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

			Petroleum												
Year	Coal	Natural gas [a]	Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Motor gasoline [e]	Residual fuel oil	Other [f]	Total	Nuclear electric power	Hydro-electric power [g]	Wind	Fuel ethanol [h]	Biodiesel
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatthours			Thousand barrels	
1960	374	25	2,941	1,370	1,145	8,561	102	1,999	16,118	0	1,156	0	NA	NA
1965	310	27	3,766	1,541	1,111	8,955	71	1,437	16,881	0	3,872	0	NA	NA
1970	338	36	4,375	2,712	1,173	9,903	328	1,175	19,666	0	6,579	0	NA	NA
1971	335	32	4,610	2,675	1,207	10,244	211	1,221	20,168	0	7,778	0	NA	NA
1972	312	34	4,536	3,149	1,138	10,771	343	1,290	21,226	0	7,432	0	NA	NA
1973	385	31	4,243	2,922	1,071	10,989	234	1,518	20,977	0	4,837	0	NA	NA
1974	446	32	3,691	2,780	1,102	10,702	133	1,143	19,550	0	5,661	0	NA	NA
1975	1,888	33	3,841	2,930	1,056	10,636	218	1,104	19,784	0	7,927	0	NA	NA
1976	2,838	39	3,334	3,027	1,011	10,944	307	1,217	19,840	0	7,052	0	NA	NA
1977	2,732	36	3,013	3,773	1,083	11,298	284	974	20,425	0	5,294	0	NA	NA
1978	3,004	35	3,718	3,192	1,334	11,417	283	1,233	21,177	0	6,831	0	NA	NA
1979	2,771	26	6,359	2,453	1,326	10,772	221	1,089	22,219	0	6,359	0	NA	NA
1980	2,827	24	4,801	2,530	1,311	9,688	122	909	19,362	0	5,818	0	NA	NA
1981	2,759	22	4,414	1,779	1,136	9,192	158	808	17,487	0	5,306	0	19	NA
1982	2,746	25	5,076	2,231	1,138	9,060	51	922	18,477	0	5,426	0	33	NA
1983	2,409	23	4,473	2,245	956	8,952	136	813	17,574	0	5,526	0	74	NA
1984	2,719	25	5,106	1,019	1,024	8,885	91	1,079	17,204	0	5,722	0	93	NA
1985	2,703	25	5,154	1,241	1,019	9,279	36	1,114	17,843	0	5,333	0	98	NA
1986	2,281	23	6,239	1,567	516	9,004	60	1,077	18,463	0	5,736	0	138	NA
1987	1,101	21	6,326	2,358	669	9,016	55	934	19,359	0	5,386	0	144	NA
1988	2,591	24	6,450	1,579	875	9,175	85	1,141	19,304	0	5,286	0	141	NA
1989	2,541	26	5,889	3,623	1,024	9,126	66	1,038	20,765	0	4,583	0	163	NA
1990	2,571	25	5,939	3,691	1,097	8,986	60	1,054	20,828	0	3,934	0	142	NA
1991	2,863	26	5,827	1,794	367	9,119	67	1,001	18,175	0	3,828	0	325	NA
1992	2,670	27	5,495	1,930	1,272	9,345	143	1,125	19,310	0	3,612	0	424	NA
1993	2,696	31	6,134	2,591	1,190	9,565	115	876	20,472	0	2,591	0	471	NA
1994	3,036	31	6,516	2,298	1,305	9,839	87	862	20,908	0	5,129	0	540	NA
1995	2,537	34	6,255	2,294	1,463	10,007	14	1,050	21,082	0	6,010	0	506	NA
1996	1,852	37	6,537	2,908	1,014	10,148	40	1,361	22,008	0	7,978	0	357	NA
1997	2,442	36	6,129	2,627	697	10,165	64	1,582	21,264	0	9,012	0	399	NA
1998	2,316	33	5,874	2,151	819	10,440	101	1,512	20,897	0	5,758	0	458	NA
1999	2,649	36	6,080	1,988	770	10,337	88	2,123	21,385	0	6,677	0	509	NA
2000	2,815	38	6,036	2,597	1,024	10,304	133	1,964	22,057	0	5,716	0	555	NA
2001	2,599	37	6,317	2,071	967	10,204	106	1,285	20,951	0	3,432	1	522	2
2002	2,358	42	6,792	3,022	919	10,599	104	1,242	22,677	0	4,354	6	591	3
2003	2,543	44	6,268	2,618	769	10,307	46	1,528	21,535	0	4,276	44	585	2
2004	2,574	42	6,555	2,441	776	10,389	93	1,367	21,621	0	3,598	158	553	5
2005	2,158	43	6,850	2,201	996	10,273	62	2,010	22,393	0	3,075	158	673	16
2006	2,340	41	6,844	2,171	945	10,217	29	1,863	22,069	0	3,397	149	631	45
2007	1,964	54	7,791	2,409	880	10,330	35	1,244	22,688	0	2,917	150	827	61
2008	2,562	65	7,215	2,679	659	10,075	45	1,357	22,029	0	2,993	145	954	52
2009	2,238	66	7,252	2,732	707	10,768	23	1,200	22,682	0	4,432	421	981	55
2010	2,333	73	7,514	2,036	771	10,577	2	1,423	22,323	0	5,239	1,372	1,122	45
2011	1,956	74	7,999	1,806	651	10,608	39	954	22,058	0	6,608	2,668	1,059	152
2012	2,155	70	8,006	1,625	791	10,931	(s)	1,369	22,722	0	5,981	2,354	1,088	149
2013	2,053	82	7,951	1,964	720	10,749	2	884	22,270	0	4,063	2,688	1,095	236
2014	1,995	81	7,901	1,883	984	10,973	4	870	22,615	0	5,498	2,336	1,114	213
2015	1,187	79	7,992	1,638	928	11,390	5	891	22,844	0	4,850	2,498	1,187	191
2016	1,615	81	7,642	1,818	836	11,553	8	R 745	R 22,603	0	4,806	3,714	1,197	270
2017	1,579	81	7,527	1,748	825	11,415	9	R 898	R 22,422	0	5,256	2,958	1,188	225
2018	1,674	89	8,017	1,983	666	11,404	8	R 859	R 22,937	0	6,266	2,835	1,177	213
2019	1,908	90	8,061	2,335	720	11,058	9	R 947	R 23,131	0	7,915	2,789	1,162	R 170
2020	1,322	85	9,157	1,915	668	10,703	10	R 1,093	R 23,545	0	5,831	5,544	1,131	259
2021	1,312	90	R 8,000	1,939	712	11,748	9	R 1,206	R 23,615	0	4,983	9,327	1,231	192
2022	1,511	96	7,997	1,902	748	11,531	9	1,193	23,380	0	4,259	10,295	1,222	192

[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/

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, South Dakota

(trillion Btu)

Year	Fossil fuels										*Fossil fuels (as commingled)*		
			Petroleum										
	Coal	Natural gas excluding supplemental gaseous fuels [a]	Distillate fuel oil excluding biofuels [a]	HGL [b]	Jet fuel [c]	Motor gasoline excluding fuel ethanol [a]	Residual fuel oil	Other [d]	Total	Total	*Natural gas including supplemental gaseous fuels* [a]	*Distillate fuel oil including biofuels* [a]	*Motor gasoline including fuel ethanol* [a]
1960	6.7	25.4	17.1	5.3	6.1	45.0	0.6	12.0	86.2	118.3	*25.4*	*17.1*	*45.0*
1965	5.7	26.9	21.9	5.9	6.0	47.0	0.4	8.7	90.0	122.5	*26.9*	*21.9*	*47.0*
1970	5.7	36.5	25.5	10.4	6.3	52.0	2.1	7.5	103.8	145.9	*36.5*	*25.5*	*52.0*
1971	5.8	32.0	26.9	10.2	6.5	53.8	1.3	7.9	106.6	144.4	*32.0*	*26.9*	*53.8*
1972	5.3	34.2	26.4	12.0	6.1	56.6	2.2	8.3	111.6	151.1	*34.2*	*26.4*	*56.6*
1973	6.3	31.3	24.7	11.1	5.8	57.7	1.5	9.8	110.6	148.3	*31.3*	*24.7*	*57.7*
1974	7.4	32.0	21.5	10.5	6.0	56.2	0.8	7.3	102.4	141.8	*32.0*	*21.5*	*56.2*
1975	24.3	32.5	22.4	11.1	5.7	55.9	1.4	7.1	103.5	160.3	*32.5*	*22.4*	*55.9*
1976	37.1	39.2	19.4	11.4	5.5	57.5	1.9	7.6	103.4	179.6	*39.2*	*19.4*	*57.5*
1977	35.6	36.1	17.6	14.0	5.9	59.3	1.8	6.1	104.6	176.3	*36.1*	*17.6*	*59.3*
1978	38.6	35.4	21.7	12.0	7.2	60.0	1.8	7.8	110.4	184.3	*35.4*	*21.7*	*60.0*
1979	35.5	25.6	37.0	9.1	7.2	56.6	1.4	7.0	118.2	179.3	*25.6*	*37.0*	*56.6*
1980	36.6	24.0	28.0	9.4	7.1	50.9	0.8	5.8	101.9	162.5	*24.0*	*28.0*	*50.9*
1981	36.2	22.1	25.7	6.6	6.1	48.3	1.0	5.1	92.8	151.1	*22.1*	*25.7*	*48.3*
1982	37.0	25.0	29.6	8.1	6.1	47.6	0.3	5.8	97.6	159.6	*25.1*	*29.6*	*47.6*
1983	30.7	23.6	26.1	8.3	5.2	47.0	0.9	5.1	92.5	146.8	*23.6*	*26.1*	*47.0*
1984	34.4	24.9	29.7	3.8	5.5	46.7	0.6	6.9	93.2	152.5	*24.9*	*29.7*	*46.7*
1985	34.5	25.5	30.0	4.6	5.5	48.7	0.2	7.1	96.2	156.2	*25.5*	*30.0*	*48.7*
1986	29.2	23.4	36.3	5.8	2.8	47.3	0.4	6.9	99.6	152.2	*23.4*	*36.3*	*47.3*
1987	14.6	21.4	36.9	8.8	3.6	47.4	0.3	6.0	103.0	138.9	*21.4*	*36.9*	*47.4*
1988	33.8	24.7	37.6	5.9	4.7	48.2	0.5	7.3	104.3	162.8	*24.7*	*37.6*	*48.2*
1989	34.3	25.9	34.3	13.3	5.5	47.9	0.4	6.6	108.2	168.4	*25.9*	*34.3*	*47.9*
1990	34.9	25.4	34.6	13.5	5.9	47.2	0.4	6.7	108.4	168.7	*25.5*	*34.6*	*47.2*
1991	38.7	26.7	33.9	6.7	2.0	47.9	0.4	6.4	97.4	162.8	*26.7*	*33.9*	*47.9*
1992	36.0	27.0	32.0	7.1	6.9	49.1	0.9	7.3	103.3	166.3	*27.0*	*32.0*	*49.1*
1993	36.4	31.7	35.7	9.5	6.4	48.3	0.7	5.6	106.3	174.4	*31.7*	*35.7*	*49.9*
1994	41.4	31.2	37.9	8.6	7.1	49.4	0.5	5.5	109.0	181.6	*31.3*	*37.9*	*51.3*
1995	37.4	34.7	36.4	8.6	7.9	50.3	0.1	6.8	110.1	182.3	*34.8*	*36.4*	*52.1*
1996	33.5	37.3	38.0	10.9	5.7	51.6	0.3	8.8	115.4	186.2	*37.4*	*38.0*	*52.9*
1997	42.9	36.8	35.7	9.9	4.0	51.5	0.4	10.3	111.7	191.5	*36.8*	*35.7*	*52.9*
1998	41.0	33.4	34.2	8.1	4.6	52.7	0.6	9.9	110.1	184.5	*33.4*	*34.2*	*54.3*
1999	46.3	36.0	35.4	7.5	4.4	52.0	0.6	13.9	113.7	196.0	*36.0*	*35.4*	*53.8*
2000	50.6	38.1	35.1	9.7	5.8	51.7	0.8	12.8	116.0	204.7	*38.1*	*35.1*	*53.6*
2001	44.4	37.0	36.8	7.8	5.5	51.3	0.7	8.3	110.3	191.7	*37.0*	*36.8*	*53.1*
2002	40.0	41.5	39.5	11.1	5.2	53.1	0.7	8.1	117.7	199.2	*41.5*	*39.5*	*55.1*
2003	43.0	43.9	36.5	9.8	4.4	51.5	0.3	10.0	112.4	199.3	*43.9*	*36.5*	*53.6*
2004	43.6	41.8	38.1	9.0	4.4	52.1	0.6	8.9	113.1	198.4	*41.8*	*38.1*	*54.0*
2005	37.0	42.8	39.9	8.1	5.6	51.0	0.4	13.2	118.2	198.0	*42.9*	*39.9*	*53.3*
2006	39.6	40.9	39.7	8.0	5.4	50.8	0.2	12.2	116.2	196.7	*40.9*	*39.7*	*53.0*
2007	33.3	54.1	45.1	8.9	5.0	50.2	0.2	8.1	117.5	204.8	*54.1*	*45.1*	*53.1*
2008	43.1	65.5	41.7	10.0	3.7	48.1	0.3	8.9	112.7	221.3	*65.5*	*41.7*	*51.4*
2009	37.5	66.3	41.6	10.1	4.0	51.4	0.1	7.9	115.1	218.9	*66.3*	*41.9*	*54.8*
2010	39.1	72.9	43.2	7.8	4.4	49.7	(s)	9.3	114.4	226.4	*72.9*	*43.4*	*53.6*
2011	32.1	74.0	45.6	6.9	3.7	50.0	0.2	6.2	112.7	218.8	*74.0*	*46.2*	*53.7*
2012	35.6	71.5	45.5	6.2	4.5	51.6	(s)	8.9	116.7	223.8	*71.5*	*46.2*	*55.3*
2013	34.2	84.5	44.7	7.5	4.1	50.6	(s)	5.7	112.7	231.4	*84.5*	*45.8*	*54.4*
2014	33.1	83.9	44.4	7.2	5.6	51.6	(s)	5.6	114.5	231.5	*83.9*	*45.5*	*55.5*
2015	19.6	83.4	44.9	6.3	5.3	53.5	(s)	5.8	115.7	218.7	*83.4*	*46.1*	*57.6*
2016	26.7	85.0	42.5	7.0	4.7	54.2	(s)	4.8	113.3	225.0	*85.0*	*44.0*	*58.4*
2017	26.1	85.3	41.9	6.7	4.7	53.5	0.1	5.8	112.7	R 224.2	*85.3*	*43.3*	*57.7*
2018	27.6	95.5	44.8	7.6	3.8	53.5	0.1	R 5.6	R 115.4	238.5	*95.5*	*46.2*	*57.6*
2019	31.4	97.4	45.1	9.0	4.1	51.8	0.1	R 6.2	116.2	R 245.1	*97.4*	*46.4*	*55.9*
2020	21.7	91.2	51.3	7.4	3.8	50.1	0.1	7.1	R 119.8	R 232.7	*91.2*	*52.7*	*54.1*
2021	21.6	96.8	R 45.5	7.4	4.0	55.0	0.1	7.7	R 119.3	R 237.6	*96.8*	R *46.1*	*59.3*
2022	24.8	103.2	45.5	7.3	4.2	54.0	0.1	7.6	118.1	246.1	*103.2*	*46.1*	*58.2*

[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, South Dakota (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 [f,j]	Wind	Total [f]			
			Wood and waste [f,g]	Fuel ethanol [h]	Biodiesel	Renewable diesel	Losses and co-products [i]	Total [f]							
1960	0.0	R 3.9	1.5	NA	NA	NA	NA	1.5	0.0	NA	NA	R 5.5	R 2.6	0.0	R 126.3
1965	0.0	R 13.2	1.1	NA	NA	NA	NA	1.1	0.0	NA	NA	R 14.3	R (s)	0.0	R 136.8
1970	0.0	R 22.4	1.1	NA	NA	NA	NA	1.1	0.0	NA	NA	R 23.6	R -4.5	0.0	R 165.0
1971	0.0	R 26.5	1.1	NA	NA	NA	NA	1.1	0.0	NA	NA	R 27.6	R -5.8	0.0	R 166.1
1972	0.0	R 25.4	1.2	NA	NA	NA	NA	1.2	0.0	NA	NA	R 26.6	R -2.6	0.0	R 175.1
1973	0.0	R 16.5	1.3	NA	NA	NA	NA	1.3	0.0	NA	NA	R 17.8	R 6.8	0.0	R 172.8
1974	0.0	R 19.3	1.3	NA	NA	NA	NA	1.3	0.0	NA	NA	R 20.6	R 5.7	0.0	R 168.0
1975	0.0	R 27.0	1.5	NA	NA	NA	NA	1.5	0.0	NA	NA	R 28.5	R -12.1	0.0	R 176.8
1976	0.0	R 24.1	1.7	NA	NA	NA	NA	1.7	0.0	NA	NA	R 25.7	R -14.8	0.0	R 190.5
1977	0.0	R 18.1	1.9	NA	NA	NA	NA	1.9	0.0	NA	NA	R 20.0	R -3.3	0.0	R 193.0
1978	0.0	R 23.3	2.0	NA	NA	NA	NA	2.0	0.0	NA	NA	R 25.3	R -8.9	0.0	R 200.8
1979	0.0	R 21.7	2.0	NA	NA	NA	NA	2.0	0.0	NA	NA	R 23.7	R -3.1	0.0	R 199.9
1980	0.0	R 19.9	3.3	NA	NA	NA	NA	3.3	0.0	NA	NA	R 23.2	R (s)	0.0	R 185.7
1981	0.0	R 18.1	3.1	0.1	NA	NA	0.0	3.2	0.0	NA	NA	R 21.3	R 1.8	0.0	R 174.2
1982	0.0	R 18.5	3.5	0.1	NA	NA	0.0	3.7	0.0	NA	NA	R 22.2	R 3.8	0.0	R 185.6
1983	0.0	R 18.9	3.4	0.3	NA	NA	0.0	3.7	0.0	NA	0.0	R 22.6	R 9.9	0.0	R 179.2
1984	0.0	R 19.5	4.0	0.3	NA	NA	0.0	4.4	0.0	0.0	0.0	R 23.9	R 6.5	0.0	R 182.9
1985	0.0	R 18.2	4.1	0.3	NA	NA	0.0	4.5	0.0	0.0	0.0	R 22.7	R 10.7	0.0	R 189.6
1986	0.0	R 19.6	4.1	0.5	NA	NA	0.0	4.6	0.0	0.0	0.0	R 24.1	R 13.4	0.0	R 189.7
1987	0.0	R 18.4	3.6	0.5	NA	NA	0.0	4.1	0.0	0.0	0.0	R 22.5	R 29.4	0.0	R 190.7
1988	0.0	R 18.0	3.8	0.5	NA	NA	0.5	4.8	0.0	0.0	0.0	R 22.8	R 15.7	0.0	R 201.3
1989	0.0	R 15.6	3.3	0.6	NA	NA	0.5	4.4	0.1	(s)	0.0	R 20.1	R 21.0	0.0	R 209.5
1990	0.0	R 13.4	2.2	0.5	NA	NA	0.5	3.2	0.2	(s)	0.0	R 16.8	R 6.9	0.0	R 192.4
1991	0.0	R 13.1	2.3	1.1	NA	NA	0.5	3.9	0.2	(s)	0.0	R 17.2	R 9.5	0.0	R 189.4
1992	0.0	R 12.3	2.4	1.5	NA	NA	0.5	4.4	0.2	(s)	0.0	R 16.9	R 11.1	0.0	R 194.3
1993	0.0	R 8.8	2.1	1.6	NA	NA	0.5	4.3	0.2	(s)	0.0	R 13.3	R 26.6	0.0	R 214.3
1994	0.0	R 17.5	2.1	1.9	NA	NA	0.8	4.8	0.2	(s)	0.0	R 22.5	0.6	0.0	R 204.7
1995	0.0	R 20.5	2.1	1.8	NA	NA	0.8	4.7	0.2	(s)	0.0	R 25.4	R -3.1	0.0	R 204.6
1996	0.0	R 27.2	2.2	1.2	NA	NA	0.8	4.2	0.3	(s)	0.0	R 31.7	R -8.3	0.0	R 209.7
1997	0.0	R 30.7	1.9	1.4	NA	NA	0.7	4.0	0.3	(s)	0.0	R 35.0	R -22.5	0.3	R 204.3
1998	0.0	R 19.6	1.6	1.6	NA	NA	0.9	4.1	0.4	(s)	0.0	R 24.2	R -2.2	-0.1	R 206.4
1999	0.0	R 22.8	1.7	1.8	NA	NA	0.9	4.4	0.4	(s)	0.0	R 27.6	R -12.3	0.8	R 212.1
2000	0.0	R 19.5	1.8	1.9	NA	NA	1.0	4.7	0.4	(s)	0.0	R 24.6	R -3.0	(s)	R 226.4
2001	0.0	R 11.7	1.8	1.8	(s)	NA	1.5	5.1	0.5	(s)	(s)	R 17.3	R 22.5	(s)	R 231.5
2002	0.0	R 14.9	1.7	2.1	(s)	NA	3.7	7.4	0.5	(s)	R (s)	R 22.8	R 22.7	(s)	R 244.6
2003	0.0	R 14.6	1.8	2.0	(s)	NA	9.0	12.8	0.6	(s)	R 0.2	R 28.2	R 22.2	0.0	R 249.7
2004	0.0	R 12.3	1.8	1.9	(s)	NA	18.2	21.9	0.7	(s)	R 0.5	R 35.5	R 29.0	(s)	R 262.9
2005	0.0	R 10.5	1.5	2.3	0.1	NA	24.4	28.4	0.8	(s)	R 0.5	R 40.2	R 45.2	(s)	R 283.4
2006	0.0	R 11.6	1.4	2.2	0.2	NA	31.6	35.5	0.9	(s)	R 0.5	R 48.4	R 41.5	0.0	R 286.6
2007	0.0	R 10.0	1.5	2.9	0.3	NA	33.6	38.3	0.9	(s)	R 0.5	R 49.7	R 54.2	(s)	R 308.8
2008	0.0	R 10.2	1.7	3.3	0.3	NA	44.4	49.6	1.5	(s)	R 0.5	R 61.8	R 47.9	0.0	R 331.0
2009	0.0	R 15.1	2.1	3.4	0.3	NA	51.3	57.2	1.6	(s)	R 1.4	R 75.3	R 36.3	(s)	R 330.5
2010	0.0	R 17.9	2.3	3.9	0.2	NA	56.3	62.7	1.7	(s)	R 4.7	R 87.0	R 21.1	0.0	R 334.5
2011	0.0	R 22.5	2.6	3.7	0.8	0.0	55.1	62.3	2.0	(s)	R 9.1	R 95.9	R 4.6	(s)	R 319.3
2012	0.0	R 20.4	2.3	3.8	0.8	0.0	52.7	59.6	1.9	(s)	R 8.0	R 89.9	R 10.4	0.0	R 324.1
2013	0.0	R 13.9	2.8	3.8	1.3	0.0	54.8	62.7	1.9	(s)	R 9.2	R 87.6	R 28.1	0.0	R 347.2
2014	0.0	R 18.8	2.8	3.9	1.1	0.0	55.9	63.8	1.9	(s)	R 8.0	R 92.4	R 20.6	0.0	R 344.5
2015	0.0	R 16.5	3.0	4.1	1.0	0.0	59.6	67.7	1.9	(s)	R 8.5	R 94.7	R 30.8	0.0	R 344.1
2016	0.0	R 16.4	2.7	4.2	1.4	0.0	60.2	68.5	1.9	(s)	R 12.7	R 99.5	R 12.8	0.0	R 337.2
2017	0.0	R 17.9	2.7	4.1	1.2	0.0	62.8	70.7	1.9	(s)	R 10.1	R 100.7	R 19.4	0.0	R 344.2
2018	0.0	R 21.4	3.8	4.1	1.1	0.0	64.5	73.5	1.9	(s)	R 9.7	R 106.4	R 8.8	0.0	R 353.8
2019	0.0	R 27.0	3.3	4.0	0.9	0.0	63.8	72.1	1.9	(s)	R 9.5	R 110.5	R -4.8	0.0	R 350.8
2020	0.0	R 19.9	R 2.8	3.9	1.4	0.0	61.0	R 69.1	1.9	(s)	R 18.9	R 109.8	R -3.7	0.0	R 338.8
2021	0.0	R 17.0	R 3.0	4.3	1.0	0.0	68.3	R 76.6	1.9	(s)	R 31.8	R 127.3	R -16.9	0.0	R 348.0
2022	0.0	14.5	3.9	4.3	1.0	0.0	69.3	78.5	1.9	(s)	35.1	130.0	-17.8	0.0	358.4

[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 kilowatthours by 3,412 Btu per kilowatthour.

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, South Dakota

Year	Coal	Natural gas [a]	Petroleum							Hydro-electric power [g,h]	Biomass		Geo-thermal [h]	Solar [h,k]	Electricity [l]	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]						
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatt-hours					Million kilowatt-hours			
1960	128	20	2,934	1,370	1,145	8,561	61	1,999	16,071	20	– –	– –	– –	– –	1,514	– –	– –	– –
1970	37	32	4,327	2,712	1,173	9,903	57	1,175	19,348	35	– –	– –	– –	– –	2,803	– –	– –	– –
1980	144	24	4,743	2,530	1,311	9,688	114	909	19,295	32	– –	– –	– –	– –	5,084	– –	– –	– –
1990	226	25	5,907	3,691	1,097	8,986	60	1,054	20,795	0	– –	– –	– –	– –	6,334	– –	– –	– –
2000	604	34	5,900	2,597	1,024	10,304	133	1,964	21,921	0	– –	– –	– –	– –	8,283	– –	– –	– –
2005	278	39	6,798	2,201	996	10,273	62	2,010	22,341	0	– –	– –	– –	– –	9,811	– –	– –	– –
2006	276	37	6,825	2,171	945	10,217	29	1,863	22,050	0	– –	– –	– –	– –	10,056	– –	– –	– –
2007	273	50	7,652	2,409	880	10,330	35	1,244	22,549	0	– –	– –	– –	– –	10,603	– –	– –	– –
2008	203	63	7,165	2,679	659	10,075	45	1,357	21,979	0	– –	– –	– –	– –	10,974	– –	– –	– –
2009	132	65	7,229	2,732	707	10,768	23	1,200	22,658	0	– –	– –	– –	– –	11,010	– –	– –	– –
2010	169	71	7,496	2,036	771	10,577	2	1,423	22,305	0	– –	– –	– –	– –	11,356	– –	– –	– –
2011	188	72	7,979	1,806	651	10,608	39	954	22,037	0	– –	– –	– –	– –	11,680	– –	– –	– –
2012	205	68	7,988	1,625	791	10,931	(s)	1,369	22,704	0	– –	– –	– –	– –	11,734	– –	– –	– –
2013	206	78	7,930	1,964	720	10,749	2	884	22,249	0	– –	– –	– –	– –	12,210	– –	– –	– –
2014	215	77	7,878	1,883	984	10,973	4	870	22,592	0	– –	– –	– –	– –	12,355	– –	– –	– –
2015	197	73	7,954	1,638	928	11,390	5	891	22,806	0	– –	– –	– –	– –	12,102	– –	– –	– –
2016	212	73	7,631	1,818	836	11,553	8	R 745	R 22,592	0	– –	– –	– –	– –	12,130	– –	– –	– –
2017	224	75	7,512	1,748	825	11,415	9	R 898	R 22,407	0	– –	– –	– –	– –	12,314	– –	– –	– –
2018	181	80	7,997	1,983	666	11,404	8	R 859	R 22,918	0	– –	– –	– –	– –	12,857	– –	– –	– –
2019	218	81	8,028	2,335	720	11,058	9	R 947	R 23,098	0	– –	– –	– –	– –	12,869	– –	– –	– –
2020	193	76	9,138	1,915	668	10,703	10	R 1,093	R 23,526	0	– –	– –	– –	– –	12,696	– –	– –	– –
2021	220	78	R 7,915	1,939	712	11,748	9	R 1,206	R 23,530	0	– –	– –	– –	– –	13,041	– –	– –	– –
2022	263	84	7,953	1,902	748	11,531	9	1,193	23,336	0	– –	– –	– –	– –	13,467	– –	– –	– –
			Trillion Btu															
1960	2.5	20.8	17.1	5.3	6.1	45.0	0.4	12.0	85.9	R 0.1	1.5	NA	NA	NA	5.2	R 115.9	R 10.4	R 126.3
1970	0.7	32.1	25.2	10.4	6.3	52.0	0.4	7.5	101.8	R 0.1	1.1	NA	NA	NA	9.6	R 145.4	R 19.6	R 165.0
1980	2.8	23.8	27.6	9.4	7.1	50.9	0.7	5.8	101.5	R 0.1	3.3	NA	NA	NA	17.3	R 148.8	R 36.9	R 185.7
1990	3.9	25.2	34.4	13.5	5.9	47.2	0.4	6.7	108.2	0.0	2.2	0.5	0.2	(s)	21.6	162.3	R 30.1	R 192.4
2000	12.6	34.5	34.3	9.7	5.8	53.6	0.8	12.8	117.1	0.0	1.8	1.0	0.4	(s)	28.3	195.6	R 30.7	R 226.4
2005	4.6	39.3	39.6	8.1	5.6	53.3	0.4	13.2	120.2	0.0	1.5	24.4	0.8	(s)	33.5	224.4	R 58.9	R 283.4
2006	4.6	37.5	39.6	8.0	5.4	53.0	0.2	12.2	118.3	0.0	1.4	31.6	0.9	(s)	34.3	228.9	R 57.7	R 286.6
2007	4.6	49.8	44.3	8.9	5.0	53.1	0.2	8.1	119.5	0.0	1.5	33.6	0.9	(s)	36.2	246.6	R 62.2	R 308.8
2008	3.5	62.8	41.4	10.0	3.7	51.4	0.3	8.9	115.7	0.0	1.7	44.4	1.5	(s)	37.4	267.3	R 63.7	R 331.0
2009	2.3	65.4	41.8	10.1	4.0	54.8	0.1	7.9	118.7	0.0	2.1	51.3	1.6	(s)	37.6	278.9	R 51.6	R 330.6
2010	2.9	71.3	43.3	7.8	4.4	53.6	(s)	9.3	118.4	0.0	2.3	56.3	1.7	(s)	38.7	291.6	R 42.8	R 334.5
2011	3.1	72.4	46.0	6.9	3.7	53.7	0.2	6.2	116.8	0.0	2.6	55.1	2.0	(s)	39.9	291.9	R 27.1	R 319.0
2012	3.4	69.0	46.1	6.2	4.5	55.3	(s)	8.9	121.1	0.0	2.3	52.7	1.9	(s)	40.0	290.4	R 33.6	R 324.0
2013	3.4	80.3	45.7	7.5	4.1	54.4	(s)	5.7	117.5	0.0	2.8	54.8	1.9	(s)	41.7	302.4	R 44.7	R 347.0
2014	3.5	79.9	45.4	7.2	5.6	55.5	(s)	5.6	119.4	0.0	2.8	55.9	1.9	(s)	42.2	305.6	R 38.9	R 344.5
2015	3.3	76.9	45.8	6.3	5.3	57.6	(s)	5.8	120.8	0.0	3.0	59.6	1.9	(s)	41.3	306.8	R 37.5	R 344.3
2016	3.5	77.2	43.9	7.0	4.7	58.4	(s)	4.8	118.9	0.0	2.7	60.2	1.9	(s)	41.4	305.7	R 31.6	R 337.3
2017	3.7	79.3	43.2	6.7	4.7	57.7	0.1	5.8	R 118.2	0.0	2.7	62.8	1.9	(s)	42.0	310.5	R 34.0	R 344.5
2018	3.0	85.7	46.1	7.6	3.8	57.6	0.1	R 5.6	120.7	0.0	3.8	64.5	1.9	(s)	43.9	R 323.5	R 30.6	R 354.0
2019	3.7	87.5	46.2	9.0	4.1	55.9	0.1	R 6.2	R 121.4	0.0	3.3	63.8	1.9	(s)	43.9	325.5	R 25.6	R 351.1
2020	3.3	81.7	52.6	7.4	3.8	54.1	0.1	7.1	R 125.0	0.0	R 2.8	61.0	1.9	(s)	43.3	R 318.9	R 19.9	R 338.9
2021	3.6	84.7	R 45.6	7.4	4.0	59.3	0.1	7.7	R 124.2	0.0	R 3.0	68.3	1.9	(s)	44.5	R 330.2	R 18.0	R 348.2
2022	4.2	90.6	45.8	7.3	4.2	58.2	0.1	7.6	123.3	0.0	3.9	69.3	1.9	(s)	45.9	339.1	19.4	358.5

[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, South Dakota

Year	Coal [a]	Natural gas [b]	Petroleum				Biomass	Geothermal [e]	Solar [e,f]	Electricity [g]	End use [e,h]	Electrical system energy losses [i]	Total [e,h]
			Distillate fuel oil	HGL [c]	Kerosene	Total							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood [d]			Million kilowatthours			
1960	72	8	567	1,053	903	2,524	– –	– –	– –	847	– –	– –	– –
1965	39	10	677	1,182	524	2,383	– –	– –	– –	1,183	– –	– –	– –
1970	18	14	763	1,984	14	2,761	– –	– –	– –	1,586	– –	– –	– –
1975	7	12	574	1,969	3	2,545	– –	– –	– –	2,068	– –	– –	– –
1980	4	11	762	1,150	10	1,922	– –	– –	– –	2,623	– –	– –	– –
1985	4	11	772	694	35	1,501	– –	– –	– –	2,769	– –	– –	– –
1990	1	10	936	1,709	4	2,648	– –	– –	– –	2,866	– –	– –	– –
1995	1	13	501	1,366	4	1,871	– –	– –	– –	3,268	– –	– –	– –
2000	(s)	13	351	1,643	4	1,997	– –	– –	– –	3,423	– –	– –	– –
2005	(s)	12	229	1,230	3	1,462	– –	– –	– –	3,973	– –	– –	– –
2006	(s)	12	219	1,136	2	1,358	– –	– –	– –	4,051	– –	– –	– –
2007	(s)	12	177	1,273	2	1,452	– –	– –	– –	4,261	– –	– –	– –
2008	0	14	218	1,704	1	1,924	– –	– –	– –	4,406	– –	– –	– –
2009	0	14	126	1,569	1	1,696	– –	– –	– –	4,511	– –	– –	– –
2010	0	13	127	1,313	2	1,442	– –	– –	– –	4,628	– –	– –	– –
2011	0	13	122	1,259	1	1,382	– –	– –	– –	4,646	– –	– –	– –
2012	0	11	109	1,050	(s)	1,159	– –	– –	– –	4,454	– –	– –	– –
2013	0	14	93	1,213	(s)	1,306	– –	– –	– –	4,824	– –	– –	– –
2014	0	14	85	1,156	(s)	1,241	– –	– –	– –	4,827	– –	– –	– –
2015	0	12	82	1,023	(s)	1,106	– –	– –	– –	4,571	– –	– –	– –
2016	0	12	73	1,117	7	1,197	– –	– –	– –	4,619	– –	– –	– –
2017	0	12	66	1,054	(s)	1,120	– –	– –	– –	4,653	– –	– –	– –
2018	0	14	114	1,237	(s)	1,351	– –	– –	– –	5,018	– –	– –	– –
2019	0	15	92	1,528	(s)	1,620	– –	– –	– –	5,057	– –	– –	– –
2020	0	13	73	1,127	1	1,200	– –	– –	– –	5,070	– –	– –	– –
2021	0	12	89	1,122	1	1,212	– –	– –	– –	5,044	– –	– –	– –
2022	0	15	96	1,132	1	1,230	– –	– –	– –	5,323	– –	– –	– –
							Trillion Btu						
1960	1.4	7.9	3.3	4.0	5.1	12.5	1.2	NA	NA	2.9	25.9	R 5.8	R 31.7
1965	0.8	10.1	3.9	4.5	3.0	11.5	0.8	NA	NA	4.0	27.1	R 7.9	R 35.1
1970	0.3	13.8	4.4	7.6	0.1	12.1	0.7	NA	NA	5.4	32.4	R 11.1	R 43.5
1975	0.1	12.0	3.3	7.6	(s)	10.9	0.7	NA	NA	7.1	30.8	R 14.4	R 45.2
1980	0.1	10.5	4.4	4.4	0.1	8.9	2.5	NA	NA	8.9	31.0	R 19.0	R 50.0
1985	0.1	11.5	4.5	2.7	0.2	7.4	3.2	NA	NA	9.4	31.6	R 19.2	R 50.8
1990	(s)	10.4	5.5	6.6	(s)	12.0	1.8	(s)	(s)	9.8	34.0	R 13.6	R 47.6
1995	(s)	12.8	2.9	5.2	(s)	8.2	1.6	(s)	(s)	11.2	33.7	R 10.5	R 44.2
2000	(s)	12.7	2.0	6.3	(s)	8.4	1.3	0.1	(s)	11.7	34.0	R 12.7	R 46.7
2005	(s)	12.3	1.3	4.7	(s)	6.1	1.2	0.1	(s)	13.6	33.2	R 23.9	R 57.1
2006	(s)	11.5	1.3	4.4	(s)	5.7	1.0	0.2	(s)	13.8	32.2	R 23.2	R 55.4
2007	(s)	12.4	1.0	4.9	(s)	5.9	1.1	0.2	(s)	14.5	34.2	R 25.0	R 59.2
2008	0.0	13.6	1.3	6.5	(s)	7.8	1.3	0.3	(s)	15.0	38.1	R 25.6	R 63.7
2009	0.0	13.6	0.7	6.0	(s)	6.8	1.7	0.4	(s)	15.4	37.9	R 21.2	R 59.0
2010	0.0	12.9	0.7	5.0	(s)	5.8	1.8	0.4	(s)	15.8	36.7	R 17.5	R 54.2
2011	0.0	13.0	0.7	4.8	(s)	5.5	1.7	1.0	(s)	15.9	37.1	R 10.8	R 47.9
2012	0.0	10.9	0.6	4.0	(s)	4.7	1.5	0.6	(s)	15.2	32.9	R 12.8	R 45.7
2013	0.0	14.4	0.5	4.7	(s)	5.2	1.9	0.6	(s)	16.5	38.6	R 17.6	R 56.2
2014	0.0	14.8	0.5	4.4	(s)	4.9	1.9	0.6	(s)	16.5	38.8	R 15.2	R 54.0
2015	0.0	12.4	0.5	3.9	(s)	4.4	2.0	0.6	(s)	15.6	35.1	R 14.2	R 49.2
2016	0.0	12.3	0.4	4.3	(s)	4.8	1.6	0.6	(s)	15.8	35.1	R 12.0	R 47.1
2017	0.0	12.8	0.4	4.0	(s)	4.4	1.5	0.6	(s)	15.9	35.3	R 12.8	R 48.1
2018	0.0	15.2	0.7	4.8	(s)	5.4	2.5	0.6	(s)	17.1	40.9	R 11.9	R 52.9
2019	0.0	16.0	0.5	5.9	(s)	6.4	2.2	0.6	(s)	17.3	42.5	R 10.1	R 52.6
2020	0.0	14.2	0.4	4.3	(s)	4.7	R 1.3	0.6	(s)	17.3	R 38.2	R 8.0	R 46.2
2021	0.0	13.4	0.5	4.3	(s)	4.8	R 1.1	0.6	(s)	17.2	R 37.2	R 6.9	R 44.1
2022	0.0	15.7	0.6	4.3	(s)	4.9	1.9	0.6	(s)	18.2	41.3	7.7	49.0

[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/

Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, South Dakota

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [e,f]	Biomass	Geothermal [f]	Solar [f,h]	Electricity [i]	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]		Wood and waste [f,g]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours			Million kilowatthours				
1960	50	7	226	202	0	37	16	480	NA	– –	– –	NA	409	– –	– –	– –
1965	29	9	269	227	0	46	8	549	NA	– –	– –	NA	645	– –	– –	– –
1970	14	11	303	381	0	50	16	750	NA	– –	– –	NA	937	– –	– –	– –
1975	17	11	228	378	0	58	20	684	NA	– –	– –	NA	995	– –	– –	– –
1980	13	9	365	221	0	65	19	670	NA	– –	– –	NA	1,139	– –	– –	– –
1985	13	10	288	133	1	98	19	539	NA	– –	– –	NA	1,863	– –	– –	– –
1990	2	9	242	328	(s)	78	24	672	0	– –	– –	0	1,811	– –	– –	– –
1995	6	11	301	262	1	11	2	577	0	– –	– –	0	2,424	– –	– –	– –
2000	1	10	195	315	1	11	69	591	0	– –	– –	0	2,857	– –	– –	– –
2005	1	10	204	185	3	12	(s)	404	0	– –	– –	0	3,998	– –	– –	– –
2006	1	10	158	204	1	12	1	376	0	– –	– –	0	4,054	– –	– –	– –
2007	1	10	225	289	(s)	12	12	538	0	– –	– –	0	4,181	– –	– –	– –
2008	9	11	166	342	(s)	12	9	529	0	– –	– –	0	4,240	– –	– –	– –
2009	7	12	172	425	(s)	12	3	611	0	– –	– –	0	4,238	– –	– –	– –
2010	8	11	195	358	(s)	12	2	568	0	– –	– –	0	4,368	– –	– –	– –
2011	0	11	232	242	(s)	12	(s)	487	0	– –	– –	0	4,447	– –	– –	– –
2012	2	9	178	216	(s)	12	(s)	406	0	– –	– –	0	4,557	– –	– –	– –
2013	0	12	169	216	(s)	12	(s)	397	0	– –	– –	0	4,662	– –	– –	– –
2014	0	12	144	318	(s)	12	0	474	0	– –	– –	(s)	4,572	– –	– –	– –
2015	0	10	134	184	(s)	129	0	447	0	– –	– –	(s)	4,749	– –	– –	– –
2016	0	10	120	226	(s)	132	0	478	0	– –	– –	(s)	4,698	– –	– –	– –
2017	0	11	106	285	(s)	133	0	525	0	– –	– –	(s)	4,723	– –	– –	– –
2018	0	13	114	240	(s)	132	8	494	0	– –	– –	(s)	4,903	– –	– –	– –
2019	0	13	144	215	(s)	133	9	502	0	– –	– –	(s)	4,888	– –	– –	– –
2020	0	12	224	219	(s)	133	10	586	0	– –	– –	1	4,696	– –	– –	– –
2021	0	11	142	186	(s)	134	6	468	0	– –	– –	1	4,792	– –	– –	– –
2022	0	13	151	165	(s)	150	6	472	0	– –	– –	1	4,936	– –	– –	– –
			Trillion Btu													
1960	1.0	7.5	1.3	0.8	0.0	0.2	0.1	2.4	NA	(s)	NA	NA	1.4	12.2	R 2.8	R 15.0
1965	0.6	8.8	1.6	0.9	0.0	0.2	(s)	2.7	NA	(s)	NA	NA	2.2	14.3	R 4.3	R 18.6
1970	0.3	11.4	1.8	1.5	0.0	0.3	0.1	3.6	NA	(s)	NA	NA	3.2	18.5	R 6.5	R 25.0
1975	0.3	11.5	1.3	1.5	0.0	0.3	0.1	3.2	NA	(s)	NA	NA	3.4	18.4	R 6.9	R 25.3
1980	0.2	8.5	2.1	0.8	0.0	0.3	0.1	3.4	NA	0.1	NA	NA	3.9	16.1	R 8.3	R 24.4
1985	0.3	10.1	1.7	0.5	(s)	0.5	0.1	2.8	NA	0.1	NA	NA	6.4	19.6	R 12.9	R 32.5
1990	(s)	8.7	1.4	1.3	(s)	0.4	0.2	3.2	0.0	0.2	0.1	0.0	6.2	18.4	R 8.6	R 27.1
1995	0.1	10.8	1.8	1.0	(s)	0.1	(s)	2.8	0.0	0.2	0.2	0.0	8.3	22.4	R 7.8	R 30.2
2000	(s)	10.2	1.1	1.2	(s)	0.1	0.4	2.8	0.0	0.2	0.3	0.0	9.7	23.3	R 10.6	R 33.9
2005	(s)	9.9	1.2	0.7	(s)	0.1	(s)	2.0	0.0	0.2	0.6	0.0	13.6	26.3	R 24.0	R 50.4
2006	(s)	9.6	0.9	0.8	(s)	0.1	(s)	1.8	0.0	0.2	0.7	0.0	13.8	26.0	R 23.3	R 49.3
2007	(s)	10.4	1.3	1.1	(s)	0.1	0.1	2.6	0.0	0.2	0.7	0.0	14.3	28.1	R 24.5	R 52.6
2008	0.2	11.4	1.0	1.3	(s)	0.1	0.1	2.4	0.0	0.2	0.8	0.0	14.5	29.5	R 24.6	R 54.1
2009	0.2	11.6	1.0	1.6	(s)	0.1	(s)	2.7	0.0	0.2	0.9	0.0	14.5	30.1	R 19.9	R 50.0
2010	0.2	11.1	1.1	1.4	(s)	0.1	(s)	2.6	0.0	0.2	1.0	0.0	14.9	30.0	R 16.5	R 46.5
2011	0.0	11.2	1.3	0.9	(s)	0.1	(s)	2.3	0.0	0.2	0.7	0.0	15.2	29.6	R 10.3	R 40.0
2012	(s)	9.5	1.0	0.8	(s)	0.1	(s)	1.9	0.0	0.2	1.0	0.0	15.5	28.2	R 13.1	R 41.2
2013	0.0	12.5	1.0	0.8	(s)	0.1	(s)	1.9	0.0	0.2	1.0	0.0	15.9	31.5	R 17.1	R 48.5
2014	0.0	12.8	0.8	1.2	(s)	0.1	0.0	2.1	0.0	0.2	1.0	(s)	15.6	31.7	R 14.4	R 46.1
2015	0.0	11.0	0.8	0.7	(s)	0.7	0.0	2.1	0.0	0.3	1.0	(s)	16.2	30.6	R 14.7	R 45.3
2016	0.0	11.0	0.7	0.9	(s)	0.7	0.0	2.2	0.0	0.3	1.0	(s)	16.0	30.5	R 12.2	R 42.8
2017	0.0	11.4	0.6	1.1	(s)	0.7	0.0	2.4	0.0	0.3	1.0	(s)	16.1	31.1	R 13.0	R 44.2
2018	0.0	13.4	0.7	0.9	(s)	0.7	0.1	2.3	0.0	0.4	1.0	(s)	16.7	33.8	R 11.7	R 45.4
2019	0.0	14.5	0.8	0.8	(s)	0.7	0.1	2.4	0.0	0.3	1.0	(s)	16.7	34.9	R 9.7	R 44.6
2020	0.0	12.8	1.3	0.8	(s)	0.7	0.1	2.9	0.0	0.3	1.0	(s)	16.0	32.9	R 7.4	R 40.3
2021	0.0	12.4	0.8	0.7	(s)	0.7	(s)	2.2	0.0	0.2	1.0	(s)	16.3	32.2	R 6.6	R 38.8
2022	0.0	14.2	0.9	0.6	(s)	0.8	(s)	2.3	0.0	0.3	1.0	(s)	16.8	34.6	7.1	41.7

[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, South Dakota

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [e,f]	Biomass		Geo-thermal [f]	Solar [f,i]	Electricity [j]	End use [f,k]	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]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kWh				Million kWh				
1960	5	5	1,780	93	2,615	35	816	5,339	20	– –	– –	– –	NA	258	– –	– –	– –
1965	4	5	2,177	108	2,455	15	642	5,397	38	– –	– –	– –	NA	246	– –	– –	– –
1970	5	7	2,332	298	2,209	35	911	5,784	35	– –	– –	– –	NA	281	– –	– –	– –
1975	59	6	1,635	527	1,626	52	884	4,725	36	– –	– –	– –	NA	994	– –	– –	– –
1980	127	5	1,640	1,090	1,473	95	646	4,943	32	– –	– –	– –	NA	1,322	– –	– –	– –
1985	279	4	1,734	389	694	16	850	3,683	32	– –	– –	– –	NA	1,019	– –	– –	– –
1990	223	6	2,377	1,632	489	36	797	5,330	0	– –	– –	– –	0	1,657	– –	– –	– –
1995	393	7	2,202	652	534	11	847	4,246	0	– –	– –	– –	0	1,722	– –	– –	– –
2000	602	5	1,930	625	418	63	1,746	4,783	0	– –	– –	– –	0	2,003	– –	– –	– –
2005	277	11	1,804	773	791	62	1,836	5,266	0	– –	– –	– –	0	1,840	– –	– –	– –
2006	275	11	1,696	818	845	28	1,675	5,062	0	– –	– –	– –	0	1,952	– –	– –	– –
2007	272	21	2,108	830	557	22	1,054	4,570	0	– –	– –	– –	0	2,161	– –	– –	– –
2008	194	33	1,914	592	402	36	1,193	4,136	0	– –	– –	– –	0	2,328	– –	– –	– –
2009	124	37	1,946	715	420	19	1,062	4,163	0	– –	– –	– –	0	2,260	– –	– –	– –
2010	162	41	1,754	362	323	0	1,287	3,726	0	– –	– –	– –	0	2,360	– –	– –	– –
2011	188	41	2,270	299	327	38	822	3,755	0	– –	– –	– –	0	2,586	– –	– –	– –
2012	202	41	1,965	353	309	0	1,238	3,866	0	– –	– –	– –	0	2,724	– –	– –	– –
2013	206	45	2,213	527	316	1	757	3,815	0	– –	– –	– –	0	2,724	– –	– –	– –
2014	215	45	1,885	400	296	4	733	3,318	0	– –	– –	– –	0	2,955	– –	– –	– –
2015	197	45	1,926	418	283	5	752	3,383	0	– –	– –	– –	0	2,782	– –	– –	– –
2016	212	45	1,902	463	257	8	R 607	R 3,237	0	– –	– –	– –	0	2,813	– –	– –	– –
2017	224	46	1,800	404	259	9	R 778	R 3,250	0	– –	– –	– –	0	2,938	– –	– –	– –
2018	181	47	1,880	487	261	0	R 740	R 3,369	0	– –	– –	– –	0	2,935	– –	– –	– –
2019	218	46	1,847	561	250	0	R 834	R 3,492	0	– –	– –	– –	0	2,924	– –	– –	– –
2020	193	46	2,732	562	254	0	R 981	R 4,529	0	– –	– –	– –	0	2,929	– –	– –	– –
2021	220	49	1,852	629	258	3	R 982	R 3,724	0	– –	– –	– –	0	3,206	– –	– –	– –
2022	263	50	1,872	599	265	3	961	3,700	0	– –	– –	– –	(s)	3,208	– –	– –	– –
			Trillion Btu														
1960	0.1	5.3	10.4	0.4	13.7	0.2	5.3	30.0	R 0.1	0.3	NA	NA	NA	0.9	R 36.7	R 1.8	R 38.5
1965	0.1	4.7	12.7	0.4	12.9	0.1	4.2	30.3	R 0.1	0.3	NA	NA	NA	0.8	R 36.3	R 1.7	R 37.9
1970	0.1	6.8	13.6	1.1	11.6	0.2	6.0	32.5	R 0.1	0.5	NA	NA	NA	1.0	R 41.0	R 2.0	R 43.0
1975	1.1	5.8	9.5	1.9	8.5	0.3	5.9	26.1	R 0.1	0.8	NA	NA	NA	3.4	R 37.3	R 6.9	R 44.2
1980	2.4	4.7	9.6	3.8	7.7	0.6	4.3	26.0	R 0.1	0.7	NA	NA	NA	4.5	R 38.5	R 9.6	R 48.1
1985	4.8	3.6	10.1	1.3	3.6	0.1	5.6	20.8	R 0.1	0.9	0.0	NA	NA	3.5	R 33.7	R 7.1	R 40.8
1990	3.9	6.0	13.8	5.6	2.6	0.2	5.3	27.5	0.0	0.2	0.5	(s)	0.0	5.7	43.9	R 7.9	R 51.8
1995	6.8	7.4	12.8	2.3	2.8	0.1	5.6	23.5	0.0	0.3	0.8	(s)	0.0	5.9	44.7	R 5.5	R 50.3
2000	12.6	5.3	11.2	2.1	2.2	0.4	11.6	27.5	0.0	0.3	1.0	0.1	0.0	6.8	53.6	R 7.4	R 61.0
2005	4.6	11.3	10.5	2.7	4.1	0.4	12.2	29.8	0.0	0.2	24.4	(s)	0.0	6.3	76.6	R 11.1	R 87.7
2006	4.6	11.0	9.8	2.8	4.4	0.2	11.1	28.3	0.0	0.2	31.6	(s)	0.0	6.7	82.4	R 11.2	R 93.6
2007	4.6	21.3	12.2	2.8	2.9	0.1	7.0	25.0	0.0	0.2	33.6	0.1	0.0	7.4	92.2	R 12.7	R 104.8
2008	3.3	33.1	11.1	2.0	2.1	0.2	7.9	23.2	0.0	0.2	44.4	0.3	0.0	7.9	112.4	R 13.5	R 125.9
2009	2.1	36.9	11.2	2.4	2.1	0.1	7.0	22.9	0.0	0.2	51.3	0.2	0.0	7.7	121.4	R 10.6	R 132.0
2010	2.7	41.5	10.1	1.4	1.6	0.0	8.5	21.7	0.0	0.3	56.3	0.3	0.0	8.1	130.8	R 8.9	R 139.7
2011	3.1	41.5	13.1	1.1	1.7	0.2	5.4	21.6	0.0	0.7	55.1	0.3	0.0	8.8	131.0	R 6.0	R 137.0
2012	3.4	42.0	11.3	1.4	1.6	0.0	8.2	22.4	0.0	0.6	52.7	0.3	0.0	9.3	130.7	R 7.8	R 138.5
2013	3.4	46.3	12.8	2.0	1.6	(s)	5.0	21.4	0.0	0.7	54.8	0.3	0.0	9.3	136.2	R 10.0	R 146.2
2014	3.5	46.9	10.9	1.5	1.5	(s)	4.8	18.8	0.0	0.7	55.9	0.3	0.0	10.1	136.1	R 9.3	R 145.4
2015	3.3	47.3	11.1	1.6	1.4	(s)	5.0	19.1	0.0	0.7	59.6	0.3	0.0	9.5	139.8	R 8.6	R 148.4
2016	3.5	47.1	10.9	1.8	1.3	(s)	4.0	18.1	0.0	0.7	60.2	0.3	0.0	9.6	139.5	R 7.3	R 146.8
2017	3.7	48.2	10.4	1.6	1.3	0.1	5.1	R 18.4	0.0	0.8	62.8	0.3	0.0	10.0	R 144.2	R 8.1	R 152.3
2018	3.0	50.1	10.8	1.9	1.3	0.0	R 4.9	R 18.9	0.0	0.9	64.5	0.3	0.0	10.0	R 147.7	R 7.0	R 154.7
2019	3.7	49.9	10.6	2.2	1.3	0.0	5.5	R 19.6	0.0	0.9	63.8	0.3	0.0	10.0	148.0	R 5.8	R 153.8
2020	3.3	49.1	15.7	2.2	1.3	0.0	R 6.5	25.6	0.0	1.2	61.0	0.3	0.0	10.0	150.4	R 4.6	R 155.0
2021	3.6	52.6	10.7	2.4	1.3	(s)	R 6.5	20.9	0.0	1.7	68.3	0.3	0.0	10.9	158.3	R 4.4	R 162.8
2022	4.2	54.0	10.8	2.3	1.3	(s)	6.3	20.8	0.0	1.7	69.3	0.3	(s)	10.9	161.2	4.6	165.8

[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/

Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, South Dakota

Year	Coal	Natural gas [a]	Petroleum								Electricity [f]	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 short tons	Billion cubic feet	Thousand barrels								Million kilowatthours			
1960	(s)	(s)	106	362	22	1,145	174	5,909	11	7,729	0	– –	– –	– –
1965	(s)	(s)	128	635	24	1,111	143	6,454	1	8,496	0	– –	– –	– –
1970	(s)	(s)	99	929	50	1,173	151	7,645	6	10,052	0	– –	– –	– –
1975	(s)	(s)	77	1,337	57	1,056	140	8,952	1	11,618	0	– –	– –	– –
1980	0	(s)	97	1,977	69	1,311	156	8,150	0	11,760	0	– –	– –	– –
1985	0	(s)	87	2,322	24	1,019	142	8,487	0	12,081	0	– –	– –	– –
1990	0	(s)	93	2,352	23	1,097	160	8,419	(s)	12,145	0	– –	– –	– –
1995	0	3	46	3,203	15	1,463	152	9,462	0	14,341	0	– –	– –	– –
2000	0	6	51	3,425	14	1,024	163	9,875	0	14,551	0	– –	– –	– –
2005	0	6	31	4,562	13	996	137	9,470	0	15,209	0	– –	– –	– –
2006	0	5	51	4,752	12	945	134	9,360	0	15,254	0	– –	– –	– –
2007	0	6	50	5,142	16	880	138	9,761	0	15,988	0	– –	– –	– –
2008	0	5	34	4,866	41	659	128	9,662	0	15,390	0	– –	– –	– –
2009	0	3	21	4,985	24	707	115	10,336	0	16,188	0	– –	– –	– –
2010	0	6	29	5,419	3	771	105	10,242	0	16,569	0	– –	– –	– –
2011	0	7	32	5,355	6	651	99	10,270	0	16,413	0	– –	– –	– –
2012	0	6	32	5,736	6	791	98	10,610	0	17,274	0	– –	– –	– –
2013	0	7	29	5,456	8	720	98	10,421	0	16,732	0	– –	– –	– –
2014	0	5	33	5,763	9	984	103	10,666	0	17,559	0	– –	– –	– –
2015	0	6	25	5,811	14	928	114	10,978	0	17,870	0	– –	– –	– –
2016	0	6	25	5,536	13	836	R 106	11,164	0	R 17,680	0	– –	– –	– –
2017	0	7	23	5,540	4	825	96	11,022	0	R 17,512	0	– –	– –	– –
2018	0	7	25	5,889	19	666	R 94	11,010	0	R 17,703	0	– –	– –	– –
2019	0	7	24	5,945	32	720	R 89	10,675	0	17,484	0	– –	– –	– –
2020	0	5	25	6,110	7	668	R 86	10,316	0	R 17,212	0	– –	– –	– –
2021	0	6	24	R 5,832	3	712	R 89	11,356	0	R 18,127	0	– –	– –	– –
2022	0	6	25	5,833	7	748	93	11,116	0	17,934	0	– –	– –	– –
			Trillion Btu											
1960	(s)	(s)	0.5	2.1	0.1	6.1	1.1	31.0	0.1	41.0	0.0	41.1	0.0	41.1
1965	(s)	(s)	0.6	3.7	0.1	6.0	0.9	33.9	(s)	45.2	0.0	45.2	0.0	45.2
1970	(s)	(s)	0.5	5.4	0.2	6.3	0.9	40.2	(s)	53.5	0.0	53.6	0.0	53.6
1975	(s)	(s)	0.4	7.8	0.2	5.7	0.8	47.0	(s)	62.0	0.0	62.0	0.0	62.0
1980	0.0	0.1	0.5	11.5	0.3	7.1	0.9	42.8	0.0	63.1	0.0	63.2	0.0	63.2
1985	0.0	0.2	0.4	13.5	0.1	5.5	0.9	44.6	0.0	65.0	0.0	65.5	0.0	65.5
1990	0.0	0.1	0.5	13.7	0.1	5.9	1.0	44.2	(s)	65.4	0.0	66.0	0.0	66.0
1995	0.0	2.8	0.2	18.6	0.1	7.9	0.9	49.2	0.0	77.0	0.0	79.8	0.0	79.8
2000	0.0	6.3	0.3	19.9	0.1	5.8	1.0	51.4	0.0	78.4	0.0	84.7	0.0	84.7
2005	0.0	5.8	0.2	26.5	0.1	5.6	0.8	49.2	0.0	82.4	0.0	88.3	0.0	88.3
2006	0.0	5.4	0.3	27.6	(s)	5.4	0.8	48.5	0.0	82.6	0.0	88.3	0.0	88.3
2007	0.0	5.7	0.3	29.7	0.1	5.0	0.8	50.2	0.0	86.1	0.0	92.1	0.0	92.1
2008	0.0	4.7	0.2	28.1	0.2	3.7	0.8	49.3	0.0	82.3	0.0	87.3	0.0	87.3
2009	0.0	3.2	0.1	28.8	0.1	4.0	0.7	52.6	0.0	86.3	0.0	89.6	0.0	89.6
2010	0.0	5.8	0.1	31.3	(s)	4.4	0.6	51.9	0.0	88.4	0.0	94.2	0.0	94.2
2011	0.0	6.7	0.2	30.9	(s)	3.7	0.6	52.0	0.0	87.4	0.0	94.1	0.0	94.1
2012	0.0	6.5	0.2	33.1	(s)	4.5	0.6	53.7	0.0	92.1	0.0	98.6	0.0	98.6
2013	0.0	7.1	0.1	31.4	(s)	4.1	0.6	52.7	0.0	89.0	0.0	96.1	0.0	96.1
2014	0.0	5.4	0.2	33.2	(s)	5.6	0.6	54.0	0.0	93.6	0.0	99.0	0.0	99.0
2015	0.0	6.2	0.1	33.5	0.1	5.3	0.7	55.5	0.0	95.1	0.0	101.3	0.0	101.3
2016	0.0	6.8	0.1	31.9	(s)	4.7	0.6	56.4	0.0	93.9	0.0	100.6	0.0	100.6
2017	0.0	6.9	0.1	31.9	(s)	4.7	0.6	55.7	0.0	93.0	0.0	99.9	0.0	99.9
2018	0.0	7.0	0.1	33.9	0.1	3.8	0.6	55.6	0.0	94.1	0.0	R 101.1	0.0	R 101.1
2019	0.0	7.1	0.1	34.2	0.1	4.1	0.5	53.9	0.0	93.0	0.0	100.1	0.0	100.1
2020	0.0	5.6	0.1	35.2	(s)	3.8	0.5	52.1	0.0	91.7	0.0	97.3	0.0	97.3
2021	0.0	6.2	0.1	R 33.6	(s)	4.0	0.5	57.3	0.0	R 96.3	0.0	R 102.5	0.0	R 102.5
2022	0.0	6.7	0.1	33.6	(s)	4.2	0.6	56.1	0.0	95.3	0.0	102.0	0.0	102.0

[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, South Dakota

Year	Coal	Natural gas [a]	Petroleum				Nuclear electric power	Hydroelectric power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Electricity net imports [h]	Total [f,i]
			Distillate fuel oil [b]	Petroleum coke	Residual fuel oil [c]	Total			Wood and waste [e,f]					
	Thousand short tons	Billion cubic feet	Thousand barrels				Million kilowatthours			Million kilowatthours				
1960	246	4	7	0	40	47	0	1,136	– –	0	NA	NA	0	– –
1965	237	3	8	0	47	55	0	3,835	– –	0	NA	NA	0	– –
1970	301	4	48	0	270	318	0	6,544	– –	0	NA	NA	0	– –
1975	1,804	3	67	0	145	212	0	7,890	– –	0	NA	NA	0	– –
1980	2,683	(s)	58	0	9	67	0	5,786	– –	0	NA	NA	0	– –
1985	2,407	(s)	39	0	1	40	0	5,301	– –	0	0	0	0	– –
1990	2,345	(s)	32	0	0	32	0	3,934	– –	0	0	0	0	– –
1995	2,137	1	48	0	0	48	0	6,010	– –	0	0	0	0	– –
2000	2,211	4	136	0	0	136	0	5,716	– –	0	0	0	13	– –
2005	1,880	4	52	0	0	52	0	3,075	– –	0	0	158	(s)	– –
2006	2,064	3	19	0	0	19	0	3,397	– –	0	0	149	0	– –
2007	1,691	4	140	0	0	140	0	2,917	– –	0	0	150	(s)	– –
2008	2,359	3	50	0	0	50	0	2,993	– –	0	0	145	0	– –
2009	2,107	1	24	0	0	24	0	4,432	– –	0	0	421	(s)	– –
2010	2,164	2	18	0	0	18	0	5,239	– –	0	0	1,372	0	– –
2011	1,768	2	21	0	0	21	0	6,608	– –	0	0	2,668	(s)	– –
2012	1,950	2	18	0	0	18	0	5,981	– –	0	0	2,354	0	– –
2013	1,847	4	21	0	0	21	0	4,063	– –	0	0	2,688	0	– –
2014	1,780	4	23	0	0	23	0	5,498	– –	0	0	2,336	0	– –
2015	990	6	38	0	0	38	0	4,850	– –	0	0	2,498	0	– –
2016	1,403	7	11	0	0	11	0	4,806	– –	0	(s)	3,714	0	– –
2017	1,355	6	15	0	0	15	0	5,256	– –	0	2	2,958	0	– –
2018	1,493	9	20	0	0	20	0	6,266	– –	0	2	2,835	0	– –
2019	1,690	9	34	0	0	34	0	7,915	– –	0	2	2,789	0	– –
2020	1,130	9	19	0	0	19	0	5,831	– –	0	2	5,544	0	– –
2021	1,092	11	85	0	0	85	0	4,983	– –	0	2	9,327	0	– –
2022	1,249	12	45	0	0	45	0	4,259	– –	0	2	10,295	0	– –
							Trillion Btu							
1960	4.2	4.6	(s)	0.0	0.3	0.3	0.0	R 3.9	0.0	0.0	NA	NA	0.0	R 13.0
1965	4.2	3.3	(s)	0.0	0.3	0.3	0.0	R 13.1	0.0	0.0	NA	NA	0.0	R 21.0
1970	5.0	4.4	0.3	0.0	1.7	2.0	0.0	R 22.3	0.0	0.0	NA	NA	0.0	R 33.7
1975	22.8	3.2	0.4	0.0	0.9	1.3	0.0	R 26.9	0.0	0.0	NA	NA	0.0	R 54.2
1980	33.8	0.3	0.3	0.0	0.1	0.4	0.0	R 19.7	0.0	0.0	NA	NA	0.0	R 54.2
1985	29.4	(s)	0.2	0.0	(s)	0.2	0.0	R 18.1	0.0	0.0	0.0	0.0	0.0	R 47.7
1990	31.0	0.2	0.2	0.0	0.0	0.2	0.0	R 13.4	0.0	0.0	0.0	0.0	0.0	R 44.8
1995	30.5	0.9	0.3	0.0	0.0	0.3	0.0	R 20.5	0.0	0.0	0.0	0.0	0.0	R 52.2
2000	38.0	3.7	0.8	0.0	0.0	0.8	0.0	R 19.5	0.0	0.0	0.0	0.0	(s)	R 62.0
2005	32.3	3.6	0.3	0.0	0.0	0.3	0.0	R 10.5	0.0	0.0	0.0	R 0.5	(s)	R 47.3
2006	35.0	3.4	0.1	0.0	0.0	0.1	0.0	R 11.6	0.0	0.0	0.0	R 0.5	0.0	R 50.5
2007	28.6	4.3	0.8	0.0	0.0	0.8	0.0	R 10.0	0.0	0.0	0.0	R 0.5	(s)	R 44.2
2008	39.6	2.6	0.3	0.0	0.0	0.3	0.0	R 10.2	(s)	0.0	0.0	R 0.5	0.0	R 53.3
2009	35.2	0.9	0.1	0.0	0.0	0.1	0.0	R 15.1	0.1	0.0	0.0	R 1.4	(s)	R 52.9
2010	36.2	1.6	0.1	0.0	0.0	0.1	0.0	R 17.9	0.0	0.0	0.0	R 4.7	0.0	R 60.5
2011	29.0	1.6	0.1	0.0	0.0	0.1	0.0	R 22.5	0.0	0.0	0.0	R 9.1	(s)	R 62.4
2012	32.2	2.5	0.1	0.0	0.0	0.1	0.0	R 20.4	0.0	0.0	0.0	R 8.0	0.0	R 63.2
2013	30.8	4.2	0.1	0.0	0.0	0.1	0.0	R 13.9	0.0	0.0	0.0	R 9.2	0.0	R 58.2
2014	29.5	4.0	0.1	0.0	0.0	0.1	0.0	R 18.8	0.0	0.0	0.0	R 8.0	0.0	R 60.4
2015	16.3	6.5	0.2	0.0	0.0	0.2	0.0	R 16.5	0.0	0.0	0.0	R 8.5	0.0	R 48.0
2016	23.2	7.9	0.1	0.0	0.0	0.1	0.0	R 16.4	0.0	0.0	(s)	R 12.7	0.0	R 60.2
2017	22.4	6.1	0.1	0.0	0.0	0.1	0.0	R 17.9	0.0	0.0	(s)	R 10.1	0.0	R 56.6
2018	24.6	9.8	0.1	0.0	0.0	0.1	0.0	R 21.4	0.0	0.0	(s)	R 9.7	0.0	R 65.6
2019	27.7	9.9	0.2	0.0	0.0	0.2	0.0	R 27.0	0.0	0.0	(s)	R 9.5	0.0	R 74.4
2020	18.4	9.5	0.1	0.0	0.0	0.1	0.0	R 19.9	0.0	0.0	(s)	R 18.9	0.0	R 66.9
2021	18.0	12.1	0.5	0.0	0.0	0.5	0.0	R 17.0	0.0	0.0	(s)	R 31.8	0.0	R 79.4
2022	20.6	12.7	0.3	0.0	0.0	0.3	0.0	14.5	0.0	0.0	(s)	35.1	0.0	83.1

[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/