

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, Virginia

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 ^{f,i}
			Distillate fuel oil ^b	Petroleum coke	Residual fuel oil ^c	Total								
			Thousand barrels											
1960	6,262	1	6	0	130	136	0	1,189	--	0	NA	NA	0	--
1965	8,265	2	7	0	170	178	0	797	--	0	NA	NA	0	--
1970	6,644	4	721	856	17,085	18,662	0	650	--	0	NA	NA	0	--
1975	3,991	(s)	624	0	26,741	27,364	8,970	1,273	0	NA	NA	NA	0	--
1980	5,560	2	793	0	14,586	15,379	11,466	864	--	0	NA	NA	0	--
1985	7,166	2	340	0	1,301	1,641	22,303	818	--	0	0	0	0	--
1990	9,083	10	553	0	1,421	1,973	23,820	1,309	--	0	(s)	0	0	--
1995	11,248	45	683	0	1,577	2,260	25,135	981	--	0	(s)	0	0	--
2000	16,098	37	966	0	3,373	4,339	28,321	699	--	0	0	0	0	--
2005	14,920	67	1,405	0	5,456	6,862	27,918	1,471	--	0	0	0	0	--
2006	14,194	60	460	0	851	1,312	27,594	1,345	--	0	0	0	0	--
2007	14,913	91	1,115	0	2,166	3,281	27,268	1,242	--	0	0	0	0	--
2008	13,368	77	755	0	1,223	1,978	27,931	1,002	--	0	0	0	0	--
2009	10,803	95	998	0	746	1,744	28,212	1,468	--	0	0	0	0	--
2010	10,958	140	935	0	1,225	2,160	26,572	1,488	--	0	0	0	0	--
2011	8,799	142	468	0	369	837	25,548	1,199	--	0	0	0	0	--
2012	6,497	190	353	0	247	600	28,723	1,032	--	0	0	0	0	--
2013	9,869	172	344	0	177	521	29,326	1,248	--	0	0	0	0	--
2014	9,513	159	1,521	0	582	2,103	30,221	945	--	0	0	0	0	--
2015	7,961	243	1,003	0	900	1,902	28,060	1,146	--	0	0	0	0	--
2016	7,828	295	588	0	388	976	29,732	1,463	--	0	21	0	0	--
2017	5,275	311	607	0	209	816	30,554	1,116	--	0	313	0	28	--
2018	4,939	357	1,168	0	415	1,584	29,252	1,765	--	0	763	0	30	--
2019	1,973	409	263	0	140	403	29,498	1,519	--	0	947	0	0	--
2020	1,814	450	269	0	100	369	30,140	2,030	--	0	1,369	0	0	--
2021	1,482	382	475	0	55	531	28,572	1,305	--	0	3,266	50	0	--
2022	1,652	348	1,073	0	33	1,106	28,197	1,137	--	0	4,624	51	0	--

Trillion Btu

1960	167.4	1.5	(s)	0.0	0.8	0.9	0.0	R 4.1	0.0	0.0	NA	NA	0.0	R 173.8
1965	218.8	2.3	(s)	0.0	1.1	1.1	0.0	R 2.7	0.0	0.0	NA	NA	0.0	R 225.0
1970	164.6	4.4	4.2	5.2	107.4	116.8	0.0	R 2.2	0.0	0.0	NA	NA	0.0	R 288.0
1975	95.5	0.5	3.6	0.0	168.1	171.8	98.8	R 4.3	0.0	0.0	NA	NA	0.0	R 370.9
1980	139.1	2.5	4.6	0.0	91.7	96.3	125.1	R 2.9	0.0	0.0	NA	NA	0.0	R 365.9
1985	183.6	1.6	2.0	0.0	8.2	10.2	236.9	R 2.8	0.0	0.0	0.0	0.0	0.0	R 435.1
1990	231.3	10.1	3.2	0.0	8.9	12.2	252.1	R 4.5	6.6	0.0	(s)	0.0	0.0	R 516.6
1995	287.3	46.4	4.0	0.0	9.9	13.9	264.1	R 3.3	12.9	0.0	(s)	0.0	0.0	R 627.9
2000	413.3	38.1	5.6	0.0	21.2	26.8	295.4	R 2.4	5.7	0.0	0.0	0.0	0.0	R 781.6
2005	368.6	69.1	8.2	0.0	34.3	42.5	291.4	R 5.0	13.8	0.0	0.0	0.0	0.0	R 790.2
2006	352.4	62.1	2.7	0.0	5.4	8.0	287.9	R 4.6	12.5	0.0	0.0	0.0	0.0	R 727.5
2007	373.7	93.3	6.4	0.0	13.6	20.1	286.0	R 4.2	13.1	0.0	0.0	0.0	0.0	R 790.4
2008	331.3	80.1	4.4	0.0	7.7	12.1	291.9	R 3.4	16.2	0.0	0.0	0.0	0.0	R 735.0
2009	268.0	98.4	5.8	0.0	4.4	10.5	295.1	R 5.0	15.7	0.0	0.0	0.0	0.0	R 692.5
2010	271.2	144.3	5.4	0.0	7.7	13.1	277.7	R 5.1	16.3	0.0	0.0	0.0	0.0	R 727.6
2011	215.6	146.3	2.7	0.0	2.3	5.0	267.3	R 4.1	15.9	0.0	0.0	0.0	0.0	R 654.3
2012	153.4	196.1	2.0	0.0	1.6	3.6	301.0	R 3.5	17.2	0.0	0.0	0.0	0.0	R 674.7
2013	224.5	177.6	2.0	0.0	1.1	3.1	306.4	R 4.3	22.1	0.0	0.0	0.0	0.0	R 737.9
2014	218.0	165.5	8.8	0.0	3.7	12.4	316.1	R 3.2	33.0	0.0	0.0	0.0	0.0	R 748.1
2015	183.6	256.9	5.8	0.0	5.7	11.4	293.5	R 3.9	33.6	0.0	0.0	0.0	0.0	R 782.7
2016	176.4	310.8	3.4	0.0	2.4	5.8	311.0	R 5.0	33.6	0.0	R 0.1	0.0	0.0	R 842.6
2017	115.8	327.4	3.5	0.0	1.3	4.8	319.6	R 3.8	28.4	0.0	R 1.1	0.0	0.1	R 800.9
2018	105.6	374.0	6.7	0.0	2.6	9.3	305.8	R 6.0	35.7	0.0	R 2.6	0.0	0.1	R 839.2
2019	42.5	428.6	1.5	0.0	0.9	2.4	308.0	R 5.2	31.2	0.0	R 3.2	0.0	0.0	R 821.0
2020	39.9	469.0	1.5	0.0	0.6	2.2	314.8	R 6.9	27.9	0.0	R 4.7	0.0	0.0	R 865.4
2021	31.8	398.4	2.7	0.0	0.3	3.1	R 298.0	R 4.5	33.1	0.0	R 11.1	R 0.2	0.0	R 780.1
2022	33.8	363.2	6.2	0.0	0.2	6.4	294.1	3.9	29.9	0.0	15.8	0.2	0.0	747.1

^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/>