.5	
California	197.8	267.2	137.0	131.3	11.6	279.8	107.9	267.1	124.7	1,046.7	797.8	31.2	7,830.3	
Colorado	0.0	17.6	10.6	20.2	6.7	37.5	0.8	9.5	87.0	152.3	39.3	(s)	1,484.6	
Connecticut	173.4	2.1	25.2	12.9	0.0	38.1	(s)	4.1	0.1	44.4	-51.2	1.9	723.9	
Delaware	0.0	0.0	1.8	4.2	0.0	6.0	0.4	1.1	(s)	7.6	41.0	0.0	273.5	
Dist. of Col.	0.0	0.0	0.8	1.0	0.0	1.8	(s)	0.3	0.0	2.1	122.3	0.0	174.2	
Florida	306.7	1.6	182.5	69.8	0.0	252.3	10.1	30.2	0.0	294.1	177.6	0.0	4,240.2	
Georgia	360.6	31.1	214.2	37.4	6.4	258.0	0.3	10.2	0.0	299.7	188.4	0.0	2,838.9	
Hawaii	0.0	0.8	8.5	4.0	0.0	12.5	2.4	9.8	5.9	31.4	0.0	0.0	282.9	
Idaho	0.0	83.4	22.7	6.7	3.2	32.6	2.2	0.4	23.8	142.3	95.5	(s)	528.5	
Illinois	1,031.3	1.2	24.3	40.3	83.9	148.6	2.0	2.0	98.4	252.3	-369.3	0.0	3,907.1	
Indiana	0.0	3.9	30.4	25.2	61.6	117.2	4.6	2.4	45.2	173.4	134.7	(s)	2,802.3	
Iowa	49.2	8.5	20.1	16.3	207.7	244.1	1.3	0.6	185.3	439.7	-7.0	0.0	1,529.8	
Kansas	86.2	0.3	6.3	10.7	26.4	43.5	1.0	0.1	130.3	175.2	-45.5	0.0	1,093.0	
Kentucky	0.0	32.1	35.2	17.8	1.9	54.9	2.7	0.4	0.0	90.1	-7.1	0.0	1,702.4	
Louisiana	179.4	10.2	136.3	19.5	0.0	155.7	1.8	1.8	0.0	169.6	114.0	0.0	4,205.3	
Maine	0.0	27.7	90.6	6.6	0.0	97.2	0.1	0.4	15.4	140.7	-17.5	16.9	387.8	
Maryland	154.4	12.9	26.0	23.2	0.0	49.3	0.6	6.8	4.9	74.4	289.4	0.4	1,359.3	
Massachusetts	56.6	6.6	37.4	24.1	0.0	61.5	0.9	17.5	2.0	88.4	252.3	3.4	1,422.8	
Michigan	330.0	14.4	92.9	37.3	14.5	144.7	5.2	1.1	43.4	208.7	-66.1	26.6	2,751.6	
Minnesota	145.0	11.2	72.5	27.6	62.1	162.3	1.1	0.6	91.7	266.8	40.4	28.9	1,806.9	
Mississippi	61.7	0.0	56.3	15.0	2.9	74.2	1.0	0.1	0.0	75.2	-77.1	0.0	1,166.3	
Missouri	98.6	11.7	26.4	26.1	13.5	66.0	0.4	1.9	10.4	90.3	52.9	0.0	1,780.0	
Montana	0.0	93.1	4.4	4.7	0.0	9.1	0.3	0.1	19.8	122.4	-135.3	0.4	394.5	
Nebraska	97.8	7.9	4.1	7.1	105.8	117.0	1.2	0.1	35.1	161.2	-42.9	(s)	868.3	
Nevada	0.0	16.5	2.5	10.0	0.0	12.5	32.5	33.3	3.2	97.9	-10.9	0.2	679.1	
New Hampshire	112.6	10.6	35.8	6.0	0.0	41.8	(s)	0.5	4.0	56.9	-80.2	0.7	300.9	
New Jersey	312.6	0.1	28.4	35.9	0.0	64.3	0.5	22.2	0.2	87.3	38.9	0.5	2,219.4	
New Mexico	0.0	1.4	6.3	8.3	0.0	14.6	0.5	8.6	33.3	58.3	-85.3	(s)	667.8	
New York	434.8	248.2	76.5	46.6	8.9	132.0	1.2	10.6	36.4	428.5	67.0	61.2	3,661.5	
North Carolina	447.5	40.8	110.2	36.7	0.0	146.9	1.0	33.4	0.1	222.1	143.3	0.0	2,553.8	
North Dakota	0.0	17.7	2.6	3.8	24.7	31.1	1.0	(s)	75.4	125.2	-213.6	7.0	586.4	
Ohio	175.9	4.6	52.7	40.1	28.1	120.9	3.4	1.9	11.5	142.3	425.5	(s)	3,684.8	
Oklahoma	0.0	23.8	31.0	15.5	0.0	46.5	(s)	0.1	185.3	255.7	-115.8	0.0	1,636.0	
Oregon	0.0	319.0	59.4	13.5	2.2	75.1	2.9	3.1	66.1	466.2	-93.3	2.8	977.5	
Pennsylvania	867.3	21.9	104.7	39.8	5.8	150.4	2.2	4.1	32.1	210.6	-567.6	1.1	3,755.3	
Rhode Island	0.0	(s)	3.3	3.2	0.0	6.5	0.1	0.4	0.2	7.3	13.6	0.5	186.2	
South Carolina	583.9	20.6	104.9	22.2	0.0	127.1	0.6	0.4	0.0	148.7	-108.2	0.0	1,653.3	
South Dakota	0.0	44.4	2.2	4.2	55.1	61.5	1.9	(s)	34.3	142.0	13.8	0.0	383.2	
Tennessee	309.4	62.5	62.5	26.8	11.9	101.2	0.2	1.5	0.3	165.9	304.5	0.0	2,211.3	
Texas	440.1	12.4	88.8	121.6	20.6	231.0	2.5	10.9	531.1	787.9	77.7	-6.6	13,183.5	
Utah	0.0	7.0	2.6	10.3	0.0	12.8	5.3	11.2	7.6	43.9	-47.3	(s)	810.1	
Vermont	0.0	9.9	14.4	2.4	0.0	16.9	(s)	1.3	2.7	30.9	-24.0	30.6	128.7	
Virginia	311.0	13.6	110.7	33.5	1.3	145.5	1.7	1.1	0.0	161.8	297.1	0.0	2,332.0	
Washington	100.7	723.3	108.0	23.9	0.0	131.9	1.1	1.0	74.2	931.5	-174.3	-2.7	2,058.2	
West Virginia	0.0	15.1	16.3	6.4	0.0	22.8	(s)	0.1	13.2	51.3	-426.6	0.0	766.2	
Wisconsin	106.2	25.8	88.9	22.6	28.4	139.9	0.6	0.6	14.0	180.9	110.1	0.0	1,781.1	
Wyoming	0.0	9.0	1.1	3.2	0.0	4.2	0.7	(s)	40.5	54.5	-297.9	(s)	502.9	
United States	8,426.8	2,472.4	2,634.4	1,186.9	797.9	4,619.2	209.6	568.7	2,095.6	9,965.5	0.0	205.6	97,314.7	

^e Conventional hydroelectric power. Does not include pumped-storage hydroelectricity.
^f Wood, wood-derived fuels, and biomass waste.
^g Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.
^h Losses and co-products from the production of fuel ethanol.
ⁱ Solar thermal and photovoltaic energy.
^j Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during

the year.
^k Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
^l U.S. total includes -19.1 trillion Btu of net imports of coal coke that are not allocated to the states.
Where shown, (s) = Value less than +0.05 and greater than -0.05 trillion Btu.
Note: Totals may not equal sum of components due to independent rounding.
Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.