

Table C3. Primary energy consumption estimates, 2023
(trillion Btu)

State	Fossil fuels										Fossil fuels (as commingled)		
	Coal	Natural gas excluding supplemental gaseous fuels ^a	Petroleum							Total ^{e,f}	Natural gas including supplemental gaseous fuels ^a	Distillate fuel oil including biofuels ^a	Motor gasoline including fuel ethanol ^a
			Distillate fuel oil excluding biofuels ^a	HGL ^b	Jet fuel ^c	Motor gasoline excluding fuel ethanol ^a	Residual fuel oil	Other ^{d,e}	Total ^e				
Alabama	224.9	775.7	152.4	9.0	11.2	352.1	7.3	36.3	565.8	1,566.4	775.7	153.8	378.7
Alaska	18.4	448.1	81.9	1.3	126.7	31.5	(s)	29.0	270.4	736.9	448.1	81.9	31.5
Arizona	137.9	537.2	153.3	10.2	79.2	331.5	0.0	25.8	599.7	1,274.7	537.2	153.5	357.9
Arkansas	180.3	399.6	115.4	7.5	6.8	170.7	0.0	28.9	327.5	907.3	399.6	116.5	183.6
California	28.7	2,154.5	523.1	59.6	511.4	1,469.1	151.1	624.7	2,996.2	5,179.4	2,156.2	557.8	1,586.1
Colorado	204.8	525.4	124.3	17.3	77.5	262.8	0.0	32.6	514.2	1,244.4	531.2	124.5	280.8
Connecticut	0.0	304.9	100.5	10.7	9.2	156.7	1.2	17.7	292.9	597.8	304.9	102.4	169.2
Delaware	0.3	84.4	14.8	4.2	11.1	55.5	0.3	25.1	110.7	195.4	84.4	14.9	59.9
Dist. of Col.	0.0	26.2	3.5	0.1	0.0	11.3	0.0	2.5	17.3	43.5	26.2	3.6	12.2
Florida	129.4	1,673.8	319.0	18.5	326.6	1,051.7	59.3	65.6	1,835.4	3,638.6	1,673.9	322.2	1,129.8
Georgia	177.5	787.4	215.6	17.4	128.3	565.9	6.7	50.3	980.5	1,945.4	787.7	217.7	607.9
Hawaii	0.0	0.2	28.7	3.7	95.3	46.7	66.5	12.0	251.7	251.8	2.7	28.9	50.4
Idaho	1.1	154.1	71.9	7.8	8.7	94.1	(s)	7.3	189.6	344.8	154.8	72.0	100.4
Illinois	342.7	1,101.1	267.9	80.1	157.9	461.0	0.8	177.2	1,134.5	2,578.2	1,111.2	274.2	497.0
Indiana	613.5	921.8	214.6	21.6	22.5	334.9	1.9	103.7	695.7	2,231.1	925.0	216.7	360.5
Iowa	201.3	446.7	145.4	66.4	6.5	167.3	0.1	23.9	404.2	1,052.1	472.9	148.7	182.0
Kansas	184.6	309.4	129.6	10.4	8.7	143.6	2.6	52.9	345.8	839.8	311.1	130.7	154.0
Kentucky	481.8	370.0	148.0	37.7	86.1	242.4	0.1	72.9	584.7	1,436.5	370.2	149.4	261.0
Louisiana	58.2	2,055.5	181.9	599.1	20.7	241.5	35.8	544.1	1,620.0	3,733.8	2,100.9	183.7	259.7
Maine	1.3	61.0	67.6	15.1	5.3	79.0	2.3	8.3	177.1	239.4	61.0	67.9	84.9
Maryland	30.3	304.7	89.0	10.3	38.1	273.2	1.2	19.3	429.8	764.8	304.9	89.8	294.8
Massachusetts	0.0	386.9	148.6	11.7	66.7	276.2	1.9	21.7	525.6	912.6	387.0	149.3	298.2
Michigan	287.5	1,104.2	156.9	44.9	47.0	478.6	4.5	81.3	810.8	2,202.5	1,105.1	158.4	514.8
Minnesota	149.0	536.8	143.2	41.2	47.8	263.8	0.1	80.8	567.1	1,252.8	537.1	149.0	289.4
Mississippi	49.6	630.1	118.0	9.6	8.5	187.7	1.9	54.3	378.1	1,057.8	630.1	119.2	201.8
Missouri	442.9	316.5	168.0	24.5	28.9	361.3	(s)	32.6	612.6	1,372.0	316.5	169.6	388.1
Montana	130.1	96.8	51.4	11.4	8.5	60.5	0.0	41.5	173.3	400.1	96.8	51.4	64.6
Nebraska	195.6	206.3	109.4	8.6	6.4	100.8	(s)	10.0	233.6	635.5	206.7	110.4	108.1
Nevada	29.3	301.7	72.0	5.2	79.0	129.6	0.0	10.4	296.2	627.1	301.7	72.0	140.0
New Hampshire	1.8	59.6	42.2	16.9	6.2	76.6	1.4	4.4	147.4	208.8	59.6	42.4	82.6
New Jersey	0.0	721.3	150.3	22.4	108.9	400.2	22.0	85.6	787.3	1,508.5	721.3	151.6	432.0
New Mexico	75.2	337.1	108.1	7.1	8.6	106.7	0.0	22.2	251.7	664.0	337.1	108.7	115.2
New York	4.8	1,346.6	364.7	36.7	269.8	584.8	21.6	72.6	1,341.8	2,693.3	1,348.2	369.7	630.0
North Carolina	153.8	662.3	187.0	32.2	93.8	549.5	0.6	40.2	900.2	1,716.3	662.3	188.8	590.3
North Dakota	325.7	220.8	91.2	10.9	4.9	46.6	0.0	16.6	169.3	715.8	224.9	91.7	50.4
Ohio	413.6	1,448.9	266.4	38.4	48.4	524.6	2.0	134.1	1,009.7	2,872.2	1,452.8	268.9	564.3
Oklahoma	63.8	860.2	172.1	11.7	47.4	212.9	2.3	71.8	515.4	1,439.4	861.5	173.8	228.3
Oregon	0.7	327.2	96.8	8.6	29.9	163.7	0.7	40.6	313.0	640.8	327.3	102.0	176.7
Pennsylvania	307.6	1,937.0	339.2	145.2	62.8	494.2	1.7	94.0	1,133.0	3,377.6	1,943.1	341.6	531.4
Rhode Island	0.0	112.5	27.2	2.2	2.2	39.7	0.1	6.5	76.8	189.3	112.5	27.8	42.8
South Carolina	162.3	346.9	127.3	8.6	18.0	311.5	9.5	34.5	507.1	1,016.4	347.0	128.6	334.6
South Dakota	22.2	99.8	45.0	6.6	3.9	52.9	(s)	6.8	114.6	236.6	102.7	45.4	57.1
Tennessee	202.4	396.9	174.1	10.2	84.9	381.2	0.3	55.3	702.8	1,302.1	396.9	175.9	410.0
Texas	805.6	5,284.7	1,050.4	2,488.0	313.9	1,623.7	150.7	1,142.8	6,752.3	12,842.6	5,295.4	1,060.5	1,753.1
Utah	174.3	299.0	95.1	8.3	43.8	144.0	(s)	33.7	324.6	797.9	299.1	95.3	153.8
Vermont	0.0	13.0	24.3	8.7	1.4	31.5	0.2	4.3	70.2	83.2	13.0	24.4	33.8
Virginia	46.8	656.0	182.4	21.7	114.5	453.2	3.0	35.7	807.5	1,510.3	656.1	184.1	488.4
Washington	49.5	403.0	149.6	16.9	110.4	290.2	65.9	96.2	718.3	1,170.8	405.8	151.0	313.3
West Virginia	472.3	309.0	84.1	14.3	1.4	92.0	(s)	16.4	207.0	988.3	309.0	84.8	98.9
Wisconsin	220.0	565.0	150.8	36.7	12.7	288.7	0.9	37.9	525.4	1,310.4	596.8	152.2	311.7
Wyoming	366.1	181.4	78.9	6.2	3.0	36.0	0.0	20.0	143.9	691.4	181.4	79.0	38.4
United States	8,169.7	33,609.1	8,123.1	4,123.7	3,421.5	15,305.6	628.8	4,389.6	35,460.4	77,206.7	33,774.6	8,238.1	16,484.6

^a Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable energy."

^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.

^e U.S. total includes other biofuels product supplied not allocated to the states.

^f U.S. total includes -32.4 trillion Btu of net imports of coal coke that are not allocated to the states.

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>.

Data source: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>

Table C3. Primary energy consumption estimates, 2023 (continued)
(trillion Btu)

State	Nuclear electric power	Renewable energy											Net interstate flow of electricity ^m	Electricity net imports ⁿ	Total ^{f,k}
		Hydro-electric power ^g	Biomass						Geo-thermal	Solar ^l	Wind	Total ^k			
			Wood and waste ^h	Fuel ethanol ⁱ	Biodiesel	Renewable diesel	Losses and co-products ^j	Total ^k							
Alabama	476.4	28.8	158.4	26.6	4.0	0.0	(s)	189.0	0.1	4.2	0.0	222.2	-404.8	0.0	1,860.2
Alaska	0.0	6.1	3.4	0.0	0.0	0.0	0.0	3.4	0.2	0.1	0.4	10.1	0.0	0.0	747.0
Arizona	329.5	20.3	9.7	26.4	0.4	0.0	0.0	36.6	0.3	45.4	5.9	108.4	-186.1	(s)	1,526.6
Arkansas	156.5	11.0	55.4	12.9	2.9	0.0	0.1	71.3	0.8	4.1	0.0	87.3	-101.2	0.0	1,049.9
California	185.2	110.5	114.6	117.0	34.3	343.3	3.4	612.6	40.6	253.7	47.8	1,065.2	371.7	15.3	6,816.7
Colorado	0.0	5.4	9.3	18.0	0.6	0.0	0.0	35.5	0.8	18.4	54.9	115.1	8.8	0.0	1,368.3
Connecticut	142.9	1.6	23.0	12.5	5.2	0.0	0.1	40.7	(s)	6.6	(s)	49.0	-100.7	0.0	689.0
Delaware	0.0	0.0	1.7	4.4	0.3	0.0	0.0	6.4	0.4	1.2	(s)	8.0	65.0	0.0	268.5
Dist. of Col.	0.0	0.0	1.0	0.9	0.1	0.0	0.0	2.0	(s)	0.8	0.0	2.8	88.9	0.0	135.2
Florida	312.9	0.8	100.6	78.1	8.6	0.0	(s)	187.3	10.1	88.2	0.0	286.3	63.9	0.0	4,301.7
Georgia	390.7	9.8	205.8	42.0	5.7	0.0	(s)	253.5	0.3	27.9	0.0	291.5	211.3	0.0	2,838.8
Hawaii	0.0	0.3	4.6	3.7	1.4	0.0	(s)	8.9	0.7	9.0	2.2	21.0	0.0	0.0	272.9
Idaho	0.0	28.6	26.0	6.4	0.4	0.0	0.0	35.1	1.8	3.7	7.9	77.1	83.4	0.0	505.3
Illinois	1,019.7	0.3	21.5	36.0	16.8	0.0	81.6	155.9	2.0	13.0	74.4	245.7	-356.6	0.0	3,487.0
Indiana	0.0	1.6	31.6	25.6	5.6	0.0	66.1	128.8	4.6	7.7	30.2	172.9	152.0	0.0	2,555.9
Iowa	0.0	3.2	22.3	14.7	8.7	0.0	220.0	265.7	1.3	3.1	141.4	414.8	-61.6	0.0	1,405.3
Kansas	107.7	(s)	4.9	10.4	3.1	0.0	27.1	45.4	1.0	0.7	93.1	140.3	-114.4	0.0	973.4
Kentucky	0.0	13.5	31.0	18.5	4.0	0.0	1.9	55.4	2.7	1.0	0.0	72.6	102.0	0.0	1,611.1
Louisiana	127.6	2.4	109.6	18.2	4.8	0.0	0.0	132.6	1.8	2.1	0.0	139.0	166.4	0.0	4,166.8
Maine	0.0	13.1	57.5	5.9	0.8	0.0	(s)	64.2	0.1	4.1	8.0	89.4	-7.3	7.0	328.6
Maryland	156.6	6.3	13.5	21.7	2.0	0.0	0.0	37.1	0.6	8.0	1.6	53.7	207.5	0.0	1,182.6
Massachusetts	0.0	4.0	32.4	22.0	1.9	0.0	(s)	56.3	0.9	19.8	0.6	81.6	288.6	0.0	1,282.7
Michigan	292.6	4.8	96.7	36.3	4.0	0.0	17.4	154.4	5.2	5.9	28.3	198.5	-153.2	2.9	2,543.2
Minnesota	124.6	2.6	50.6	25.6	15.6	0.0	70.8	162.6	1.1	8.5	49.1	223.9	67.7	20.3	1,689.4
Mississippi	122.8	0.0	46.7	14.2	3.2	0.0	(s)	64.1	1.0	2.3	0.0	67.3	-173.6	0.0	1,074.3
Missouri	95.9	2.7	15.0	26.8	4.3	0.0	15.2	61.3	0.4	3.0	23.1	90.4	123.6	0.0	1,682.0
Montana	0.0	30.0	7.4	4.1	(s)	0.0	0.0	11.5	0.3	1.1	15.5	58.5	-74.2	-2.2	382.2
Nebraska	72.4	3.9	4.5	7.3	2.6	0.0	104.1	118.5	1.2	0.5	40.4	164.5	-32.2	0.0	840.1
Nevada	0.0	4.5	3.4	10.3	0.1	0.0	0.0	13.8	15.7	39.9	1.0	74.9	-12.5	0.0	689.4
New Hampshire	99.7	5.4	24.5	6.0	0.5	0.0	(s)	31.0	(s)	1.1	1.4	39.0	-52.6	0.0	294.9
New Jersey	296.2	(s)	20.8	31.8	3.4	0.0	0.0	56.0	0.5	17.9	0.1	74.4	103.2	0.0	1,982.3
New Mexico	0.0	0.4	6.8	8.5	1.7	0.0	0.0	17.0	0.5	11.5	50.9	80.3	-63.7	0.0	680.5
New York	287.7	97.0	74.2	45.1	13.4	0.0	3.0	135.9	1.2	22.5	16.4	273.0	163.4	19.7	3,437.0
North Carolina	442.5	14.4	82.0	40.8	4.9	0.0	(s)	127.7	1.0	42.0	1.8	186.8	127.2	0.0	2,472.8
North Dakota	0.0	7.2	0.7	3.7	1.4	0.0	28.7	34.5	1.0	(s)	49.4	92.2	-104.0	(s)	703.9
Ohio	169.4	1.7	49.4	39.7	6.7	0.0	36.1	131.9	3.4	6.4	9.6	153.1	186.6	0.0	3,381.3
Oklahoma	0.0	5.1	33.2	15.4	4.4	0.0	0.1	53.2	(s)	0.9	126.3	185.4	-105.7	0.0	1,519.1
Oregon	0.0	89.8	57.4	13.0	10.2	22.3	1.3	104.2	1.8	9.6	30.5	236.1	-1.9	0.0	875.0
Pennsylvania	787.1	9.5	99.6	37.3	6.5	0.0	6.4	149.8	2.2	5.5	11.1	178.0	-735.2	0.0	3,607.5
Rhode Island	0.0	(s)	4.7	3.2	1.6	0.0	0.0	9.4	0.1	3.5	0.6	13.6	-20.0	0.0	183.0
South Carolina	581.4	7.5	96.2	23.1	3.6	0.0	0.0	122.9	0.6	11.5	0.0	142.5	-136.3	0.0	1,603.9
South Dakota	0.0	14.7	3.4	4.2	1.0	0.0	69.2	77.8	1.9	0.2	32.0	126.5	-16.0	0.0	347.2
Tennessee	396.5	27.4	42.2	28.8	5.0	0.0	8.4	84.4	0.2	3.6	0.1	115.7	243.8	0.0	2,058.0
Texas	425.2	2.6	90.9	129.3	27.3	0.0	18.8	266.3	2.5	110.9	408.9	791.2	80.7	-2.2	14,137.5
Utah	0.0	2.6	5.6	9.7	0.5	0.0	0.0	15.8	2.4	16.6	2.3	39.7	16.3	0.0	854.0
Vermont	0.0	5.3	11.6	2.3	0.3	0.0	0.0	14.2	(s)	1.6	1.2	22.2	-28.4	36.1	113.1
Virginia	310.0	4.7	116.1	35.2	4.7	0.0	(s)	155.9	1.7	21.5	0.2	184.0	430.9	0.0	2,435.3
Washington	88.2	209.7	90.7	23.1	1.9	10.5	0.1	126.3	1.1	3.1	25.8	366.0	10.1	-32.4	1,602.7
West Virginia	0.0	5.2	7.0	6.8	2.0	0.0	0.0	15.8	(s)	0.2	7.1	28.4	-183.9	0.0	832.8
Wisconsin	101.2	6.6	76.2	23.0	3.7	0.0	29.4	132.3	0.6	5.6	5.9	151.0	93.6	0.0	1,656.2
Wyoming	0.0	3.1	1.8	2.4	0.3	0.0	0.0	4.5	0.7	0.7	29.5	38.5	-230.1	0.0	499.8
United States	8,099.0	835.9	2,256.9	1,179.0	246.3	376.0	819.3	4,914.8	119.3	880.3	1,436.9	8,187.3	0.0	64.5	93,557.5

^g Conventional hydroelectric power. Excludes hydroelectric pumped-storage.

^h Wood, wood-derived fuels, and biomass waste. Includes small amount of other biomass liquids that are biodiesel.

ⁱ 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.

^j Losses and co-products from the production of biodiesel and fuel ethanol.

^k Adjusted for the double-counting of other biomass liquids that are biodiesel, which are included in both wood & waste and biodiesel, but should be counted only once in Total. U.S. total includes other biofuels not allocated to the states.

^l Solar thermal and photovoltaic energy.

^m 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.

ⁿ Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatt-hours by 3,412 Btu per kilowatt-hour.

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>.

Data source: U.S. Energy Information Administration, State Energy Data System. See technical notes. <https://www.eia.gov/state/seds/>