

Table C3. Primary energy consumption estimates, 2022
(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	297.7	787.2	155.1	10.0	9.6	357.2	8.8	37.9	576.6	1,661.5	787.2	157.4	384.9
Alaska	18.6	437.9	69.8	1.3	119.9	32.3	(s)	29.6	252.4	709.0	437.9	70.4	32.3
Arizona	154.0	468.0	170.0	10.9	74.6	325.9	0.0	28.9	609.0	1,231.1	468.0	172.4	351.9
Arkansas	211.7	397.7	117.4	7.7	6.3	166.8	0.0	28.9	325.5	934.9	397.7	119.1	179.8
California	30.0	2,130.9	555.5	60.0	470.0	1,479.7	182.1	511.8	3,044.7	5,205.7	2,130.9	563.8	1,597.6
Colorado	233.3	524.7	154.4	19.8	73.8	283.4	0.0	37.9	568.9	1,326.9	530.4	156.6	303.0
Connecticut	0.0	307.2	103.6	10.2	10.1	162.0	3.3	14.5	303.3	610.5	307.2	104.2	174.9
Delaware	1.8	89.7	15.9	4.9	9.8	53.4	0.6	27.3	111.9	203.4	89.7	16.1	57.6
Dist. of Col.	0.0	30.2	3.6	0.1	0.0	10.9	0.0	3.3	18.0	48.1	30.2	3.7	11.8
Florida	172.0	1,659.7	326.9	20.0	311.9	1,020.4	71.8	61.0	1,810.6	3,642.2	1,659.7	331.9	1,096.6
Georgia	180.9	812.4	220.4	20.0	133.0	512.2	8.0	45.9	938.6	1,931.9	812.8	223.7	550.4
Hawaii	7.7	0.2	29.0	3.9	88.3	46.0	64.0	11.1	241.9	249.7	2.7	29.2	49.7
Idaho	1.9	141.9	72.2	8.0	10.3	91.4	(s)	7.4	189.2	333.0	141.9	73.3	97.8
Illinois	497.0	1,136.9	276.3	77.8	154.2	460.0	1.0	183.0	1,140.1	2,774.0	1,150.0	280.4	495.8
Indiana	719.2	913.4	218.0	22.4	22.3	334.6	2.3	99.6	696.3	2,329.0	916.6	221.2	359.9
Iowa	227.9	433.7	150.8	72.8	6.4	178.2	0.1	21.3	424.5	1,086.1	467.5	152.5	193.8
Kansas	226.7	318.0	132.2	12.1	8.2	135.7	3.2	55.4	345.0	889.7	318.7	134.0	145.5
Kentucky	523.3	402.5	150.9	40.9	87.3	238.9	0.1	62.3	578.3	1,504.1	402.7	153.2	256.9
Louisiana	96.9	2,073.7	186.1	598.3	20.5	237.3	43.1	572.2	1,655.1	3,825.7	2,073.7	188.8	255.7
Maine	1.3	62.6	66.5	14.1	3.9	70.6	4.7	6.8	166.4	230.2	62.6	67.0	75.9
Maryland	61.9	310.1	92.5	12.2	35.4	250.5	1.2	19.3	410.7	782.7	310.6	93.6	270.4
Massachusetts	0.0	432.4	152.4	12.5	61.5	273.3	4.6	23.1	526.8	959.2	432.5	153.4	295.1
Michigan	423.5	1,087.6	159.4	48.5	43.7	479.5	5.5	87.7	822.2	2,333.3	1,088.2	161.7	515.3
Minnesota	184.5	533.9	150.5	45.9	41.5	262.1	0.2	82.3	573.2	1,291.6	533.9	152.4	287.3
Mississippi	66.2	622.2	120.0	10.7	7.4	186.9	2.3	56.2	382.0	1,070.4	622.2	121.9	201.4
Missouri	566.9	322.5	171.0	28.0	26.5	353.5	(s)	27.2	603.9	1,493.4	322.5	173.5	379.7
Montana	131.3	94.0	51.6	13.5	6.8	61.5	0.0	42.6	176.0	401.3	94.0	52.4	65.8
Nebraska	223.6	198.7	111.1	9.8	6.1	100.0	(s)	10.7	236.2	658.5	199.0	112.6	107.2
Nevada	35.8	302.3	71.9	5.5	77.4	135.8	0.0	12.3	302.2	640.4	302.3	72.8	146.6
New Hampshire	3.9	60.1	44.5	17.1	4.3	75.5	2.5	4.8	148.6	212.6	60.1	44.8	81.5
New Jersey	6.2	755.0	154.5	23.4	98.9	383.9	26.5	82.1	768.6	1,529.8	755.0	156.5	414.5
New Mexico	138.1	302.0	108.2	8.1	8.6	107.0	0.0	23.0	253.9	694.0	302.0	109.9	115.6
New York	6.1	1,402.2	379.7	39.1	240.0	571.6	33.0	62.6	1,319.9	2,728.3	1,403.4	383.4	615.8
North Carolina	163.0	747.2	191.8	35.0	84.5	549.5	0.7	42.8	903.4	1,813.6	747.2	194.6	590.5
North Dakota	369.3	193.2	92.6	11.2	4.6	45.1	0.0	17.3	169.6	732.2	198.6	93.4	48.6
Ohio	539.6	1,421.8	274.5	42.6	52.8	518.7	2.4	144.0	1,031.4	2,992.8	1,424.2	278.3	557.3
Oklahoma	106.9	782.2	174.9	12.9	45.5	210.4	2.7	75.2	519.3	1,408.4	782.8	177.5	225.6
Oregon	1.1	297.6	102.3	10.0	28.0	162.6	0.8	28.2	319.2	617.8	297.6	103.8	175.5
Pennsylvania	435.5	1,936.6	350.8	101.9	56.7	495.4	2.2	101.6	1,104.6	3,476.7	1,937.9	354.4	533.0
Rhode Island	0.0	93.8	28.0	2.5	2.1	39.5	0.1	7.0	79.0	172.8	93.8	28.2	42.6
South Carolina	151.0	361.2	129.9	9.9	17.7	301.2	11.5	24.5	494.2	1,006.4	361.3	131.9	323.7
South Dakota	24.8	103.2	45.5	7.3	4.2	54.0	0.1	7.6	118.1	246.1	103.2	46.1	58.2
Tennessee	204.7	440.0	177.4	11.9	85.4	377.6	0.3	56.5	706.9	1,351.6	440.0	180.3	405.7
Texas	932.6	4,977.4	1,068.8	2,299.3	282.4	1,599.7	181.6	1,154.4	6,572.7	12,482.6	4,982.3	1,084.5	1,727.2
Utah	237.9	287.0	95.1	7.8	45.6	136.5	(s)	35.6	320.4	845.3	287.0	96.5	145.9
Vermont	0.0	14.0	24.5	9.6	1.3	31.0	0.2	5.0	71.5	85.6	14.0	24.7	33.3
Virginia	67.7	665.9	190.7	24.5	122.6	420.5	3.8	35.8	797.0	1,530.7	666.0	193.4	453.2
Washington	42.2	381.9	151.7	19.0	101.6	284.0	79.4	89.7	723.7	1,147.8	381.9	153.9	306.6
West Virginia	536.6	284.8	85.2	15.0	1.0	86.1	(s)	15.3	202.3	1,023.8	284.8	86.4	92.5
Wisconsin	232.5	621.9	152.5	41.4	11.4	287.3	1.1	42.0	533.6	1,388.0	621.9	154.7	310.0
Wyoming	390.3	172.5	79.6	6.0	2.0	35.7	0.0	21.4	144.5	707.3	172.5	80.5	38.2
United States	9,885.7	33,334.1	8,357.9	3,957.4	3,227.9	15,073.0	755.9	4,296.2	35,331.9	78,495.9	33,410.9	8,470.7	16,235.6

^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 -55.8 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. <http://www.eia.gov/state/seds/>

Table C3. Primary energy consumption estimates, 2022 (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	441.3	34.8	163.4	27.6	3.4	0.0	(s)	194.4	0.1	3.2	0.0	232.5	-433.0	0.0	1,902.4
Alaska	0.0	5.8	7.7	0.0	0.9	0.0	0.0	8.5	0.2	0.1	0.5	15.1	0.0	0.0	724.1
Arizona	333.1	18.1	9.4	26.0	2.2	0.0	0.0	37.6	0.3	41.1	5.3	102.4	-139.7	(s)	1,526.9
Arkansas	149.4	11.8	56.7	12.9	2.6	0.0	0.1	72.2	0.8	3.4	0.0	88.2	-120.0	0.0	1,052.5
California	183.5	60.2	123.1	117.9	35.9	217.3	4.4	498.6	40.3	232.9	49.9	882.0	600.4	10.9	6,882.4
Colorado	0.0	4.6	16.7	19.6	0.6	0.0	8.0	44.9	0.8	13.2	57.7	121.1	16.0	0.0	1,464.0
Connecticut	171.7	1.1	18.2	12.9	0.8	0.0	(s)	31.9	(s)	6.0	(s)	39.0	-113.6	0.0	707.6
Delaware	0.0	0.0	1.6	4.3	0.1	0.0	0.0	6.0	0.4	0.8	(s)	7.2	64.2	0.0	274.8
Dist. of Col.	0.0	0.0	1.0	0.9	(s)	0.0	0.0	1.9	(s)	0.7	0.0	2.6	90.3	0.0	141.0
Florida	320.9	0.8	136.5	76.2	2.5	0.0	0.0	215.1	10.1	74.8	0.0	300.7	61.2	0.0	4,325.0
Georgia	355.4	10.8	210.4	38.2	1.7	0.0	(s)	250.3	0.3	25.3	0.0	286.8	262.2	0.0	2,836.2
Hawaii	0.0	0.4	4.6	3.7	0.7	0.0	(s)	9.0	0.7	8.4	2.1	20.6	0.0	0.0	270.3
Idaho	0.0	28.5	35.1	6.3	0.3	0.0	3.4	45.1	1.8	2.5	8.3	86.2	99.8	0.0	519.0
Illinois	1,031.1	0.4	16.6	35.8	20.8	0.0	78.5	151.8	2.0	10.8	80.2	245.1	-374.6	0.0	3,675.6
Indiana	0.0	1.3	31.7	25.3	4.9	0.0	63.6	125.5	4.6	4.8	34.1	170.3	119.6	0.0	2,618.9
Iowa	0.0	3.4	19.4	15.6	8.6	0.0	211.0	254.6	1.3	2.4	156.1	417.9	-80.7	0.0	1,423.2
Kansas	93.7	0.1	6.7	9.8	3.0	0.0	30.2	49.6	1.0	0.6	101.3	152.5	-135.2	0.0	1,000.7
Kentucky	0.0	15.5	38.8	18.1	3.4	0.0	2.0	62.2	2.7	0.6	0.0	81.0	88.1	0.0	1,673.2
Louisiana	168.6	3.1	104.4	18.4	4.0	0.0	0.0	126.8	1.8	1.7	0.0	133.5	118.2	0.0	4,246.0
Maine	0.0	10.5	73.4	5.3	0.5	0.0	(s)	79.2	0.1	2.8	9.3	101.8	-3.2	6.5	335.3
Maryland	154.5	6.1	12.2	19.9	0.7	0.0	0.0	32.7	0.6	6.9	1.7	48.0	217.6	0.0	1,202.8
Massachusetts	0.0	3.0	29.0	21.8	1.1	0.0	(s)	51.9	0.9	18.6	0.7	75.1	280.9	0.0	1,315.2
Michigan	271.3	4.7	98.0	35.8	3.6	0.0	17.4	154.9	5.2	4.3	31.2	200.3	-104.0	6.0	2,706.8
Minnesota	153.3	3.2	56.9	25.2	15.9	0.0	69.0	167.0	1.1	7.5	51.5	230.4	69.2	15.5	1,759.9
Mississippi	89.7	0.0	45.4	14.5	2.6	0.0	(s)	62.5	1.0	1.8	0.0	65.3	-125.6	0.0	1,099.8
Missouri	92.6	4.7	22.4	26.2	3.9	0.0	16.3	68.7	0.4	2.4	25.7	101.8	45.7	0.0	1,733.4
Montana	0.0	33.7	16.1	4.3	(s)	0.0	0.0	20.4	0.3	0.3	13.7	68.5	-70.6	-3.9	395.3
Nebraska	58.6	3.6	4.2	7.2	2.5	0.0	106.5	120.4	1.2	0.4	43.0	168.6	-39.3	0.0	846.4
Nevada	0.0	5.8	3.1	10.8	1.1	0.0	0.0	15.0	14.9	36.6	1.1	73.3	-7.6	0.0	706.1
New Hampshire	113.9	4.1	27.0	5.9	0.3	0.0	(s)	33.3	(s)	0.9	1.6	40.0	-69.2	0.0	297.2
New Jersey	295.3	(s)	14.9	30.6	1.2	0.0	0.0	46.6	0.5	17.8	0.1	65.0	124.2	0.0	2,014.4
New Mexico	0.0	0.4	12.6	8.5	1.8	0.0	0.0	22.9	0.5	9.0	49.3	82.0	-88.5	0.0	687.6
New York	279.6	93.6	83.4	44.2	10.5	0.0	3.0	141.0	1.2	19.3	15.6	270.7	132.4	41.7	3,452.7
North Carolina	444.7	16.0	90.2	41.0	1.4	0.0	(s)	132.6	1.0	40.7	1.9	192.2	118.3	0.0	2,568.8
North Dakota	0.0	6.1	2.0	3.6	2.1	0.0	27.6	35.2	1.0	(s)	55.4	97.8	-176.0	16.6	670.6
Ohio	175.5	1.7	44.8	38.7	6.2	0.0	34.5	124.2	3.4	4.5	10.8	144.6	190.3	0.0	3,503.2
Oklahoma	0.0	6.0	34.6	15.2	4.0	0.0	0.1	53.8	(s)	0.6	128.1	188.6	-70.6	0.0	1,526.4
Oregon	0.0	106.8	70.5	13.0	10.5	7.4	1.4	102.8	1.8	8.3	27.8	247.5	-8.1	0.0	857.3
Pennsylvania	794.3	9.1	106.7	37.5	6.6	0.0	6.3	157.1	2.2	4.3	12.2	184.8	-719.0	0.0	3,736.9
Rhode Island	0.0	(s)	3.7	3.1	0.2	0.0	(s)	7.0	0.1	3.1	0.7	10.9	2.9	0.0	186.6
South Carolina	567.0	7.4	101.4	22.5	1.0	0.0	0.0	124.9	0.6	10.1	0.0	143.1	-93.1	0.0	1,623.4
South Dakota	0.0	14.5	3.9	4.3	1.0	0.0	69.3	78.5	1.9	(s)	35.1	130.0	-17.8	0.0	358.4
Tennessee	371.6	31.4	38.2	28.1	4.0	0.0	8.6	78.9	0.2	2.6	0.1	113.1	265.5	0.0	2,101.8
Texas	433.9	2.1	89.6	127.5	23.2	0.0	18.8	259.1	2.5	87.4	391.7	742.8	133.3	-12.0	13,780.6
Utah	0.0	2.0	4.2	9.4	0.4	0.0	0.0	14.0	2.4	15.9	2.5	36.7	-33.3	0.0	848.7
Vermont	0.0	3.9	21.3	2.3	0.2	0.0	0.0	23.8	(s)	1.5	1.4	30.6	-38.2	46.8	124.8
Virginia	294.1	3.9	107.9	32.7	1.4	0.0	(s)	142.1	1.7	17.7	0.2	165.5	437.6	0.0	2,427.8
Washington	102.7	269.3	100.8	22.6	2.9	0.0	0.1	126.4	1.1	1.8	27.5	426.1	-117.7	12.5	1,571.4
West Virginia	0.0	5.6	10.8	6.4	0.6	0.0	0.0	17.8	(s)	0.2	6.8	30.5	-218.8	0.0	835.5
Wisconsin	105.1	6.8	88.0	22.7	3.4	0.0	28.1	142.3	0.6	3.8	6.2	159.7	115.8	0.0	1,768.6
Wyoming	0.0	2.5	5.3	2.5	0.3	0.0	0.0	8.1	0.7	0.7	33.4	45.4	-256.5	0.0	496.2
United States	8,046.4	869.3	2,424.0	1,162.7	211.6	224.7	808.2	4,856.7	118.4	764.6	1,481.8	8,090.8	0.0	140.6	94,773.7

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

^h Wood, wood-derived fuels, and biomass waste.

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 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 kilowatthours by 3,412 Btu per kilowatthour.

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. <http://www.eia.gov/state/seds/>