

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, Washington

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum							Hydro-electric power ^{g,h} Million kilowatt-hours	Biomass			Solar ^{h,k}	Electricity ^l Million kilowatt-hours	End use ^{h,m}	Electrical system energy losses ⁿ	Total ^{h,m}
			Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Motor gasoline ^e	Residual fuel oil	Other ^f	Total		Wood and waste ^{h,i}	Losses and co-products ^j	Geo-thermal ^h					
1960	608	65	18,121	548	4,502	23,076	9,285	7,709	63,241	195	--	--	--	25,951	--	--	--	
1970	245	150	18,200	1,659	10,637	36,068	10,381	13,212	90,157	135	--	--	--	47,609	--	--	--	
1980	493	128	18,440	1,487	12,036	42,653	17,076	13,446	105,138	129	--	--	--	69,658	--	--	--	
1990	295	163	20,125	2,292	22,343	53,464	16,271	21,122	135,617	274	--	--	--	91,046	--	--	--	
2000	146	212	24,339	6,456	24,726	63,053	7,551	24,916	151,041	102	--	--	--	96,511	--	--	--	
2005	71	199	24,732	2,779	18,480	65,216	7,785	21,333	140,325	52	--	--	--	83,425	--	--	--	
2006	94	205	29,878	2,773	18,588	65,712	6,207	22,249	145,407	64	--	--	--	85,033	--	--	--	
2007	137	215	30,444	2,667	20,451	65,893	9,983	20,985	150,423	48	--	--	--	85,742	--	--	--	
2008	148	224	29,951	4,696	20,110	63,891	4,509	20,792	143,948	48	--	--	--	87,333	--	--	--	
2009	170	219	24,587	4,337	18,293	64,569	7,253	19,670	138,710	47	--	--	--	90,210	--	--	--	
2010	141	206	24,587	4,206	13,184	63,817	6,715	18,565	131,073	55	--	--	--	90,380	--	--	--	
2011	97	225	25,888	4,502	13,260	63,269	8,029	17,045	131,993	3	--	--	--	93,725	--	--	--	
2012	109	221	23,610	4,254	12,943	62,275	10,069	18,419	132,020	1	--	--	--	92,336	--	--	--	
2013	106	231	22,849	4,246	14,037	65,300	9,731	16,794	132,958	0	--	--	--	92,883	--	--	--	
2014	141	222	24,078	4,211	14,536	64,960	6,491	16,286	130,562	0	--	--	--	92,141	--	--	--	
2015	102	211	26,031	3,765	16,262	67,072	8,741	18,313	140,184	0	--	--	--	90,116	--	--	--	
2016	100	220	27,123	4,295	17,503	67,014	17,901	R 17,306	R 151,142	0	--	--	--	88,885	--	--	--	
2017	76	244	26,042	4,289	18,470	66,926	13,684	R 16,753	R 146,164	0	--	--	--	91,948	--	--	--	
2018	74	231	28,564	4,624	18,527	69,395	10,312	R 16,588	R 148,011	0	--	--	--	90,006	--	--	--	
2019	79	242	28,341	4,798	19,598	69,974	12,181	R 16,485	R 151,377	0	--	--	--	91,053	--	--	--	
2020	82	R 234	26,537	4,475	12,360	55,140	5,918	R 14,587	R 119,016	0	--	--	--	86,706	--	--	--	
2021	79	R 242	R 26,442	4,938	16,021	60,428	12,319	R 14,614	R 134,763	0	--	--	--	88,199	--	--	--	
2022	78	254	26,644	4,958	17,911	60,722	12,624	14,291	137,150	0	--	--	--	90,897	--	--	--	

Trillion Btu

1960	15.2	67.2	105.6	2.1	24.4	121.2	58.4	45.1	356.7	R 0.7	58.5	NA	NA	NA	88.5	R 586.9	R 178.5	R 765.4
1970	5.9	158.2	106.0	6.3	59.3	189.5	65.3	80.3	506.7	R 0.5	66.5	NA	NA	NA	162.4	R 900.2	R 332.7	R 1,233.0
1980	10.8	134.5	107.4	5.5	67.5	224.1	107.4	81.5	593.3	R 0.4	88.3	NA	NA	NA	237.7	R 1,064.9	R 505.6	R 1,570.6
1990	6.6	167.4	117.2	8.3	126.0	280.8	102.3	128.3	763.0	R 0.9	89.7	0.3	0.1	0.4	310.6	R 1,339.6	R 129.9	R 1,469.5
2000	3.3	221.3	141.6	23.1	140.2	327.9	47.5	152.9	833.2	R 0.3	79.4	0.1	0.3	0.3	329.3	R 1,467.6	R 235.3	R 1,702.9
2005	1.5	204.8	143.9	10.6	104.8	338.6	48.9	129.1	775.9	R 0.2	70.1	(s)	0.6	0.1	284.6	R 1,338.2	R 193.7	R 1,531.9
2006	2.0	210.7	173.4	10.5	105.4	340.7	39.0	134.4	803.4	R 0.2	92.9	0.0	0.7	0.1	290.1	R 1,401.0	R 172.5	R 1,573.5
2007	3.2	220.8	176.1	10.1	116.0	338.8	62.8	126.7	830.5	R 0.2	67.8	(s)	0.7	0.1	292.6	R 1,416.9	R 164.7	R 1,581.7
2008	3.0	230.3	173.1	17.4	114.0	326.2	28.3	125.3	784.4	R 0.2	69.6	(s)	0.8	0.1	298.0	R 1,387.3	R 179.2	R 1,566.5
2009	3.5	225.7	142.0	16.2	103.7	328.7	45.6	118.0	754.2	R 0.2	76.6	(s)	0.9	0.1	307.8	R 1,369.0	R 180.6	R 1,549.7
2010	2.7	212.9	142.0	16.2	74.8	323.4	42.2	111.8	710.3	R 0.2	97.3	(s)	1.0	R 0.1	308.4	R 1,333.0	R 210.9	R 1,543.9
2011	1.8	231.9	149.4	17.3	75.2	320.3	50.5	102.7	715.4	(s)	95.3	0.1	1.3	R 0.1	319.8	R 1,365.7	R 112.8	R 1,478.5
2012	2.1	227.7	136.2	16.3	73.4	317.5	63.3	110.7	717.4	(s)	95.0	(s)	1.1	R 0.2	315.1	R 1,358.7	R 128.3	R 1,486.9
2013	2.0	238.3	131.7	16.3	79.6	330.4	61.2	101.4	720.6	0.0	100.3	0.1	1.1	R 0.2	316.9	R 1,379.5	R 172.2	R 1,551.7
2014	2.7	232.0	138.8	16.2	82.4	328.6	40.8	98.5	705.3	0.0	100.8	0.1	1.1	R 0.2	314.4	R 1,356.7	R 173.6	R 1,530.3
2015	1.9	224.2	150.0	14.5	92.2	339.2	55.0	110.3	761.1	0.0	105.0	0.1	1.1	R 0.3	307.5	R 1,401.2	R 162.4	R 1,563.7
2016	1.9	237.0	156.1	16.5	99.2	338.8	112.5	R 107.2	R 830.4	0.0	114.3	0.1	1.1	R 0.4	303.3	R 1,488.5	R 147.9	R 1,636.3
2017	1.4	263.8	149.9	16.5	104.7	338.2	86.0	R 104.2	R 799.5	0.0	R 109.4	0.1	1.1	R 0.5	313.7	R 1,489.7	R 146.2	R 1,635.8
2018	1.4	251.5	164.5	17.8	105.1	350.7	64.8	R 103.1	R 806.0	0.0	R 108.9	0.1	1.1	R 0.6	307.1	R 1,476.8	R 150.5	R 1,627.3
2019	1.5	263.0	163.2	18.4	111.1	353.5	76.6	R 102.4	R 825.3	0.0	112.3	0.1	1.1	R 0.8	310.7	R 1,514.8	R 187.7	R 1,702.5
2020	1.5	R 254.2	152.7	17.2	70.1	278.6	37.2	R 91.0	R 646.8	0.0	R 94.9	0.1	1.1	R 1.0	295.8	R 1,295.5	R 135.2	R 1,430.7
2021	1.5	R 263.0	R 152.4	19.0	90.8	305.2	77.5	R 91.7	R 736.5	0.0	R 95.7	0.1	1.1	R 1.2	300.9	R 1,400.1	R 136.2	R 1,536.3
2022	1.5	277.1	153.6	19.0	101.6	306.6	79.4	89.7	749.9	0.0	94.7	0.1	1.1	1.5	310.1	1,436.1	136.4	1,572.4

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.
^c Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
^d 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."
^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.
^f Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
^g Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
^h There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
ⁱ Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
^j Losses and co-products from the production of biodiesel and fuel ethanol.
^k Solar thermal and photovoltaic energy.

^l Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^m Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.
ⁿ Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
 -- = Not applicable. NA = Not available.
 Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
 Notes: · Total end-use sector consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. · 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/>