

Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, Washington

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum							Nuclear electric power Million kilowatthours	Hydro-electric power ^g Million kilowatthours	Wind Million kilowatthours	Fuel ethanol ^h Thousand barrels	Biodiesel Thousand barrels
			Distillate fuel oil ^b Thousand barrels	HGL ^c Thousand barrels	Jet fuel ^d Thousand barrels	Motor gasoline ^e Thousand barrels	Residual fuel oil Thousand barrels	Other ^f Thousand barrels	Total Thousand barrels					
1960	608	65	18,123	548	4,502	23,076	9,300	7,709	63,257	0	34,349	0	NA	NA
1965	488	108	17,116	1,227	6,919	26,906	9,140	10,629	71,937	0	49,295	0	NA	NA
1970	245	150	18,201	1,659	10,637	36,068	10,384	13,212	90,161	2,614	69,525	0	NA	NA
1971	272	157	18,642	1,659	11,721	36,788	9,482	14,337	92,628	2,553	71,589	0	NA	NA
1972	2,179	170	19,374	1,368	10,680	38,036	11,824	17,093	98,375	2,919	75,883	0	NA	NA
1973	3,924	198	20,242	1,164	11,762	39,861	11,306	17,065	101,399	4,432	69,016	0	NA	NA
1974	3,213	183	16,859	1,147	12,312	39,752	10,180	15,589	95,839	3,889	82,491	0	NA	NA
1975	4,492	164	16,970	763	14,037	41,007	8,459	16,386	97,622	3,308	83,708	0	NA	NA
1976	4,794	149	18,680	813	12,990	43,311	7,411	16,320	99,524	2,405	94,457	0	NA	NA
1977	6,068	143	20,281	957	12,093	45,412	9,622	18,433	106,797	4,315	66,617	0	NA	NA
1978	4,973	127	21,243	1,300	11,480	47,438	11,455	17,708	110,624	4,140	88,906	0	NA	NA
1979	5,860	159	21,716	1,522	12,715	45,399	12,856	16,111	110,319	3,613	79,511	0	NA	NA
1980	5,443	129	18,471	1,487	12,036	42,653	17,277	13,446	105,370	2,041	83,111	0	NA	NA
1981	5,448	125	17,617	1,565	12,081	43,029	16,346	15,682	106,320	2,042	93,701	0	28	NA
1982	4,393	109	18,159	1,706	12,800	43,197	13,521	14,044	103,427	3,631	87,705	0	17	NA
1983	4,794	107	16,302	1,705	12,830	44,713	4,936	13,883	94,370	3,494	85,564	0	18	NA
1984	4,926	126	18,104	2,133	15,646	46,140	9,967	15,193	107,184	5,313	83,431	0	20	NA
1985	5,616	135	20,008	2,466	15,417	44,020	11,406	15,114	108,432	8,038	77,053	0	14	NA
1986	3,790	118	23,295	2,525	17,073	46,950	15,553	14,686	120,081	8,439	78,960	0	58	NA
1987	5,819	132	19,380	3,345	18,596	51,252	13,771	19,000	125,343	5,528	69,827	0	131	NA
1988	5,929	147	20,322	2,828	20,647	50,699	16,339	20,012	130,847	6,000	68,508	0	133	NA
1989	5,843	163	20,786	3,399	20,592	53,814	15,685	21,535	135,811	6,118	71,528	0	185	NA
1990	5,147	163	20,155	2,292	22,343	53,464	16,272	21,122	135,649	5,742	87,467	0	205	NA
1991	5,461	174	19,819	2,596	21,306	54,238	17,297	20,077	135,333	4,230	89,342	0	241	NA
1992	6,402	175	19,543	2,549	24,066	55,196	23,178	25,188	149,720	5,692	68,325	0	1,123	NA
1993	5,934	221	18,955	2,582	22,226	57,385	15,720	19,994	138,862	7,135	67,312	0	1,945	NA
1994	6,303	253	22,834	2,594	21,492	57,446	15,530	23,160	143,057	6,740	65,575	0	2,245	NA
1995	4,158	254	21,307	2,913	23,039	58,836	17,305	22,527	145,928	6,942	82,500	0	739	NA
1996	5,682	274	22,488	3,195	22,323	61,611	12,768	24,814	147,198	5,588	98,518	0	328	NA
1997	4,948	256	24,543	5,116	22,464	61,213	12,924	22,242	148,502	6,244	104,171	0	621	NA
1998	6,241	290	21,859	4,716	21,879	61,833	9,632	28,616	148,536	6,916	79,815	0	835	NA
1999	5,838	287	24,237	4,458	22,155	63,239	7,989	30,984	153,062	6,086	96,989	0	710	NA
2000	6,501	287	25,122	6,456	24,726	63,053	7,551	24,916	151,824	8,605	80,263	0	800	NA
2001	6,151	312	24,128	7,083	21,815	63,492	6,415	18,061	140,994	8,250	54,734	0	581	6
2002	6,252	234	24,826	4,830	18,076	64,544	5,447	17,526	135,249	9,048	78,167	417	1,687	10
2003	7,427	250	24,266	2,735	17,493	64,317	6,071	17,357	132,237	7,615	71,757	604	1,622	8
2004	6,986	262	24,003	2,752	19,219	64,302	6,535	19,280	136,092	8,982	71,576	737	544	16
2005	7,067	265	24,753	2,779	18,480	65,216	7,785	21,333	140,346	8,242	72,075	498	2,129	53
2006	4,219	263	29,918	2,773	18,588	65,712	6,207	22,249	145,446	9,328	82,008	1,038	2,335	153
2007	5,818	273	30,471	2,667	20,451	65,893	9,983	20,985	150,450	8,109	78,829	2,438	2,942	207
2008	5,911	298	29,996	4,696	20,110	63,891	4,509	20,792	143,994	9,270	77,637	3,657	5,156	178
2009	5,144	310	24,658	4,337	18,293	64,569	7,253	19,670	138,781	6,634	72,933	3,572	5,993	188
2010	5,868	286	24,624	4,206	13,184	63,817	6,715	18,565	131,110	9,241	68,288	4,745	5,138	152
2011	3,522	265	25,919	4,502	13,260	63,269	8,029	17,045	132,024	4,806	91,818	6,262	5,297	518
2012	2,612	265	23,636	4,254	12,943	62,725	10,069	18,419	132,046	9,334	89,464	6,600	5,058	473
2013	4,534	318	22,874	4,246	14,037	65,300	9,731	16,794	132,982	8,461	78,155	7,004	5,311	457
2014	4,616	307	24,107	4,211	14,536	64,960	6,491	16,286	130,590	9,497	79,463	7,268	5,685	482
2015	3,507	308	26,053	3,765	16,262	67,072	8,741	18,313	140,205	8,161	73,405	7,075	6,960	521
2016	3,175	301	27,147	4,295	17,503	67,014	17,901	R 17,306	R 151,166	9,626	78,346	8,042	6,881	543
2017	3,699	325	26,070	4,289	18,470	66,926	13,684	R 16,753	R 146,192	8,128	82,183	6,925	6,966	521
2018	3,702	308	28,590	4,624	18,527	69,395	10,312	R 16,588	R 148,036	9,708	80,883	7,900	7,162	572
2019	4,883	348	28,363	4,798	19,598	69,974	12,181	R 16,485	R 151,400	8,866	66,018	6,677	7,353	567
2020	3,558	R 329	26,559	4,475	12,360	55,140	5,918	R 14,587	R 119,039	9,427	76,410	9,266	5,849	531
2021	2,198	R 354	26,464	4,938	16,021	60,428	12,319	R 14,614	R 134,785	8,511	71,379	9,298	6,452	R 531
2022	2,482	351	26,690	4,958	17,911	60,722	12,624	14,291	137,196	9,852	78,916	8,061	6,498	534

^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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes. See technical notes.
^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 Includes 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.
 NA = Not available.
 Where shown, R = Revised data and (s) = Value less than 0.5.
 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/>

WASHINGTON
Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Washington
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)			
	Coal	Natural gas excluding supplemental gaseous fuels ^a	Petroleum							Total	Total	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	Total					
1960	15.2	67.2	105.6	2.1	24.4	121.2	58.5	45.1	356.8	439.2	67.2	105.6	121.2	
1965	12.1	116.2	99.7	4.7	38.2	141.3	57.5	64.4	405.8	534.1	116.2	99.7	141.3	
1970	5.9	158.2	106.0	6.3	59.3	189.5	65.3	80.3	506.7	670.8	158.2	106.0	189.5	
1971	6.4	165.3	108.6	6.3	65.4	193.2	59.6	87.2	520.4	692.1	165.3	108.6	193.2	
1972	36.6	179.8	112.9	5.2	59.6	199.8	74.3	104.1	555.9	772.3	179.8	112.9	199.8	
1973	65.0	208.0	117.9	4.4	65.8	209.4	71.1	104.2	572.8	845.7	208.0	117.9	209.4	
1974	54.2	191.3	98.2	4.3	68.9	208.8	64.0	94.9	539.1	784.6	191.3	98.2	208.8	
1975	76.2	171.2	98.8	2.9	78.8	215.4	53.2	99.8	548.9	796.4	171.2	98.8	215.4	
1976	81.2	154.9	108.8	3.0	72.9	227.5	46.6	99.6	558.4	794.5	154.9	108.8	227.5	
1977	102.4	149.1	118.1	3.5	67.7	238.5	60.5	112.1	600.5	852.0	149.1	118.1	238.5	
1978	84.7	133.3	123.7	4.8	64.3	249.2	72.0	107.6	621.7	839.7	133.3	123.7	249.2	
1979	99.0	165.9	126.5	5.6	71.4	238.5	80.8	98.2	621.0	886.0	165.9	126.5	238.5	
1980	91.0	135.5	107.6	5.5	67.5	224.1	108.6	81.5	594.8	821.2	135.5	107.6	224.1	
1981	90.9	131.2	102.6	5.8	67.8	226.0	102.8	95.8	600.9	822.9	131.2	102.6	226.0	
1982	74.1	114.4	105.8	6.3	71.9	226.9	85.0	86.2	582.0	770.5	114.4	105.8	226.9	
1983	80.2	111.8	95.0	6.3	72.1	234.9	31.0	84.7	524.0	716.0	111.8	95.0	234.9	
1984	82.3	132.0	105.5	7.7	87.9	242.4	62.7	92.8	599.0	813.2	132.0	105.5	242.4	
1985	93.7	140.0	116.5	8.8	86.6	231.2	71.7	92.5	607.4	841.1	140.0	116.5	231.2	
1986	63.3	121.8	135.7	9.1	96.1	246.6	97.8	90.7	675.9	861.0	121.8	135.7	246.6	
1987	95.7	136.1	112.9	12.1	104.7	269.2	86.6	115.9	701.4	933.2	136.1	112.9	269.2	
1988	99.1	150.5	118.4	10.2	116.3	266.3	102.7	121.4	735.4	985.0	150.5	118.4	266.3	
1989	96.7	167.8	121.1	12.3	116.0	282.7	98.6	130.7	761.5	1,025.9	167.8	121.1	282.7	
1990	85.6	167.4	117.4	8.3	126.0	280.8	102.3	128.3	763.2	1,016.2	167.4	117.4	280.8	
1991	89.1	179.2	115.4	9.4	120.2	284.9	108.7	122.8	761.6	1,029.9	179.2	115.4	284.9	
1992	106.1	180.6	113.8	9.3	136.0	289.9	145.7	153.0	847.7	1,134.4	180.6	113.8	289.9	
1993	97.8	229.6	110.4	9.4	125.6	292.6	98.8	122.1	759.0	1,086.4	229.6	110.4	292.6	
1994	106.9	263.2	132.9	9.5	121.7	291.7	97.6	141.3	794.8	1,164.8	263.2	132.9	291.7	
1995	69.8	264.5	124.0	10.7	130.4	303.6	108.8	137.6	815.2	1,149.4	264.5	124.0	303.6	
1996	90.9	283.9	130.9	11.6	126.5	319.9	80.3	151.1	820.4	1,195.2	283.9	130.9	319.9	
1997	80.5	268.1	142.8	18.8	127.4	316.5	81.3	135.9	822.6	1,171.2	268.1	142.8	316.5	
1998	103.5	303.3	127.2	17.3	124.1	318.8	60.6	174.5	822.4	1,229.2	303.3	127.2	318.8	
1999	96.9	302.3	141.0	16.3	125.6	326.5	50.2	188.7	848.4	1,247.5	302.3	141.0	326.5	
2000	106.2	297.6	146.2	23.1	140.2	325.2	47.5	152.9	835.0	1,238.8	297.6	146.2	325.2	
2001	99.4	322.4	140.4	25.4	123.7	328.2	40.3	110.4	768.4	1,190.2	322.4	140.4	328.2	
2002	100.8	240.5	144.5	18.1	102.5	329.7	34.2	107.3	736.3	1,077.6	240.5	144.5	329.7	
2003	118.2	255.8	141.2	10.3	99.2	328.6	38.2	105.7	723.2	1,097.2	255.8	141.2	328.6	
2004	112.5	269.6	139.6	10.3	109.0	332.2	41.1	117.3	749.5	1,131.6	269.6	139.6	332.2	
2005	112.3	272.2	144.0	10.6	104.8	331.2	48.9	129.1	768.7	1,153.1	272.2	144.0	331.2	
2006	69.2	271.0	173.6	10.5	105.4	332.6	39.0	134.4	795.6	1,135.7	271.0	173.6	332.6	
2007	95.7	279.4	176.2	10.1	116.0	328.6	62.8	126.7	820.4	1,195.6	279.4	176.2	328.6	
2008	94.6	307.1	173.4	17.4	114.0	308.3	28.3	125.3	766.8	1,168.5	307.1	173.4	308.3	
2009	84.0	319.7	141.2	16.2	103.7	307.9	45.6	118.0	732.6	1,136.4	319.7	141.2	307.9	
2010	94.9	294.9	141.4	16.2	74.8	305.6	42.2	111.8	691.9	1,081.7	294.9	141.4	305.6	
2011	57.0	272.3	147.3	17.3	75.2	302.0	50.5	102.7	694.9	1,024.2	272.3	147.3	302.0	
2012	42.7	271.9	134.1	16.3	73.4	300.0	63.3	110.7	697.8	1,012.4	271.9	134.1	300.0	
2013	75.0	327.8	128.0	16.3	79.6	312.0	61.2	101.4	698.4	1,101.2	327.8	128.0	312.0	
2014	76.5	320.2	135.0	16.2	82.4	308.9	40.8	98.5	681.9	1,078.6	320.2	135.0	308.9	
2015	58.3	327.7	145.7	14.5	92.2	315.0	55.0	110.3	732.7	1,118.7	327.7	145.7	315.0	
2016	53.3	324.9	150.2	16.5	99.2	314.9	112.5	R 107.2	R 800.5	R 1,178.7	324.9	150.2	314.9	
2017	61.7	350.9	144.5	16.5	104.7	314.0	86.0	R 104.2	R 769.9	R 1,182.5	350.9	144.5	314.0	
2018	61.2	334.8	159.4	17.8	105.1	325.8	64.8	R 103.1	R 775.9	R 1,171.9	334.8	159.4	325.8	
2019	80.8	R 378.2	158.4	18.4	111.1	327.9	76.6	R 102.4	R 794.8	R 1,253.9	R 378.2	158.4	327.9	
2020	59.4	R 356.9	148.1	17.2	70.1	258.2	37.2	R 91.0	R 621.8	R 1,038.2	R 356.9	148.1	258.2	
2021	36.9	R 384.8	R 150.4	19.0	90.8	282.7	77.5	R 91.7	R 710.4	R 1,132.1	R 384.8	R 150.4	282.7	
2022	42.2	381.9	151.7	19.0	101.6	284.0	79.4	89.7	723.7	1,147.8	381.9	151.7	284.0	

^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 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.

^d 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, Washington (continued)
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity ^k	Electricity net imports ^l	Total ^f
		Hydro-electric power ^{e,f}	Biomass						Geo-thermal ^f	Solar ^{fj}	Wind	Total ^f			
			Wood and waste ^{fg}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^f							
1960	0.0	R 117.2	58.5	NA	NA	NA	NA	58.5	0.0	NA	NA	R 175.7	R 150.6	-0.2	R 765.4
1965	0.0	R 168.2	66.2	NA	NA	NA	NA	66.2	0.0	NA	NA	R 234.4	R 179.3	-1.6	R 946.2
1970	28.7	R 237.2	66.5	NA	NA	NA	NA	66.5	0.0	NA	NA	R 303.7	R 227.6	2.1	R 1,233.0
1971	27.7	R 244.3	67.2	NA	NA	NA	NA	67.2	0.0	NA	NA	R 311.4	R 225.8	1.0	R 1,258.0
1972	31.5	R 258.9	67.0	NA	NA	NA	NA	67.0	0.0	NA	NA	R 325.9	R 260.3	3.4	R 1,393.4
1973	48.3	R 235.5	66.2	NA	NA	NA	NA	66.2	0.0	NA	NA	R 301.7	R 222.1	16.4	R 1,434.4
1974	43.4	R 281.5	65.2	NA	NA	NA	NA	65.2	0.0	NA	NA	R 346.6	R 235.9	8.2	R 1,418.7
1975	36.4	R 285.6	64.3	NA	NA	NA	NA	64.3	0.0	NA	NA	R 349.9	R 198.9	5.9	R 1,387.5
1976	26.6	R 322.3	71.4	NA	NA	NA	NA	71.4	0.0	NA	NA	R 393.7	R 223.1	2.1	R 1,439.8
1977	46.5	R 227.3	78.3	NA	NA	NA	NA	78.3	0.0	NA	NA	R 305.6	R 254.9	17.0	R 1,476.0
1978	45.3	R 303.3	81.0	NA	NA	NA	NA	81.0	0.0	NA	NA	R 384.4	R 273.4	8.4	R 1,551.3
1979	39.3	R 271.3	77.5	NA	NA	NA	NA	77.5	0.0	NA	NA	R 348.7	R 327.5	(s)	R 1,601.5
1980	22.3	R 283.6	88.3	NA	NA	NA	NA	88.3	0.0	NA	NA	R 371.8	R 352.3	2.9	R 1,570.6
1981	22.5	R 319.7	94.9	0.1	NA	NA	(s)	95.1	0.0	NA	NA	R 414.8	R 400.6	29.6	R 1,690.4
1982	40.2	R 299.3	91.1	0.1	NA	NA	0.1	91.3	0.0	NA	NA	R 390.6	R 371.6	13.8	R 1,586.6
1983	38.1	R 291.9	104.4	0.1	NA	NA	0.3	104.8	0.0	NA	0.0	R 396.7	R 379.6	8.1	R 1,538.5
1984	57.6	R 284.7	110.3	0.1	NA	NA	0.3	110.7	0.0	0.0	0.0	R 395.4	R 356.5	21.9	R 1,644.6
1985	85.4	R 262.9	112.0	(s)	NA	NA	0.3	112.4	0.0	0.0	0.0	R 375.3	R 351.7	3.1	R 1,656.5
1986	89.3	R 269.4	117.7	0.2	NA	NA	0.3	118.3	0.0	0.0	0.0	R 387.7	R 360.1	-7.9	R 1,690.1
1987	57.7	R 238.3	122.5	0.5	NA	NA	0.4	123.3	0.0	0.0	0.0	R 361.5	R 395.9	3.9	R 1,752.2
1988	63.6	R 233.8	127.4	0.5	NA	NA	0.4	128.2	0.0	0.0	0.0	R 362.0	R 481.3	1.9	R 1,893.8
1989	64.7	R 244.1	108.2	0.6	NA	NA	0.3	109.2	0.1	0.4	0.0	R 353.7	R 303.9	-2.7	R 1,945.6
1990	60.8	R 298.4	93.4	0.7	NA	NA	0.3	94.4	0.1	0.4	0.0	R 393.3	R -1.5	0.8	R 1,469.5
1991	44.3	R 304.8	73.9	0.8	NA	NA	0.3	75.1	0.1	0.4	0.0	R 380.4	R -7.7	8.9	R 1,455.8
1992	59.6	R 233.1	95.4	3.9	NA	NA	0.3	99.6	0.1	0.4	0.0	R 333.2	R 81.2	21.3	R 1,629.6
1993	74.9	R 229.7	96.5	6.7	NA	NA	0.3	103.5	0.1	0.4	0.0	R 333.7	R 139.2	2.4	R 1,636.7
1994	70.4	R 223.7	96.3	7.8	NA	NA	0.3	104.4	0.2	0.4	0.0	R 328.7	R 66.0	9.5	R 1,639.5
1995	72.9	R 281.5	90.1	2.6	NA	NA	0.3	93.0	0.2	0.4	0.0	R 375.0	R -10.2	-2.6	R 1,584.6
1996	58.7	R 336.1	89.7	1.1	NA	NA	0.1	90.9	0.2	0.4	0.0	R 427.6	R -116.9	15.7	R 1,580.3
1997	65.5	R 355.4	94.2	2.2	NA	NA	0.1	96.5	0.2	0.4	0.0	R 452.5	R -113.6	12.4	R 1,588.0
1998	72.6	R 272.3	87.1	2.9	NA	NA	0.1	90.2	0.3	0.3	0.0	R 363.1	R 13.9	8.4	R 1,687.2
1999	63.6	R 330.9	89.1	2.5	NA	NA	0.1	91.6	0.3	0.3	0.0	R 423.2	R -37.9	6.2	R 1,702.6
2000	89.7	R 273.9	89.2	2.8	NA	NA	0.1	92.1	0.3	0.3	0.0	R 366.6	R 11.6	-3.9	R 1,702.9
2001	86.2	R 186.8	92.7	2.0	(s)	NA	0.1	94.8	0.3	0.3	0.0	R 282.2	R 106.6	-17.3	R 1,647.9
2002	94.5	R 266.7	87.6	5.9	0.1	NA	0.1	93.6	0.4	0.2	R 1.4	R 362.4	R -90.5	-4.1	R 1,439.9
2003	79.4	R 244.8	95.7	5.6	(s)	NA	0.1	101.4	0.5	0.2	R 2.1	R 349.0	R -63.3	-6.7	R 1,455.6
2004	93.7	R 244.2	92.6	1.9	0.1	NA	(s)	94.6	0.6	0.2	R 2.5	R 342.0	R -44.1	-16.5	R 1,506.7
2005	86.0	R 245.9	81.3	7.4	0.3	NA	(s)	88.9	0.6	0.1	R 1.7	R 337.3	R -34.3	-10.3	R 1,531.9
2006	97.3	R 279.8	103.7	8.1	0.8	NA	0.0	112.7	0.7	0.1	R 3.5	R 396.8	R -26.8	-29.5	R 1,573.5
2007	85.1	R 269.0	79.1	10.2	1.1	NA	(s)	90.4	0.7	0.1	R 8.3	R 368.5	R -56.4	-11.1	R 1,581.7
2008	96.9	R 264.9	77.3	17.9	1.0	NA	(s)	96.1	0.8	0.1	R 12.5	R 374.4	R -48.5	-24.8	R 1,566.5
2009	69.4	R 248.8	84.3	20.7	1.0	NA	(s)	106.1	0.9	0.1	R 12.2	R 368.1	R -3.5	-21.1	R 1,549.4
2010	96.6	R 233.0	107.6	17.8	0.8	NA	(s)	126.2	1.0	R 0.1	R 16.2	R 376.5	R 12.8	-23.7	R 1,543.9
2011	50.3	R 313.3	104.4	18.4	2.8	0.0	0.1	125.6	1.3	R 0.1	R 21.4	R 461.7	R -34.1	-23.1	R 1,479.0
2012	97.8	R 305.3	101.3	17.5	2.5	0.0	(s)	121.4	1.1	R 0.2	R 22.5	R 450.5	R -52.5	-21.1	R 1,487.2
2013	88.4	R 266.7	108.0	18.4	2.5	0.0	0.1	128.9	1.1	R 0.2	R 23.9	R 420.8	R -38.6	-21.6	R 1,550.3
2014	99.3	R 271.1	108.6	19.7	2.6	0.0	0.0	131.0	1.1	R 0.2	R 24.8	R 428.3	R -51.5	-25.7	R 1,529.0
2015	85.3	R 250.5	113.3	24.2	2.8	0.0	0.1	R 140.3	1.1	R 0.3	R 24.1	R 416.4	R -47.0	-11.3	R 1,562.1
2016	100.7	R 267.3	122.8	23.9	2.9	0.0	0.1	149.7	1.1	R 0.4	R 27.4	R 446.0	R -89.6	-2.7	R 1,633.1
2017	85.0	R 280.4	117.7	24.2	2.8	0.0	0.1	R 144.8	1.1	R 0.5	R 23.6	R 450.5	R -81.3	-3.6	R 1,633.0
2018	101.5	R 276.0	116.7	25.0	3.1	0.0	0.1	144.9	1.1	R 0.6	R 27.0	R 449.6	R -84.1	-13.7	R 1,625.1
2019	92.6	R 225.3	118.4	25.6	3.0	0.0	0.1	147.2	1.1	R 1.0	R 28.8	R 397.3	R -30.0	-13.2	R 1,700.6
2020	98.5	R 260.7	R 100.6	20.3	2.8	0.0	0.1	R 123.9	1.1	R 1.1	R 31.6	R 418.5	R -143.3	16.9	R 1,428.8
2021	R 88.8	R 243.5	R 101.9	22.4	R 2.8	0.0	0.1	R 127.3	1.1	R 1.4	R 31.7	R 405.0	R -103.9	13.4	R 1,535.3
2022	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

^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

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

^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^h 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.

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

^j Solar thermal and photovoltaic energy.

^k 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.

^l 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/>

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/>

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2022, Washington

Year	Coal ^a Thousand short tons	Natural gas ^b Billion cubic feet	Petroleum				Biomass	Solar ^{e,f}	Electricity ^g Million kilowatthours	End use ^{e,h}	Electrical system energy losses ⁱ	Total ^{e,h}
			Distillate fuel oil	HGL ^c	Kerosene	Total						
	Thousand barrels				Wood ^d	Geothermal ^e						
1960	106	8	7,303	322	0	7,625	--	--	--	8,755	--	--
1965	83	17	6,495	830	9	7,335	--	--	--	11,015	--	--
1970	19	32	7,035	1,063	115	8,214	--	--	--	15,355	--	--
1975	6	34	4,806	375	203	5,384	--	--	--	19,209	--	--
1980	34	30	3,422	581	65	4,068	--	--	--	24,445	--	--
1985	47	33	3,010	513	86	3,609	--	--	--	27,933	--	--
1990	13	40	2,675	610	49	3,334	--	--	--	28,809	--	--
1995	10	53	2,003	1,149	86	3,238	--	--	--	30,147	--	--
2000	2	72	1,737	1,922	65	3,723	--	--	--	33,036	--	--
2005	0	74	1,250	1,902	54	3,207	--	--	--	33,212	--	--
2006	(s)	75	1,229	1,773	31	3,034	--	--	--	34,439	--	--
2007	(s)	80	1,102	1,690	13	2,805	--	--	--	35,389	--	--
2008	0	85	1,017	2,231	11	3,259	--	--	--	36,336	--	--
2009	0	84	972	2,489	18	3,479	--	--	--	36,768	--	--
2010	0	76	946	2,353	21	3,321	--	--	--	34,907	--	--
2011	0	85	871	2,367	13	3,251	--	--	--	36,376	--	--
2012	0	80	632	1,806	5	2,443	--	--	--	35,511	--	--
2013	0	83	607	1,820	4	2,431	--	--	--	35,983	--	--
2014	0	79	654	1,754	6	2,414	--	--	--	35,083	--	--
2015	0	72	612	1,527	4	2,143	--	--	--	34,072	--	--
2016	0	76	614	1,899	7	2,520	--	--	--	34,212	--	--
2017	0	91	834	2,290	4	3,129	--	--	--	37,283	--	--
2018	0	84	607	2,254	4	2,864	--	--	--	35,339	--	--
2019	0	90	629	2,836	6	3,471	--	--	--	36,512	--	--
2020	0	87	608	2,394	4	3,006	--	--	--	36,859	--	--
2021	0	90	711	2,437	5	3,152	--	--	--	38,021	--	--
2022	0	94	705	2,119	4	2,827	--	--	--	39,776	--	--

Trillion Btu													
1960	2.4	8.3	42.5	1.2	0.0	43.8	17.8	NA	NA	29.9	102.1	R 60.2	R 162.4
1965	1.9	18.7	37.8	3.2	0.1	41.1	12.5	NA	NA	37.6	111.7	R 73.9	R 185.7
1970	0.4	33.7	41.0	4.1	0.7	45.7	9.6	NA	NA	52.4	141.8	R 107.3	R 249.1
1975	0.1	35.8	28.0	1.4	1.1	30.6	10.3	NA	NA	65.5	142.3	R 133.8	R 276.1
1980	0.8	31.3	19.9	2.2	0.4	22.5	9.7	NA	NA	83.4	147.7	R 177.4	R 325.2
1985	1.1	34.3	17.5	2.0	0.5	20.0	17.0	NA	NA	95.3	167.7	R 193.7	R 361.4
1990	0.3	41.6	15.6	2.3	0.3	18.2	13.3	(s)	0.4	98.3	172.0	R 41.1	R 213.1
1995	0.2	55.0	11.7	4.4	0.5	16.6	17.1	(s)	0.4	102.9	192.1	R 51.8	R 243.9
2000	0.1	74.8	10.1	7.4	0.4	17.9	14.7	(s)	0.3	112.7	220.5	R 80.5	R 301.0
2005	0.0	75.8	7.3	7.3	0.3	14.9	11.3	(s)	0.1	113.3	215.5	R 77.1	R 292.6
2006	(s)	77.8	7.1	6.8	0.2	14.1	10.1	0.1	0.1	117.5	219.6	R 69.9	R 289.5
2007	(s)	82.2	6.4	6.5	0.1	12.9	11.1	0.1	0.1	120.7	227.2	R 68.0	R 295.1
2008	0.0	87.1	5.9	8.6	0.1	14.5	12.4	0.1	0.1	124.0	238.2	R 74.6	R 312.7
2009	0.0	86.7	5.6	9.6	0.1	15.3	17.5	0.1	0.1	125.5	245.2	R 73.6	R 318.8
2010	0.0	78.0	5.5	9.0	0.1	14.6	18.8	0.1	0.1	119.1	230.8	R 81.5	R 312.3
2011	0.0	87.9	5.0	9.1	0.1	14.2	18.3	0.9	R 0.1	124.1	R 245.4	R 43.8	R 289.2
2012	0.0	82.2	3.6	6.9	(s)	10.6	15.3	0.4	0.2	121.2	229.8	R 49.3	R 279.1
2013	0.0	86.1	3.5	7.0	(s)	10.5	19.9	0.4	R 0.2	122.8	R 239.8	R 66.7	R 306.6
2014	0.0	82.2	3.8	6.7	(s)	10.5	20.1	0.4	R 0.2	119.7	R 233.2	R 66.1	R 299.3
2015	0.0	76.5	3.5	5.9	(s)	9.4	23.0	0.4	R 0.3	116.3	R 225.8	R 61.4	R 287.2
2016	0.0	82.3	3.5	7.3	(s)	10.9	R 25.2	0.4	R 0.4	116.7	R 235.8	R 56.9	R 292.7
2017	0.0	98.3	4.8	8.8	(s)	13.6	R 26.0	0.4	R 0.5	127.2	R 266.0	R 59.3	R 325.2
2018	0.0	90.8	3.5	8.7	(s)	12.2	27.9	0.4	R 0.6	120.6	R 252.3	R 59.1	R 311.4
2019	0.0	97.6	3.6	10.9	(s)	14.5	31.7	0.4	R 0.7	124.6	R 269.5	R 75.3	R 344.8
2020	0.0	94.6	3.5	9.2	(s)	12.7	R 19.8	0.4	R 0.9	125.8	R 254.0	R 57.5	R 311.5
2021	0.0	97.2	4.1	9.4	(s)	13.5	R 19.1	0.4	R 1.0	129.7	R 260.9	R 58.7	R 319.7
2022	0.0	102.3	4.1	8.1	(s)	12.2	23.1	0.4	1.3	135.7	275.0	59.7	334.6

^a Beginning in 2008, data are no longer collected and are assumed to be zero.
^b Includes supplemental gaseous fuels that are commingled with natural gas.
^c Hydrocarbon gas liquids, assumed to be propane only.
^d Wood and wood-derived fuels.
^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^f Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
^g Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^h 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.
ⁱ 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: · 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/>

WASHINGTON Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, Washington

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum					Hydro-electric power ^{e,f} Million kilowatthours	Biomass Wood and waste ^g	Geothermal ^f	Solar ^{f,h} Million kilowatthours	Electricity ⁱ Million kilowatthours	End use ^{f,j}	Electrical system energy losses ^k	Total ^{f,j}	
			Distillate fuel oil	HGL ^b	Kerosene	Motor gasoline ^c	Residual fuel oil									Total ^d
			Thousand barrels													
1960	74	6	2,308	86	0	222	441	3,057	NA	--	--	NA	3,220	--	--	
1965	63	11	2,053	222	1	255	412	2,944	NA	--	--	NA	4,380	--	--	
1970	15	18	2,224	284	15	304	481	3,308	NA	--	--	NA	6,723	--	--	
1975	14	32	1,519	100	26	374	355	2,374	NA	--	--	NA	10,377	--	--	
1980	127	31	1,073	155	18	478	426	2,150	NA	--	--	NA	13,845	--	--	
1985	168	35	4,154	137	206	357	748	5,602	NA	--	--	NA	18,965	--	--	
1990	53	39	1,865	163	14	281	53	2,376	85	--	--	(s)	21,510	--	--	
1995	68	43	1,264	307	14	59	110	1,754	83	--	--	(s)	23,912	--	--	
2000	18	50	902	514	12	275	27	1,729	70	--	--	(s)	28,047	--	--	
2005	0	50	1,038	401	48	137	0	1,624	49	--	--	(s)	28,100	--	--	
2006	(s)	51	1,018	471	22	137	1	1,649	62	--	--	(s)	28,580	--	--	
2007	(s)	54	783	474	10	168	(s)	1,436	45	--	--	(s)	29,599	--	--	
2008	0	56	1,339	768	7	162	0	2,275	46	--	--	(s)	29,878	--	--	
2009	0	56	1,018	678	6	139	(s)	1,840	45	--	--	(s)	30,069	--	--	
2010	0	51	1,526	722	5	97	0	2,350	53	--	--	2	28,833	--	--	
2011	0	56	1,172	682	3	103	(s)	1,960	0	--	--	3	29,409	--	--	
2012	0	53	1,172	1,068	1	143	(s)	2,385	0	--	--	5	29,240	--	--	
2013	0	56	1,175	922	1	166	(s)	2,265	0	--	--	6	29,659	--	--	
2014	0	54	1,297	975	3	142	0	2,417	0	--	--	8	29,040	--	--	
2015	0	50	1,296	728	0	1,592	0	3,617	0	--	--	10	29,267	--	--	
2016	0	52	1,305	864	4	1,824	0	3,997	0	--	--	13	28,989	--	--	
2017	0	60	738	1,119	2	1,560	0	3,418	0	--	--	19	29,800	--	--	
2018	0	57	1,375	1,297	2	1,592	0	4,265	0	--	--	24	29,396	--	--	
2019	0	61	746	1,236	3	1,596	0	3,581	0	--	--	30	29,270	--	--	
2020	0	56	1,341	1,264	4	1,605	0	4,213	0	--	--	36	27,307	--	--	
2021	0	58	1,183	1,372	2	1,614	0	4,171	0	--	--	44	28,637	--	--	
2022	0	63	1,157	1,269	2	1,692	0	4,121	0	--	--	61	29,780	--	--	

Trillion Btu																
1960	1.7	6.7	13.4	0.3	0.0	1.2	2.8	17.7	NA	0.3	NA	NA	11.0	37.4	R 22.2	R 59.6
1965	1.4	11.5	12.0	0.9	(s)	1.3	2.6	16.8	NA	0.2	NA	NA	14.9	44.8	R 29.4	R 74.2
1970	0.3	19.5	13.0	1.1	0.1	1.6	3.0	18.8	NA	0.2	NA	NA	22.9	61.7	R 47.0	R 108.7
1975	0.3	33.3	8.8	0.4	0.1	2.0	2.2	13.6	NA	0.2	NA	NA	35.4	82.8	R 72.3	R 155.1
1980	2.9	32.4	6.2	0.6	0.1	2.5	2.7	12.1	NA	0.2	NA	NA	47.2	94.9	R 100.5	R 195.4
1985	3.9	36.9	24.2	0.5	1.2	1.9	4.7	32.5	NA	0.4	NA	NA	64.7	138.4	R 131.5	R 269.9
1990	1.1	39.8	10.9	0.6	0.1	1.5	0.3	13.4	R 0.3	1.5	0.1	(s)	73.4	R 129.5	R 30.7	R 160.2
1995	1.5	44.4	7.4	1.2	0.1	0.3	0.7	9.6	R 0.3	2.3	0.2	(s)	81.6	R 139.9	R 41.1	R 180.9
2000	0.5	52.6	5.2	2.0	0.1	1.4	0.2	8.9	R 0.2	2.5	0.3	(s)	95.7	R 160.7	R 68.4	R 229.0
2005	0.0	51.2	6.0	1.5	0.3	0.7	0.0	8.6	R 0.2	1.8	0.6	(s)	95.9	R 158.2	R 65.2	R 223.5
2006	(s)	52.8	5.9	1.8	0.1	0.7	(s)	8.6	R 0.2	1.7	0.6	(s)	97.5	R 161.4	R 58.0	R 219.4
2007	(s)	55.1	4.5	1.8	0.1	0.9	(s)	7.3	R 0.2	1.8	0.7	(s)	101.0	R 165.9	R 56.9	R 222.8
2008	0.0	57.9	7.7	2.9	(s)	0.8	0.0	11.6	R 0.2	1.9	0.7	(s)	101.9	R 174.2	R 61.3	R 235.5
2009	0.0	57.4	5.9	2.6	(s)	0.7	(s)	9.2	R 0.2	2.5	0.8	(s)	102.6	R 172.6	R 60.2	R 232.8
2010	0.0	53.0	8.8	2.8	(s)	0.5	0.0	12.1	R 0.2	2.4	0.9	(s)	98.4	R 167.0	R 67.3	R 234.3
2011	0.0	58.1	6.8	2.6	(s)	0.5	(s)	9.9	0.0	2.4	0.4	(s)	100.3	R 171.2	R 35.4	R 206.6
2012	0.0	55.0	6.8	4.1	(s)	0.7	(s)	11.6	0.0	2.1	0.8	(s)	99.8	R 169.2	R 40.6	R 209.8
2013	0.0	57.7	6.8	3.5	(s)	0.8	(s)	11.2	0.0	2.5	0.8	R (s)	101.2	R 173.3	R 55.0	R 228.3
2014	0.0	56.9	7.5	3.7	(s)	0.7	0.0	12.0	0.0	2.7	0.8	R (s)	99.1	R 171.4	R 54.7	R 226.1
2015	0.0	53.1	7.5	2.8	(s)	0.8	0.0	18.3	0.0	3.5	0.8	R (s)	99.9	R 175.6	R 52.8	R 228.4
2016	0.0	55.7	7.5	3.3	(s)	0.9	0.0	20.1	0.0	4.6	0.8	R (s)	98.9	R 180.1	R 48.2	R 228.4
2017	0.0	64.9	4.2	4.3	(s)	7.9	0.0	16.4	0.0	4.9	0.8	R 0.1	101.7	R 188.7	R 47.4	R 236.1
2018	0.0	62.0	7.9	5.0	(s)	8.0	0.0	21.0	0.0	4.3	0.8	R 0.1	100.3	R 188.4	R 49.2	R 237.5
2019	0.0	66.2	4.3	4.7	(s)	8.1	0.0	17.1	0.0	4.7	0.8	R 0.1	99.9	R 188.8	R 60.3	R 249.1
2020	0.0	60.2	7.7	4.9	(s)	8.1	0.0	20.7	0.0	4.7	0.8	R 0.1	93.2	R 179.7	R 42.6	R 222.3
2021	0.0	62.5	6.8	5.3	(s)	8.1	0.0	R 20.3	0.0	4.5	0.8	R 0.2	97.7	R 185.9	R 44.2	R 230.1
2022	0.0	68.7	6.7	4.9	(s)	8.5	0.0	20.1	0.0	4.4	0.8	0.2	101.6	195.8	44.7	240.5

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Hydrocarbon gas liquids, assumed to be propane only.
^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
^d Includes small amounts of petroleum coke not shown separately.
^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
^h Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^j 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 commercial utility-scale facilities.
^k 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: Totals may not equal sum of components due to independent rounding. The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. 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 CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, Washington

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum						Hydro-electric power ^{e,f} Million kWh	Biomass		Geo-thermal ^f	Solar ^{f,i} Million kWh	Electricity ^j Million kWh	Electrical system energy losses ^l	Total ^{f,k}	
			Distillate fuel oil	HGL ^b	Motor gasoline ^c	Residual fuel oil	Other ^d	Total		Wood and waste ^{f,g}	Losses and co-products ^h						End use ^{f,k}
1960	420	50	5,937	134	802	7,137	5,134	19,144	195	--	--	NA	13,975	--	--		
1965	341	79	5,546	155	765	7,281	9,804	23,551	190	--	--	NA	18,703	--	--		
1970	210	93	4,986	274	551	7,874	12,331	26,015	135	--	--	NA	25,530	--	--		
1975	463	92	4,025	250	438	5,924	15,456	26,094	181	--	--	NA	27,416	--	--		
1980	332	64	4,350	658	278	6,538	12,506	24,331	129	--	--	NA	31,366	--	--		
1985	208	63	2,889	1,487	692	5,167	14,164	24,199	129	--	--	NA	29,431	--	--		
1990	229	78	3,976	1,228	658	1,989	20,233	28,084	189	--	--	(s)	40,712	--	--		
1995	223	110	3,724	1,278	555	644	21,708	27,910	197	--	--	(s)	34,276	--	--		
2000	126	84	2,953	4,003	533	888	23,985	32,362	32	--	--	(s)	35,410	--	--		
2005	71	67	2,900	237	1,261	7	20,528	24,938	2	--	--	(s)	22,112	--	--		
2006	94	71	3,707	284	1,311	7	21,582	26,891	2	--	--	(s)	22,013	--	--		
2007	136	74	3,970	336	969	3	20,342	25,620	3	--	--	(s)	20,753	--	--		
2008	148	76	4,951	1,282	876	7	20,230	27,347	2	--	--	(s)	21,117	--	--		
2009	170	71	2,836	941	848	265	19,164	24,055	2	--	--	(s)	23,371	--	--		
2010	141	71	2,991	1,111	1,114	249	17,864	23,329	3	--	--	(s)	26,633	--	--		
2011	97	76	2,927	1,433	1,131	262	16,347	22,098	3	--	--	(s)	27,933	--	--		
2012	109	78	2,553	1,361	1,105	176	17,730	22,925	1	--	--	(s)	27,579	--	--		
2013	106	81	2,608	1,481	1,139	154	16,092	21,474	0	--	--	(s)	27,235	--	--		
2014	141	79	2,489	1,456	1,019	0	15,660	20,625	0	--	--	(s)	28,013	--	--		
2015	102	77	3,114	1,476	1,000	0	17,600	23,190	0	--	--	(s)	26,772	--	--		
2016	100	79	3,254	1,478	985	0	R 16,606	R 22,322	0	--	--	(s)	25,678	--	--		
2017	76	81	3,109	818	997	10	R 16,142	R 21,075	0	--	--	(s)	24,859	--	--		
2018	74	77	3,909	1,022	1,014	5	R 15,981	R 21,932	0	--	--	(s)	25,263	--	--		
2019	79	78	4,336	603	1,009	0	R 15,850	R 21,798	0	--	--	1	25,172	--	--		
2020	82	78	4,485	719	1,017	0	R 14,100	R 20,320	0	--	--	1	22,442	--	--		
2021	79	81	3,507	931	999	5	R 13,738	R 19,180	0	--	--	1	21,436	--	--		
2022	78	80	3,545	1,473	1,039	5	13,391	19,453	0	--	--	1	21,227	--	--		

Trillion Btu

1960	10.9	51.8	34.6	0.5	4.2	44.9	31.6	115.8	R 0.7	40.4	NA	NA	NA	47.7	R 267.3	R 96.1	R 363.4
1965	8.8	85.3	32.3	0.6	4.0	45.8	59.9	142.6	R 0.6	53.5	NA	NA	NA	63.8	R 354.6	R 125.5	R 480.2
1970	5.1	98.3	29.0	1.0	2.9	49.5	75.4	157.8	R 0.5	56.8	NA	NA	NA	87.1	R 405.5	R 178.4	R 583.9
1975	10.9	96.0	23.4	0.9	2.3	37.2	94.6	158.4	R 0.6	53.9	NA	NA	NA	93.5	R 413.4	R 191.0	R 604.4
1980	7.1	67.0	25.3	2.3	1.5	41.1	76.2	146.4	R 0.4	78.3	NA	NA	NA	107.0	R 406.2	R 227.7	R 633.9
1985	4.5	65.7	15.7	5.1	3.6	32.5	87.0	143.9	R 0.4	91.7	0.3	NA	NA	100.4	R 407.0	R 204.1	R 611.1
1990	5.2	80.8	23.2	4.2	3.5	12.5	123.2	166.6	R 0.6	75.0	0.3	(s)	138.9	R 467.3	R 58.1	R 525.4	
1995	4.2	114.6	21.7	4.4	2.9	4.1	133.0	166.0	R 0.7	64.7	0.3	(s)	117.0	R 467.5	R 58.9	R 526.4	
2000	2.8	87.3	17.2	13.7	2.8	5.6	147.6	186.8	R 0.1	62.2	0.1	(s)	120.8	R 460.2	R 86.3	R 546.5	
2005	1.5	68.9	16.9	0.8	6.5	0.1	124.5	148.9	(s)	56.9	(s)	0.0	(s)	75.4	R 351.6	R 51.3	R 402.9
2006	2.0	72.9	21.5	1.0	6.8	(s)	130.5	159.9	(s)	81.1	0.0	(s)	(s)	75.1	R 391.0	R 44.7	R 435.7
2007	3.2	75.4	23.0	1.1	5.0	(s)	123.0	152.1	(s)	54.9	(s)	0.0	(s)	70.8	R 356.5	R 39.9	R 396.4
2008	3.0	78.0	28.6	4.3	4.5	(s)	122.0	159.5	(s)	55.3	(s)	0.0	(s)	72.1	R 367.8	R 43.3	R 411.1
2009	3.5	73.4	16.4	3.1	4.3	1.7	115.1	140.6	(s)	56.6	(s)	0.0	(s)	79.7	R 353.8	R 46.8	R 400.6
2010	2.7	73.6	17.3	4.3	5.6	1.6	107.8	136.5	(s)	76.0	(s)	0.0	(s)	90.9	R 379.8	R 62.2	R 441.9
2011	1.8	78.5	16.9	5.5	5.7	1.6	98.7	128.5	(s)	74.7	0.1	0.0	(s)	95.3	R 378.8	R 33.6	R 412.5
2012	2.1	80.5	14.7	5.2	5.6	1.1	106.8	133.4	(s)	77.7	(s)	0.0	(s)	94.1	R 387.8	R 38.3	R 426.1
2013	2.0	83.6	15.0	5.7	5.8	1.0	97.3	124.8	0.0	78.0	0.1	0.0	(s)	92.9	R 381.3	R 50.5	R 431.8
2014	2.7	83.0	14.3	5.6	5.2	0.0	94.8	119.9	0.0	78.0	0.1	0.0	(s)	95.6	R 379.2	R 52.8	R 432.0
2015	1.9	81.4	17.9	5.7	5.1	0.0	106.1	134.7	0.0	78.4	0.1	0.0	(s)	91.3	R 387.9	R 48.3	R 436.2
2016	1.9	85.5	18.7	5.7	5.0	0.0	103.0	132.4	0.0	84.5	0.1	0.0	(s)	87.6	R 392.0	R 42.7	R 434.8
2017	1.4	87.1	17.9	3.1	5.0	0.1	R 100.6	R 126.7	0.0	78.5	0.1	0.0	(s)	84.8	R 378.7	R 39.5	R 418.2
2018	1.4	84.0	22.5	3.9	5.1	(s)	R 99.6	R 131.2	0.0	76.7	0.1	0.0	(s)	86.2	R 379.6	R 42.2	R 421.9
2019	1.5	85.2	25.0	2.3	5.1	0.0	R 98.7	R 131.1	0.0	75.8	0.1	0.0	(s)	85.9	R 379.5	R 51.9	R 431.4
2020	1.5	84.7	25.8	2.8	5.1	0.0	R 88.1	R 121.8	0.0	70.4	0.1	0.0	(s)	76.6	R 355.3	R 35.0	R 390.3
2021	1.5	87.7	20.2	3.6	5.0	(s)	R 86.7	R 115.6	0.0	72.1	0.1	0.0	(s)	73.1	R 350.1	R 33.1	R 383.2
2022	1.5	87.2	20.4	5.7	5.2	(s)	84.6	116.0	0.0	67.2	0.1	0.0	(s)	72.4	344.4	31.8	376.2

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
^d Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
^e Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
^h Losses and co-products from the production of biodiesel and fuel ethanol.
ⁱ Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
^j Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^k 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 industrial utility-scale facilities.
^l 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.
kWh = Kilowatthours. -- = 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: · Totals may not equal sum of components due to independent rounding. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. · The continuity of these data series estimates may be affected by the 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/>

WASHINGTON Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, Washington

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum								Electricity ^f Million kilowatthours	End use ^{g,h}	Electrical system energy losses ⁱ	Total ^{g,h}
			Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total				
			Thousand barrels											
1960	7	(s)	2,161	2,574	6	4,502	413	22,052	1,707	33,415	1	--	--	--
1965	1	1	434	3,022	21	6,919	381	25,886	1,443	38,104	2	--	--	--
1970	(s)	6	351	3,956	38	10,637	400	35,213	2,025	52,620	2	--	--	--
1975	(s)	6	274	6,616	37	14,036	428	40,196	2,109	63,696	2	--	--	--
1980	0	4	356	9,595	92	12,036	501	41,897	10,112	74,589	2	--	--	--
1985	0	3	202	10,139	329	15,417	456	42,971	5,492	75,005	14	--	--	--
1990	0	5	313	11,609	291	22,343	513	52,525	14,229	101,823	16	--	--	--
1995	0	9	229	14,082	179	23,039	490	58,222	16,551	112,793	18	--	--	--
2000	0	6	332	18,748	18	24,726	523	62,246	6,635	113,227	18	--	--	--
2005	0	9	262	19,543	239	18,480	441	63,818	7,773	110,556	2	--	--	--
2006	0	7	184	23,925	244	18,588	430	64,264	6,199	113,833	1	--	--	--
2007	0	8	176	24,589	167	20,451	444	64,756	9,979	120,562	2	--	--	--
2008	0	7	132	22,643	416	20,110	412	62,853	4,502	111,068	2	--	--	--
2009	0	8	112	19,762	229	18,293	370	63,583	6,988	109,336	3	--	--	--
2010	0	8	160	19,124	20	13,184	514	62,605	6,466	102,073	7	--	--	--
2011	0	7	174	20,918	21	13,260	508	62,035	7,767	104,684	7	--	--	--
2012	0	10	187	19,253	19	12,943	495	61,476	9,893	104,267	7	--	--	--
2013	0	11	164	18,459	23	14,037	533	63,995	9,577	106,787	6	--	--	--
2014	0	9	73	19,638	26	14,536	543	63,799	6,491	105,106	5	--	--	--
2015	0	12	93	21,009	34	16,262	614	64,480	8,741	111,233	5	--	--	--
2016	0	12	87	21,951	54	17,503	R 603	64,204	17,901	R 122,303	6	--	--	--
2017	0	13	86	21,360	62	18,470	R 519	64,369	13,674	R 118,541	7	--	--	--
2018	0	14	102	22,673	50	18,527	R 499	66,789	10,307	R 118,949	7	--	--	--
2019	0	R 13	114	22,629	122	19,598	R 514	67,369	12,181	R 122,526	99	--	--	--
2020	0	R 14	98	20,103	99	12,360	R 382	52,518	5,918	R 91,477	98	--	--	--
2021	0	R 14	111	R 21,041	199	16,021	R 453	57,814	12,314	R 108,259	104	--	--	--
2022	0	17	115	21,237	98	17,911	465	57,991	12,619	110,749	114	--	--	--

Trillion Btu

1960	0.2	0.4	10.9	15.0	(s)	24.4	2.5	115.8	10.7	179.4	(s)	180.0	(s)	180.0
1965	(s)	0.7	2.2	17.6	0.1	38.2	2.3	136.0	9.1	205.4	(s)	206.2	(s)	206.2
1970	(s)	6.8	1.8	23.0	0.1	59.3	2.4	185.0	12.7	284.4	(s)	291.2	(s)	291.2
1975	(s)	6.1	1.4	38.5	0.1	78.7	2.6	211.1	13.3	345.8	(s)	351.9	(s)	351.9
1980	0.0	3.9	1.8	55.9	0.4	67.5	3.0	220.1	63.6	412.3	(s)	416.1	(s)	416.1
1985	0.0	3.0	1.0	59.1	1.3	86.6	2.8	225.7	34.5	411.0	(s)	414.1	0.1	414.2
1990	0.0	5.3	1.6	67.6	1.1	126.0	3.1	275.9	89.5	564.8	R (s)	570.8	R (s)	R 570.9
1995	0.0	9.1	1.2	82.0	0.7	130.4	3.0	303.0	104.1	624.2	0.1	633.3	R (s)	R 633.4
2000	0.0	6.6	1.7	109.1	0.1	140.2	3.2	323.7	41.7	619.7	0.1	626.3	R (s)	R 626.3
2005	0.0	9.0	1.3	113.7	0.9	104.8	2.7	331.3	48.9	603.6	(s)	612.9	(s)	612.9
2006	0.0	7.3	0.9	138.8	0.9	105.4	2.6	333.2	39.0	620.9	(s)	629.0	(s)	629.0
2007	0.0	8.1	0.9	142.2	0.6	116.0	2.7	333.0	62.7	658.1	(s)	667.3	(s)	667.3
2008	0.0	7.3	0.7	130.9	1.6	114.0	2.5	320.9	28.3	598.9	(s)	607.2	(s)	607.2
2009	0.0	8.2	0.6	114.2	0.9	103.7	2.2	323.6	43.9	589.1	(s)	597.4	(s)	597.4
2010	0.0	8.3	0.8	110.4	0.1	74.8	3.1	317.2	40.6	547.1	(s)	555.4	(s)	555.4
2011	0.0	7.4	0.9	120.7	0.1	75.2	3.1	314.1	48.8	562.8	(s)	570.2	R (s)	R 570.2
2012	0.0	10.0	0.9	111.0	0.1	73.4	3.0	311.2	62.2	561.8	(s)	571.8	(s)	R 571.8
2013	0.0	10.9	0.8	106.4	0.1	79.6	3.2	323.8	60.2	574.1	(s)	585.1	(s)	585.1
2014	0.0	9.9	0.4	113.2	0.1	82.4	3.3	322.8	40.8	562.9	(s)	572.9	(s)	572.9
2015	0.0	13.3	0.5	121.1	0.1	92.2	3.7	326.1	55.0	598.6	(s)	611.9	(s)	611.9
2016	0.0	13.4	0.4	126.4	0.2	99.2	R 3.7	324.6	112.5	R 667.0	(s)	R 680.5	(s)	R 680.5
2017	0.0	13.5	0.4	123.0	0.2	104.7	R 3.1	325.3	86.0	R 642.7	(s)	R 656.3	(s)	R 656.3
2018	0.0	14.7	0.5	130.6	0.2	105.1	R 3.0	337.6	64.8	R 641.7	(s)	R 656.5	(s)	R 656.5
2019	0.0	R 14.1	0.6	130.3	0.5	111.1	R 3.1	340.3	76.6	R 662.5	0.3	R 676.9	R 0.2	R 677.1
2020	0.0	R 14.7	0.5	115.7	0.4	70.1	R 2.3	265.3	37.2	491.5	0.3	R 506.5	R 0.2	R 506.7
2021	0.0	R 15.5	0.6	R 121.3	0.8	90.8	2.7	292.0	77.4	R 587.2	0.4	R 603.1	R 0.2	R 603.3
2022	0.0	18.9	0.6	122.4	0.4	101.6	2.8	292.8	79.3	601.6	0.4	620.9	0.2	621.1

^a Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.

^b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.

^c Hydrocarbon gas liquids, assumed to be propane only.

^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 "Industrial sector, Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.

^f Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.

^g There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.

^h For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

ⁱ 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.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: - Totals may not equal sum of components due to independent rounding. The continuity of these data series estimates may be affected by the 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 CT8. Electric power sector consumption estimates, selected years, 1960-2022, Washington

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum				Nuclear electric power Million kilowatthours	Hydroelectric power ^d Million kilowatthours	Biomass Wood and waste ^{e,f} Million kilowatthours	Geothermal ^f Million kilowatthours	Solar ^{f,g} Million kilowatthours	Wind ^f Million kilowatthours	Electricity net imports ^h Million kilowatthours	Total ^{i,j} Million kilowatthours
			Distillate fuel oil ^b	Petroleum coke	Residual fuel oil ^c	Total								
			Thousand barrels	Thousand barrels	Thousand barrels	Thousand barrels								
1960	0	0	2	0	14	16	0	34,154	--	0	NA	NA	-50	--
1965	0	0	(s)	0	3	3	0	49,105	--	0	NA	NA	-481	--
1970	0	0	(s)	0	3	4	2,614	69,391	--	0	NA	NA	617	--
1975	4,009	0	4	0	71	75	3,308	83,527	--	0	NA	NA	1,730	--
1980	4,950	1	31	0	201	232	2,041	82,982	--	0	NA	NA	859	--
1985	5,192	(s)	17	0	0	17	8,038	76,923	--	0	0	0	904	--
1990	4,852	(s)	30	0	1	31	5,742	87,193	--	0	0	0	243	--
1995	3,857	40	234	0	0	234	6,942	82,220	--	0	0	0	-765	--
2000	6,355	74	782	(s)	0	783	8,605	80,161	--	0	0	0	-1,133	--
2005	6,996	66	21	0	0	21	8,242	72,023	--	0	0	498	-3,005	--
2006	4,125	59	39	0	0	39	9,328	81,944	--	0	0	1,038	-8,657	--
2007	5,681	57	27	0	0	27	8,109	78,781	--	0	0	2,438	-3,259	--
2008	5,763	75	45	0	0	45	9,270	77,589	--	0	0	3,657	-7,273	--
2009	4,974	91	71	0	0	71	6,634	72,886	--	0	0	3,572	-6,178	--
2010	5,727	80	37	0	0	37	9,241	68,233	--	0	0	4,745	-6,953	--
2011	3,425	39	31	0	0	31	4,806	91,815	--	0	1	6,262	-6,761	--
2012	2,502	43	27	0	0	27	9,334	89,463	--	0	1	6,600	-6,173	--
2013	4,429	88	25	0	0	25	8,461	78,155	--	0	1	7,004	-6,332	--
2014	4,475	85	29	0	0	29	9,497	79,463	--	0	1	7,268	-7,539	--
2015	3,405	97	21	0	0	21	8,161	73,405	--	0	1	7,075	-3,310	--
2016	3,075	82	24	0	0	24	9,626	78,346	--	0	1	8,042	-778	--
2017	3,623	81	28	0	0	28	8,128	82,183	--	0	(s)	6,925	-1,069	--
2018	3,628	77	26	0	0	26	9,708	80,883	--	0	2	7,900	-4,012	--
2019	4,804	106	23	0	0	23	8,866	66,018	--	0	44	6,677	-3,881	--
2020	3,476	95	23	0	0	23	9,427	76,410	--	0	46	9,266	4,951	--
2021	2,120	112	22	0	0	22	8,511	71,379	--	0	50	9,298	3,920	--
2022	2,405	97	46	0	0	46	9,852	78,916	--	0	83	8,061	3,668	--

Trillion Btu

1960	0.0	0.0	(s)	0.0	0.1	0.1	0.0	R 116.5	(s)	0.0	NA	NA	-0.2	R 116.5
1965	0.0	0.0	(s)	0.0	(s)	(s)	0.0	R 167.5	0.0	0.0	NA	NA	-1.6	R 165.9
1970	0.0	0.0	(s)	0.0	(s)	(s)	28.7	R 236.8	(s)	0.0	NA	NA	2.1	R 267.6
1975	64.9	0.0	(s)	0.0	0.4	0.5	36.4	R 285.0	0.0	0.0	NA	NA	5.9	R 392.7
1980	80.2	1.0	0.2	0.0	1.3	1.4	22.3	R 283.1	0.0	0.0	NA	NA	2.9	R 390.9
1985	84.1	0.1	0.1	0.0	0.0	0.1	85.4	R 262.5	2.9	0.0	0.0	0.0	3.1	R 438.2
1990	78.9	0.2	0.2	0.0	(s)	0.2	60.8	R 297.5	3.7	0.0	0.0	0.0	0.8	R 442.1
1995	63.8	41.4	1.4	0.0	0.0	1.4	72.9	R 280.5	6.0	0.0	0.0	0.0	-2.6	R 463.4
2000	102.9	76.3	4.6	(s)	0.0	4.6	89.7	R 273.5	9.8	0.0	0.0	0.0	-3.9	R 553.0
2005	110.8	67.3	0.1	0.0	0.0	0.1	86.0	R 245.7	11.2	0.0	0.0	R 1.7	-10.3	R 512.6
2006	67.1	60.3	0.2	0.0	0.0	0.2	97.3	R 279.6	10.9	0.0	0.0	R 3.5	-29.5	R 489.5
2007	92.5	58.6	0.2	0.0	0.0	0.2	85.1	R 268.8	11.2	0.0	0.0	R 8.3	-11.1	R 513.6
2008	91.7	76.8	0.3	0.0	0.0	0.3	96.9	R 264.7	7.7	0.0	0.0	R 12.5	-24.8	R 525.7
2009	80.5	94.0	0.4	0.0	0.0	0.4	69.4	R 248.7	7.8	0.0	0.0	R 12.2	-21.1	R 491.9
2010	92.2	81.9	0.2	0.0	0.0	0.2	96.6	R 232.8	10.3	0.0	0.0	R 16.2	-23.7	R 506.5
2011	55.1	40.4	0.2	0.0	0.0	0.2	50.3	R 313.3	9.2	0.0	(s)	R 21.4	-23.1	R 466.7
2012	40.6	44.2	0.2	0.0	0.0	0.2	97.8	R 305.2	6.3	0.0	(s)	R 22.5	-21.1	R 495.8
2013	72.9	89.6	0.1	0.0	0.0	0.1	88.4	R 266.7	7.7	0.0	(s)	R 23.9	-21.6	R 527.7
2014	73.8	88.2	0.2	0.0	0.0	0.2	99.3	R 271.1	7.8	0.0	(s)	R 24.8	-25.7	R 539.5
2015	56.4	103.5	0.1	0.0	0.0	0.1	85.3	R 250.5	8.3	0.0	(s)	R 24.1	-11.3	R 516.9
2016	51.4	87.9	0.1	0.0	0.0	0.1	100.7	R 267.3	8.4	0.0	(s)	R 27.4	-2.7	R 540.7
2017	60.3	87.1	0.2	0.0	0.0	0.2	85.0	R 280.4	8.3	0.0	(s)	R 23.6	-3.6	R 541.2
2018	59.8	83.3	0.1	0.0	0.0	0.1	101.5	R 276.0	7.8	0.0	(s)	R 27.0	-13.7	R 541.7
2019	79.4	115.2	0.1	0.0	0.0	0.1	92.6	R 225.3	6.1	0.0	R 0.1	R 22.8	-13.2	R 528.3
2020	57.9	102.7	0.1	0.0	0.0	0.1	98.5	R 260.7	5.7	0.0	R 0.2	R 31.6	16.9	R 574.3
2021	35.5	121.8	0.1	0.0	0.0	0.1	R 88.8	R 243.5	6.1	0.0	R 0.2	R 31.7	13.4	R 541.1
2022	40.8	104.8	0.3	0.0	0.0	0.3	102.7	269.3	6.1	0.0	0.3	27.5	12.5	564.2

^a Includes supplemental gaseous fuels that are commingled with natural gas.

^b Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.

^c Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.

^d Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

^e Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

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

^g Solar thermal and photovoltaic energy.

^h Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

ⁱ 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 the total.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. The continuity of these data series estimates may be affected by the 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/>