

**WASHINGTON** Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2018, Washington

Year	Coal Thousand Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum							Hydro-electric Power <sup>g,h</sup> Million Kilowatt-hours	Biomass		Geo-thermal <sup>h</sup>	Solar <sup>h,k</sup>	Electricity Retail Sales	Net Energy <sup>h,j</sup>	Electrical System Energy Losses <sup>m</sup>	Total <sup>h,j</sup>
			Distillate Fuel Oil <sup>b</sup>	HGL <sup>c</sup>	Jet Fuel <sup>d</sup>	Motor Gasoline <sup>e</sup>	Residual Fuel Oil	Other <sup>f</sup>	Total		Wood and Waste <sup>h,i</sup>	Losses and Co-products <sup>j</sup>			Million Kilowatt-hours			
															Thousand Barrels			
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	--	--	--
2001	150	226	23,609	7,083	21,815	63,492	6,415	18,061	140,476	60	--	--	--	--	78,495	--	--	--
2002	126	194	24,786	4,830	18,076	64,544	5,447	17,526	135,209	178	--	--	--	--	75,404	--	--	--
2003	116	192	24,236	2,735	17,493	64,317	6,071	17,357	132,207	55	--	--	--	--	78,134	--	--	--
2004	107	196	23,949	2,752	19,219	64,302	6,535	19,280	136,038	75	--	--	--	--	79,982	--	--	--
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	19,259	63,817	6,715	18,564	137,147	55	--	--	--	--	90,380	--	--	--
2011	97	225	25,888	4,502	16,386	63,269	8,029	17,046	135,119	3	--	--	--	--	93,725	--	--	--
2012	109	221	23,610	4,254	19,356	62,725	10,069	18,419	138,432	1	--	--	--	--	92,336	--	--	--
2013	106	231	22,849	4,246	15,816	65,300	9,731	16,795	134,737	0	--	--	--	--	92,883	--	--	--
2014	141	222	24,078	4,211	16,756	64,960	6,491	16,286	132,781	0	--	--	--	--	92,141	--	--	--
2015	102	211	26,031	3,765	18,742	67,072	8,741	R 18,312	R 142,663	0	--	--	--	--	90,116	--	--	--
2016	100	220	27,123	4,295	20,839	67,014	17,901	R 17,342	R 154,515	0	--	--	--	--	88,885	--	--	--
2017	76	R 244	26,042	4,289	22,398	66,926	13,684	R 16,739	R 150,077	0	--	--	--	--	91,948	--	--	--
2018	74	231	28,564	4,624	22,656	69,395	10,312	16,560	152,111	0	--	--	--	--	90,006	--	--	--

Trillion Btu																		
1960	15.2	67.2	105.6	2.1	24.4	121.2	58.4	45.1	356.7	2.1	58.5	NA	NA	NA	88.5	588.3	219.0	807.3
1970	5.9	158.2	106.0	6.3	59.3	189.5	65.3	80.3	506.7	1.4	66.5	NA	NA	NA	162.4	901.2	393.0	1,294.1
1980	10.8	134.5	107.4	5.5	67.5	224.1	107.4	81.5	593.3	1.3	88.3	NA	NA	NA	237.7	1,065.9	571.0	1,636.8
1990	6.6	167.4	117.2	8.3	126.0	280.8	102.3	128.3	763.0	2.9	89.7	0.3	0.1	0.4	310.6	1,341.5	R 737.3	R 2,078.8
2000	3.3	221.3	141.6	23.1	140.2	327.9	47.5	152.9	833.2	1.0	79.4	0.1	0.3	0.3	329.3	1,468.3	R 779.8	R 2,248.1
2001	3.4	233.8	137.4	25.4	123.7	330.2	40.3	110.4	767.4	0.6	85.3	0.1	0.3	0.3	267.8	1,359.0	R 670.3	R 2,029.3
2002	2.8	199.9	144.2	18.1	102.5	335.6	34.2	107.3	741.9	1.8	78.6	0.1	0.4	0.2	257.3	1,283.0	R 593.3	R 1,876.3
2003	2.7	196.8	141.0	10.3	99.2	334.3	38.2	105.7	728.6	0.6	82.9	0.1	0.5	0.2	266.6	1,278.9	R 601.9	R 1,880.8
2004	2.4	201.9	139.3	10.3	109.0	334.1	41.1	117.3	751.1	0.8	81.6	(s)	0.6	0.2	272.9	R 1,311.4	R 631.8	R 1,943.2
2005	1.5	204.8	143.9	10.6	104.8	338.6	48.9	129.1	775.9	0.5	70.1	(s)	0.6	0.1	284.6	R 1,338.6	R 639.4	R 1,978.0
2006	2.0	210.7	173.4	10.5	105.4	340.7	39.0	134.4	803.4	0.6	92.9	0.0	0.7	0.1	290.1	R 1,401.4	R 682.9	R 2,084.3
2007	3.2	220.8	176.1	10.1	116.0	338.8	62.8	126.7	830.5	0.5	67.8	(s)	0.7	0.1	292.6	R 1,417.3	R 632.7	R 2,049.9
2008	3.0	230.3	173.1	17.4	114.0	326.2	28.3	125.3	784.4	0.5	69.6	(s)	0.8	0.1	298.0	R 1,387.6	R 654.4	R 2,042.0
2009	3.5	225.7	142.0	16.2	103.7	R 328.7	45.6	118.0	754.2	0.5	76.6	(s)	0.9	0.1	307.8	1,369.3	R 662.6	R 2,031.9
2010	2.7	212.9	142.0	16.2	109.2	323.4	42.2	111.8	744.8	0.5	97.3	(s)	1.0	0.2	308.4	1,367.8	R 674.5	R 2,042.3
2011	1.8	231.9	149.4	17.3	92.9	320.3	50.5	102.7	733.1	(s)	95.3	0.1	1.3	0.2	319.8	R 1,383.5	685.9	R 2,069.4
2012	2.1	227.7	136.2	16.3	109.7	317.5	63.3	110.7	753.8	(s)	95.0	(s)	1.1	0.3	315.1	1,395.1	R 652.6	R 2,047.7
2013	2.0	238.3	131.7	16.3	89.7	330.4	61.2	101.4	730.7	0.0	100.3	0.1	1.1	0.3	316.9	R 1,389.7	R 656.0	R 2,045.7
2014	2.7	232.0	138.8	16.2	95.0	328.6	40.8	98.5	717.9	0.0	100.8	0.1	1.1	0.5	314.4	R 1,369.5	652.0	R 2,021.5
2015	1.9	224.2	150.0	14.5	106.3	339.2	55.0	110.3	R 775.1	0.0	105.0	0.1	1.1	0.6	307.5	R 1,415.7	594.4	R 2,010.0
2016	1.9	237.0	156.1	16.5	118.2	338.8	112.5	R 107.4	R 849.5	0.0	R 114.2	0.1	1.1	1.0	303.3	R 1,508.0	565.9	R 2,074.0
2017	1.4	R 263.8	149.9	16.5	127.0	338.2	86.0	R 104.0	R 821.6	0.0	R 110.2	0.1	1.1	1.2	313.7	R 1,513.2	585.2	R 2,098.4
2018	1.4	251.5	164.5	17.8	128.5	350.7	64.8	102.9	829.2	0.0	109.9	0.1	1.1	1.5	307.1	1,501.8	576.8	2,078.7

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.  
<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil.  
<sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.  
<sup>d</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."  
<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.  
<sup>f</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.  
<sup>g</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.  
<sup>h</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>i</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.  
<sup>j</sup> Losses and co-products from the production of biodiesel and fuel ethanol.  
<sup>k</sup> Solar thermal and photovoltaic energy.

<sup>l</sup> 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 net energy 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.  
<sup>m</sup> 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 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>.  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.