

**WEST VIRGINIA**  
**Table CT2. Primary energy consumption estimates, selected years, 1960-2022, West Virginia**  
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)			
	Coal	Natural gas excluding supplemental gaseous fuels <sup>a</sup>	Petroleum							Total	Total	Natural gas including supplemental gaseous fuels <sup>a</sup>	Distillate fuel oil including biofuels <sup>a</sup>	Motor gasoline including fuel ethanol <sup>a</sup>
			Distillate fuel oil excluding biofuels <sup>a</sup>	HGL <sup>b</sup>	Jet fuel <sup>c</sup>	Motor gasoline excluding fuel ethanol <sup>a</sup>	Residual fuel oil	Other <sup>d</sup>	Total					
1960	354.4	155.6	14.4	2.1	0.9	61.0	9.3	39.0	126.7	636.7	155.6	14.4	61.0	
1965	477.4	176.1	16.5	3.7	0.7	67.0	13.5	35.5	136.9	790.4	176.1	16.5	67.0	
1970	612.4	186.5	22.8	4.5	1.6	83.2	13.0	29.3	154.5	953.4	186.5	22.8	83.2	
1971	618.8	183.6	27.2	4.9	1.3	86.3	11.8	29.3	160.8	963.1	183.6	27.2	86.3	
1972	716.5	204.9	32.6	5.6	1.1	88.8	11.0	31.7	170.8	1,092.3	204.9	32.6	88.8	
1973	810.2	191.9	35.4	5.9	1.1	95.6	8.7	31.7	178.3	1,180.4	191.9	35.4	95.6	
1974	841.8	186.6	32.9	6.4	1.1	96.3	10.9	33.5	181.1	1,209.5	186.6	32.9	96.3	
1975	817.4	164.3	34.5	5.4	1.4	101.5	15.7	39.7	198.2	1,179.9	164.3	34.5	101.5	
1976	872.4	157.2	35.8	5.3	1.6	107.9	29.7	36.2	216.4	1,245.9	157.2	35.8	107.9	
1977	847.7	150.6	48.3	5.4	1.7	111.4	30.8	37.8	235.4	1,233.8	150.6	48.3	111.4	
1978	785.7	156.6	43.7	5.0	1.6	111.7	26.6	36.4	225.0	1,167.3	156.6	43.7	111.7	
1979	828.8	152.1	58.8	11.2	1.8	107.7	17.3	37.3	234.0	1,214.9	152.1	58.8	107.7	
1980	857.8	147.6	61.4	12.3	2.0	101.9	9.2	30.9	217.6	1,223.0	147.6	61.4	101.9	
1981	877.5	154.5	54.9	11.5	1.9	98.8	6.2	31.8	205.1	1,237.1	154.5	54.9	98.8	
1982	808.0	136.1	44.9	9.4	1.7	99.6	8.7	28.1	192.3	1,136.3	136.1	44.9	99.6	
1983	826.1	120.2	58.9	9.4	1.5	98.2	6.9	23.1	198.0	1,144.3	120.2	58.9	98.2	
1984	898.4	131.0	65.4	1.4	1.3	97.4	9.4	24.8	199.8	1,229.2	131.0	65.4	97.4	
1985	871.7	125.0	60.7	4.1	1.3	97.2	6.1	25.0	194.4	1,191.2	125.0	60.7	97.2	
1986	877.2	121.1	46.9	4.1	1.2	98.0	7.4	25.2	182.9	1,181.2	121.1	46.9	98.0	
1987	871.7	123.7	56.6	4.3	1.2	101.6	3.4	26.2	193.3	1,188.8	123.7	56.6	101.6	
1988	915.4	131.5	56.8	4.5	1.4	103.7	4.0	30.9	201.2	1,248.1	131.5	56.8	103.7	
1989	932.5	139.4	61.3	5.6	2.1	102.4	6.6	31.6	209.6	1,281.5	139.4	61.3	102.4	
1990	873.5	129.0	61.7	5.8	1.5	103.2	8.0	27.5	207.7	1,210.1	129.0	61.7	103.2	
1991	802.0	118.8	60.5	6.4	1.3	101.6	6.7	22.6	199.2	1,120.1	118.8	60.5	101.6	
1992	812.7	137.7	58.5	6.1	1.5	104.3	3.6	23.8	197.9	1,148.3	137.7	58.5	104.3	
1993	821.2	144.2	63.7	6.5	1.4	102.2	3.2	20.7	197.7	1,163.1	144.2	63.7	102.5	
1994	890.8	155.1	66.9	7.1	1.3	103.9	3.1	24.5	206.8	1,252.7	155.1	66.9	104.1	
1995	871.3	157.8	65.7	6.9	1.0	108.6	1.2	23.2	206.6	1,235.7	157.8	65.7	108.7	
1996	913.6	164.3	53.5	7.8	1.0	98.5	2.2	22.8	185.8	1,263.7	164.3	53.5	98.5	
1997	937.7	170.3	61.3	10.2	1.0	102.8	1.5	22.1	198.9	1,306.9	170.3	61.3	102.8	
1998	978.3	151.9	72.0	7.7	1.0	102.6	0.5	29.4	213.1	1,343.4	151.9	72.0	102.6	
1999	993.0	147.7	69.0	4.0	1.0	101.4	0.6	28.1	204.1	1,344.8	147.7	69.0	101.4	
2000	977.8	157.9	73.0	5.8	1.1	101.0	1.8	23.8	206.5	1,342.2	157.9	73.0	101.0	
2001	866.6	150.5	73.1	5.2	1.1	102.1	1.4	35.0	218.0	1,235.1	150.5	73.1	102.5	
2002	993.5	155.5	87.6	3.7	1.4	99.2	0.7	36.0	228.7	1,377.7	155.5	87.6	100.3	
2003	978.4	135.4	73.9	4.5	1.5	100.4	0.3	30.9	211.5	1,325.3	135.4	73.9	101.8	
2004	937.1	129.4	80.1	6.2	1.4	104.2	2.2	36.4	230.4	1,296.8	129.4	80.1	105.7	
2005	959.7	125.0	83.8	3.9	1.4	104.5	2.8	34.9	231.3	1,315.9	125.0	83.8	104.9	
2006	958.9	126.3	86.8	5.6	1.3	104.8	2.1	35.8	236.3	1,321.5	126.3	86.8	105.4	
2007	983.3	124.6	85.3	4.4	1.3	103.2	6.3	34.9	235.4	1,343.2	124.6	85.3	104.0	
2008	955.6	119.6	83.5	4.9	1.3	90.6	3.8	37.6	221.7	1,296.9	119.6	83.5	94.8	
2009	742.9	118.6	72.3	4.4	1.1	96.2	0.5	16.9	191.5	1,053.0	118.6	72.7	102.0	
2010	848.1	121.8	76.1	14.4	1.3	97.5	0.2	14.4	204.0	1,173.9	121.8	76.4	103.7	
2011	822.6	124.9	75.4	14.2	1.4	92.5	0.3	15.8	199.7	1,147.2	124.9	76.2	98.6	
2012	756.7	140.1	73.1	13.7	1.4	90.1	1.5	14.6	194.4	1,091.3	140.1	74.0	96.4	
2013	771.2	152.9	74.7	15.6	1.2	88.8	1.0	13.9	195.2	1,119.3	152.9	76.1	95.1	
2014	816.5	180.2	72.2	14.0	1.1	92.1	0.5	13.1	193.0	1,189.7	180.2	73.5	98.4	
2015	730.9	191.1	66.9	13.9	1.2	91.3	0.6	15.7	189.7	1,111.7	191.1	68.5	97.4	
2016	752.0	188.5	73.9	13.1	1.3	93.1	0.3	17.5	199.2	R 1,139.7	188.5	76.8	99.5	
2017	710.4	199.3	74.0	12.9	1.3	90.1	0.0	R 12.8	R 191.1	R 1,100.9	199.3	76.5	96.5	
2018	661.8	221.4	93.9	13.3	1.1	94.1	(s)	R 14.3	R 216.7	R 1,099.8	221.4	96.8	101.0	
2019	621.7	239.9	83.2	14.6	1.2	93.5	0.1	R 15.5	R 208.0	R 1,069.6	239.9	85.4	100.3	
2020	539.7	R 264.3	69.5	14.5	0.9	79.3	(s)	R 14.6	R 178.7	R 982.7	R 264.3	71.7	85.1	
2021	633.6	R 277.0	R 84.7	14.4	1.0	89.4	(s)	R 15.3	R 204.5	R 1,115.1	R 277.0	R 85.9	96.0	
2022	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	

<sup>a</sup> 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."

<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>c</sup> Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

<sup>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum

products" category. See Technical Notes, Section 4.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: - Totals may not equal sum of components due to independent rounding. - The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

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 CT2. Primary energy consumption estimates, selected years, 1960-2022, West Virginia (continued)**  
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity <sup>k</sup>	Electricity net imports <sup>l</sup>	Total <sup>f</sup>	
		Hydro-electric power <sup>e,f</sup>	Biomass						Geo-thermal <sup>f</sup>	Solar <sup>f,j</sup>	Wind	Total <sup>f</sup>				
			Wood and waste <sup>f,g</sup>	Fuel ethanol <sup>h</sup>	Biodiesel	Renewable diesel	Losses and co-products <sup>i</sup>	Total <sup>f</sup>								
1960	0.0	R 3.2	13.4	NA	NA	NA	NA	13.4	0.0	NA	NA	R 16.6	R -52.9	0.0	R 600.4	
1965	0.0	R 2.8	11.9	NA	NA	NA	NA	11.9	0.0	NA	NA	R 14.7	R -71.9	0.0	R 733.3	
1970	0.0	R 3.4	10.7	NA	NA	NA	NA	10.7	0.0	NA	NA	R 14.1	R -194.8	0.0	R 772.7	
1971	0.0	R 3.9	10.3	NA	NA	NA	NA	10.3	0.0	NA	NA	R 14.2	R -222.2	0.0	R 755.1	
1972	0.0	R 4.3	11.8	NA	NA	NA	NA	11.8	0.0	NA	NA	R 16.1	R -303.7	0.0	R 804.7	
1973	0.0	R 4.0	12.0	NA	NA	NA	NA	12.0	0.0	NA	NA	R 16.0	R -374.7	0.0	R 821.7	
1974	0.0	R 3.9	11.8	NA	NA	NA	NA	11.8	0.0	NA	NA	R 15.7	R -410.4	0.0	R 814.8	
1975	0.0	R 3.6	11.7	NA	NA	NA	NA	11.7	0.0	NA	NA	R 15.4	R -429.7	0.0	R 765.6	
1976	0.0	R 3.5	14.1	NA	NA	NA	NA	14.1	0.0	NA	NA	R 17.6	R -460.7	0.0	R 802.9	
1977	0.0	R 3.2	14.5	NA	NA	NA	NA	14.5	0.0	NA	NA	R 17.7	R -450.8	0.0	R 800.6	
1978	0.0	R 3.2	17.7	NA	NA	NA	NA	17.7	0.0	NA	NA	R 20.8	R -403.0	0.0	R 785.2	
1979	0.0	R 4.2	21.1	NA	NA	NA	NA	21.1	0.0	NA	NA	R 25.3	R -441.2	0.0	R 799.0	
1980	0.0	R 3.8	11.9	NA	NA	NA	NA	11.9	0.0	NA	NA	R 15.7	R -474.9	0.0	R 763.8	
1981	0.0	R 3.7	10.6	(s)	NA	NA	0.0	10.6	0.0	NA	NA	R 14.3	R -505.8	0.0	R 745.6	
1982	0.0	R 3.8	14.1	0.0	NA	NA	0.0	14.1	0.0	NA	NA	R 17.9	R -468.1	0.0	R 686.2	
1983	0.0	R 3.8	11.7	0.0	NA	NA	0.0	11.7	0.0	NA	0.0	R 15.5	R -506.4	0.0	R 653.5	
1984	0.0	R 3.9	13.7	0.0	NA	NA	0.0	13.7	0.0	0.0	0.0	R 17.6	R -555.2	0.0	R 691.6	
1985	0.0	R 3.6	14.0	0.0	NA	NA	0.0	14.0	0.0	0.0	0.0	R 17.6	R -566.6	0.0	R 642.2	
1986	0.0	R 3.6	20.4	0.0	NA	NA	0.0	20.4	0.0	0.0	0.0	R 24.0	R -560.2	0.0	R 645.0	
1987	0.0	R 3.4	18.0	0.0	NA	NA	0.0	18.0	0.0	0.0	0.0	R 21.5	R -549.4	0.0	R 660.8	
1988	0.0	R 3.4	18.8	0.0	NA	NA	0.0	18.8	0.0	0.0	0.0	R 22.2	R -562.5	0.0	R 707.8	
1989	0.0	R 4.5	11.9	0.0	NA	NA	0.0	11.9	0.0	(s)	0.0	R 16.4	R -570.9	0.0	R 727.0	
1990	0.0	R 4.4	5.0	0.0	NA	NA	0.0	5.0	0.0	(s)	0.0	R 9.5	R -523.5	0.0	R 696.1	
1991	0.0	R 3.6	5.2	0.0	NA	NA	0.0	5.2	0.0	(s)	0.0	R 8.9	R -462.7	0.0	R 666.3	
1992	0.0	R 4.3	5.3	0.4	NA	NA	0.0	5.7	0.0	(s)	0.0	R 10.0	R -479.2	0.0	R 679.1	
1993	0.0	R 3.8	6.9	0.2	NA	NA	0.0	7.2	0.0	(s)	0.0	R 11.0	R -471.8	0.0	R 702.4	
1994	0.0	R 3.9	6.8	0.2	NA	NA	0.0	7.0	0.0	(s)	0.0	R 11.0	R -534.6	0.0	R 729.0	
1995	0.0	R 4.1	7.1	0.1	NA	NA	0.0	7.2	0.0	(s)	0.0	R 11.3	R -516.0	0.0	R 731.1	
1996	0.0	R 4.9	7.3	(s)	NA	NA	0.0	7.3	0.0	(s)	0.0	R 12.2	R -573.1	0.0	R 702.8	
1997	0.0	R 3.9	5.9	(s)	NA	NA	0.0	5.9	0.0	(s)	0.0	R 9.9	R -614.2	0.0	R 702.5	
1998	0.0	R 3.7	5.1	(s)	NA	NA	0.0	5.1	0.0	(s)	0.0	R 8.8	R -622.3	0.0	R 729.9	
1999	0.0	R 3.2	5.2	(s)	NA	NA	0.0	5.2	0.0	(s)	0.0	R 8.5	R -639.8	0.0	R 713.5	
2000	0.0	R 3.9	5.6	(s)	NA	NA	0.0	5.6	0.0	(s)	0.0	R 9.6	R -619.4	0.0	R 732.4	
2001	0.0	R 3.2	4.8	0.4	(s)	NA	0.0	5.3	0.0	(s)	0.0	R 8.6	R -517.1	0.0	R 726.5	
2002	0.0	R 3.6	4.2	1.1	(s)	NA	0.0	5.3	0.0	(s)	R (s)	R 9.0	R -635.6	0.0	R 751.1	
2003	0.0	R 4.6	4.3	1.4	(s)	NA	0.0	5.7	0.0	(s)	R 0.6	R 11.0	R -631.0	0.0	R 705.3	
2004	0.0	R 4.5	4.4	1.5	(s)	NA	0.0	5.9	0.0	(s)	R 0.5	R 11.0	R -579.3	0.0	R 728.5	
2005	0.0	R 4.9	12.3	0.4	(s)	NA	0.0	12.7	0.0	(s)	R 0.5	R 18.2	R -603.0	0.0	R 731.1	
2006	0.0	R 5.4	10.9	0.5	0.1	NA	0.0	11.5	0.0	(s)	R 0.6	R 17.5	R -585.0	0.0	R 754.1	
2007	0.0	R 4.3	11.9	0.8	0.1	NA	(s)	12.8	0.0	(s)	R 0.6	R 17.7	R -576.3	0.0	R 784.5	
2008	0.0	R 4.3	13.0	4.3	0.1	NA	(s)	17.4	0.0	(s)	R 1.3	R 23.0	R -549.5	0.0	R 770.4	
2009	0.0	R 5.6	21.7	5.8	0.1	NA	(s)	27.5	0.0	(s)	R 2.5	R 35.7	R -391.8	0.0	R 696.9	
2010	0.0	R 4.7	23.4	6.2	0.1	NA	0.0	29.6	0.0	(s)	R 3.2	R 37.6	R -468.0	0.0	R 743.4	
2011	0.0	R 5.0	22.3	6.1	0.2	0.0	0.0	28.6	0.0	(s)	R 0.1	R 3.8	R -455.5	0.0	R 729.2	
2012	0.0	R 4.9	18.9	6.3	0.2	0.0	0.0	25.4	0.0	(s)	R 4.4	R 34.8	R -404.8	0.0	R 721.2	
2013	0.0	R 5.9	23.9	6.3	0.9	0.0	0.0	31.1	0.0	(s)	R 4.7	R 41.9	R -420.9	0.0	R 740.3	
2014	0.0	R 4.2	24.3	6.3	0.8	0.0	0.0	31.4	0.0	(s)	R 5.0	R 40.7	R -458.5	0.0	R 771.9	
2015	0.0	R 4.7	12.1	6.2	0.9	0.0	0.0	19.2	0.0	(s)	R 4.7	R 28.7	R -381.7	0.0	R 758.6	
2016	0.0	R 5.6	11.2	6.4	1.8	0.0	0.0	19.4	0.0	(s)	R 4.9	R 30.0	R -417.9	0.0	R 751.8	
2017	0.0	R 5.7	10.7	6.4	1.9	0.0	0.0	19.0	0.0	(s)	R 5.7	R 30.5	R -389.7	(s)	R 741.7	
2018	0.0	R 6.3	12.3	6.9	1.2	0.0	0.0	20.5	0.0	(s)	R 0.1	R 6.0	R -315.9	(s)	R 816.9	
2019	0.0	R 5.8	12.1	6.9	0.9	0.0	0.0	19.8	0.0	(s)	R 0.1	R 5.6	R 31.3	R -284.4	0.0	R 816.5
2020	0.0	R 5.4	R 8.9	5.8	0.8	0.0	0.0	R 15.5	0.0	(s)	R 0.1	R 6.5	R 27.5	R -223.0	0.0	R 787.3
2021	0.0	R 5.8	R 9.7	6.6	0.8	0.0	0.0	R 17.1	0.0	(s)	R 0.1	R 5.5	R 28.6	R -306.1	0.0	R 837.6
2022	0.0	5.6	10.8	6.4	0.6	0.0	0.0	17.8	0.0	(s)	0.2	6.8	30.5	-218.8	0.0	835.5

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> 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. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

<sup>i</sup> Losses and co-products from the production of biodiesel and fuel ethanol.

<sup>j</sup> Solar thermal and photovoltaic energy.

<sup>k</sup> 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.

Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

<sup>l</sup> Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatt-hours by 3,412 Btu per kilowatt-hour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: - Totals may not equal sum of components due to independent rounding. - The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

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/>