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

				Petroleum										
	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
Year	Thousand short tons	Billion cubic feet				Thousand barrels				М	illion kilowatthou	rs	Thousan	d 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	25 27	3,766	1,541	1,111	8,955	102 71	1,437	16,881	Ö	3.872	0	NA	NA
1970 1971	338 335	36 32	4,375 4,610	2,712 2.675	1,173 1,207	9,903 10,244	328 211	1,175 1,221	19,666 20,168	0	6,579 7,778	0	NA NA	NA NA
1972	312	36 32 34 31 32 33 39 36 35	4 536	3,149	1,138	10,771	343	1,290	21,226	Õ	7.432	Ö	NA	NA
1973 1974	385 446	31	4,243 3,691	2,922 2,780	1,071 1,102	10,989 10,702	234 133	1,518 1,143	20,977 19,550	0	4,837 5,661	0	NA NA	NA NA
1975	1,888	33	3,841 3,334	2,930 3,027	1,056	10,702 10,636 10,944	218	1,104	19,784 19,840	0	7,927 7,052	0	NA	NA
1976 1977	2,838	39	3,334	3,027 3,773	1,011	10,944 11,298	307	1,217 974	19,840	0	7,052	0	NA NA	NA NA
1977 1978	2,732 3,004	36 35	3,013 3,718	3,773 3,192	1,083 1,334	11,298 11,417	284 283	974 1,233	20,425 21,177	0	5,294 6,831	0	NA NA	NA NA
1979	2,771	26	6,359 4,801	2 453	1.326	10.772	221 122	1,089 909	22,219	Ö	6,359 5,818	Ö	NA	NA
1980 1981	2,827 2,759	26 24 22 25 23 25 25 25 23 21	4,801 4,414	2,530 1,779	1,311 1,136	9,688 9,192	122 158	909 808	19,362 17,487	0	5,818 5,306	0	NA 19	NA NA
1982	2,746	25	5,076	2,231	1,138	9,060	51	922	18,477	0	5,426	0	33	NA NA
1983	2,409	23	4.473	2.245	956	8.952	136	813	17 574	0	5.526	0	74	NA
1984 1985	2,719 2,703	25 25	5,106 5,154	1,019 1,241	1,024 1,019	8,885 9,279	91 36 60 55 85 66 60 67	1,079 1,114	17,204 17,843	0	5,722 5,333	0	93 98	NA NA
1986	2,281	23	6,239	1,567	516	9,004	60	1,077	18,463 19,359	Ö	5,736	Ö	138	NA
1987	1,101	21	6,326 6,450	2,358 1,579	669 875	9,016 9,175	55	934	19,359	0	5,386	0	144 141	NA NA
1988 1989	2,591 2,541	24 26	5,889	3,623	1,024	9,126	66	1,141 1,038	19,304 20,765	0	5,286 4,583	0	163	NA NA
1990	2,571	25 26	5 939	3 691	1,097	8,986	60	1,054	20 828	Ō	3.934	Ō	142	NA
1991 1992	2,863 2,670	26 27	5,827 5,495	1,794 1,930	367 1,272	9,119 9,345	67 143	1,001 1,125	18,175	0	3,828 3,612	0	325 424	NA NA
1993	2,696	31	6,134	2,591	1,190	9,565	115	876	19,310 20,472	ő	2,591	ő	471	NA
1994 1995	3,036	31 34 37	6,516	2,298 2,294	1,305	9,839	87	862	20,908 21,082	0	5,129 6,010	0	540	NA NA
1995	2,537 1,852	34 37	6,255 6,537	2,294 2,908	1,463 1,014	10,007 10,148	14 40	1,050 1,361	21,082	0	6,010 7,978	0 0	506 357	NA NA
1997	2,442	36 33 36 38	6,129	2,627	697	10,165	64 101	1,582	21,264	Ō	9,012	0	399	NA
1998	2,316 2,649	33	5,874 6,080	2,151	819 770	10,440 10,337	101	1,512 2,123	20,897	0	5,758 6,677	0	458 509	NA NA
1999 2000	2.815	38	6.036	1,988 2,597	1,024	10,304	88 133	1,964	21,385 22,057	0	5 716	0	555	NA
2001	2,599 2,358	37	6,317 6,792	2.071	967	10,204	106	1,285	20,951 22,677	0	3,432	1	522	2
2002 2003	2,358 2,543	42 44	6,792 6,268	3,022 2,618	919 769	10,599 10,307	104 46	1,242 1,528	22,677 21,535	0	3,432 4,354 4,276 3,598	6 44	591 585	3
2004	2,574	44 42	6,555	2,441	769 776	10,389	93	1,367	21,535 21,621	Ō	3,598	158	553	2 5
2005 2006	2,158	43 41	6,850	2,201 2,171	996	10,273 10,217	46 93 62 29 35 45	2,010 1,863	22.393	0	3,075 3,397	158 149	673 631	16 45 61 52 55 45 152
2006	2,340 1,964	41 54	6,844 7,791	2.409	945 880	10,217	29 35	1,863	22,069 22,688	0	3,397 2,917	150	827	45 61
2008	2,562	54 65	7,215	2,679	659 707	10,075	45	1,357	22,029	Ö	2.993	145	954	52
2009 2010	2,238	66 73	7,252	2,732	707 771	10,768 10,577	23 2	1,200	22,682	0	4,432 5,230	421 1,372	981 1,122	55 45
2010	2,333 1,956	73 74	7,514 7,999	2,036 1,806	651	10,608	39	1,423 954	22,323 22,058	0	5,239 6,608	2.668	1,059	152
2012	2,155 2,053	70	8,006	1,625 1,964	791 720	10,931	(s)	1,369	22,722	0	5,981 4,063	2,354 2,688	1 088	149 236
2013 2014	2,053 1 995	82 81 79	7,951 7,901	1,964 1,883	984	10,749 10,973	2 4	884 870	22,270 22,615	0	4,063 5 498	2,688 2,336	1,095 1,114	236 213
2015	1,995 1,187	79	7,901 7,992 7,642	1,883 1,638	928 836	11,390 11,553	5	891	22,844 R 22,603	Ö	5,498 4,850	2,336 2,498	1,187	213 191 270
2016 2017	1,615 1,579	81 81	7,642	1,818 1,748	836	11,553 11,415	8 9	R 745 R 898	H 22,603	0	4.806	3,714 2,958	1,197 1,188	270
2017	1,674	89	7,527 8,017	1,983	825 666	11,404	8	H 859	R 22,422 R 22,937	0	5,256 6,266	2,835	1,177	225 213 R 170
2019	1 908	90 85	8.061	2 335	720	11 058	9	H 947	R 23,131 R 23,545	Ō	7,915 5,831	2,789	1.162	R 170
2020 2021	1,322 1,312	85 90	9,157 R 8,000	1,915 1,939	668 712	10,703 11,748	10 9	R 1,093 R 1,206	R 23,545 R 23,615	0	5,831 4,983	5,544 9,327	1,131	259 192
2021	1,512	90 96	7,997	1,902	712 748	11,746	9	1,193	23,380	0	4,963 4,259	10,295	1,231 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.

<sup>C Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
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</sup> data source and methodology changes, see technical notes.

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.

⁹ 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.

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

	(1111101	·			Fossil	l fuolo						Fossil fuels	
					FOSSII	Petroleum						(as commingled)	
Year	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
1960 1965	6.7 5.7	25.4 26.9	21.9	5.9	6.0	47.0	0.4	8.7	90.0	122.5	25.4 26.9	21.9	45.0 47.0
1970 1971	5.7 5.8	36.5 32.0	25.5 26.9	10.4 10.2	6.3 6.5	52.0 53.8	2.1 1.3	7.5 7.9	103.8 106.6	145.9 144.4	36.5 32.0	25.5 26.9	52.0 53.8
1971	5.8 5.3	32.0 34.2	26.9 26.4	12.0	6.1	53.8 56.6	1.3	7.9 8.3	111.6	151.1	32.0	26.9 26.4	53.8 56.6
1972 1973	5.3 6.3 7.4	31.3 32.0	26.4 24.7	11.1 10.5	5.8 6.0	56.6 57.7	2.2 1.5 0.8	9.8 7.3	110.6 102.4	148.3	34.2 31.3	26.4 24.7	56.6 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 1976	24.3 37.1	32.5 39.2	22.4 19.4	11.1 11.4	5.7 5.5	55.9 57.5	1.4 1.9	7.1 7.6	103.5 103.4	160.3 179.6	32.5 39.2 36.1	22.4 19.4	55.9 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 25.6	21.7	12.0	7.2 7.2	60.0 56.6	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 1981	36.6 36.2	24.0 22.1	28.0 25.7	9.4 6.6	7.1 6.1	50.9 48.3	0.8 1.0	5.8 5.1	101.9 92.8	162.5 151.1	24.0 22.1	28.0 25.7	50.9 48.3
1982	37.0	25.0	29.6	8.1	6.1	47.6	0.3	5.8	92.6 97.6	159.6	25.1	29.6	47.6
1982 1983	30.7	25.0 23.6	26.1	8.1 8.3	6.1 5.2	47.0	0.3 0.9	5.1	97.6 92.5	159.6 146.8	25.1 23.6	29.6 26.1	47.6 47.0
1984	34.4 34.5	24.9	29.7	3.8	5.5 5.5 2.8	46.7 48.7 47.3	0.6 0.2	6.9 7.1 6.9	93.2	152.5	24.9 25.5 23.4	29.7	46.7
1985 1986	34.5 29.2	25.5 23.4	30.0 36.3	4.6 5.8	5.5 2.8	48.7 47.3	0.2	7.1 6.9	96.2 99.6	156.2 152.2	25.5 23.4	30.0 36.3	48.7 47.3 47.4 48.2
1987	14.6	21.4	36.9	8.8	3.6	47.4 48.2	0.3	6.0	103.0	138.9	21.4	36.9	47.4
1988	33.8	24.7	37.6	5.0	4.7	48.2	0.5	7.3	103.0 104.3	162.8	24.7	37.6	48.2
1989 1990	34.3 34.9	25.9 25.4	34.3 34.6	13.3	5.5 5.9	47.9 47.2	0.4 0.4	6.6 6.7	108.2	168.4 168.7	25.9	34.3	47.9 47.2
1990	38.7	26.7	33.9	13.3 13.5 6.7 7.1 9.5	2.0	47.2	0.4	6.4	108.4 97.4	162.8	25.9 25.5 26.7	34.6 33.9 32.0 35.7	47.2 47.9
1992	36.0	27.0	32.0	7.1	6.9 6.4	49.1 48.3	0.9 0.7	7.3 5.6	103.3 106.3	166.3	27.0	32.0	49.1 49.9
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 1995	41.4 37.4	31.2	37.9 36.4	8.6 8.6	7.1 7.9	49.4 50.3	0.5 0.1	5.5 6.8	109.0	181.6 182.3	31.3 34.8 37.4	37.9 36.4	51.3 52.1
1996	33.5	34.7 37.3	38.0	10.9	5.7	51.6	0.3	8.8	110.1 115.4	186.2	37.4	38.0	52.9
1997	42.9 41.0	36.8	35.7	9.9	4.0	51.6 51.5	0.4	10.3	111.7	191.5	36.8	35.7	52.9 54.3
1998 1999	41.0 46.3	33.4 36.0	34.2 35.4	8.1	4.6 4.4	52.7 52.0	0.6 0.6	9.9 13.9	110.1	184.5 196.0	33.4 36.0	34.2	54.3 52.0
2000	50.6	38.1	35.4	7.5 9.7	5.8	52.0 51.7	0.8	12.8	113.7 116.0	204.7	38.1	35.4 35.1	53.8 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 43.9	39.5	55.1
2003	43.0 43.6	43.9 41.8	36.5 38.1	9.8 9.0	4.4 4.4	51.5 52.1	0.3	10.0	112.4	199.3	43.9	36.5 38.1	53.6 54.0
2004 2005	43.6 37.0	42.8	38.1 39.9	8.1	5.6	52.1 51.0	0.6 0.4	8.9 13.2	113.1 118.2	198.4 198.0	41.8 42.9	38.1 39.9	54.0 53.3
2006 2007	39.6 33.3 43.1	40.9 54.1 65.5	39.7	8.0	5.4 5.0 3.7	50.8 50.2	0.2 0.2 0.3	12.2	116.2 117.5 112.7	196.7 204.8	40.9 54.1 65.5	39.7 45.1 41.7	53.0 53.1
2007 2008	33.3	54.1	45.1 41.7	8.9	5.0	50.2	0.2	8.1 8.9	117.5	204.8	54.1	45.1	53.1
2006	43.1 37.5	66.3	41.7	10.0 10.1	4.0	48.1 51.4	0.3	0.9 7.9	115.1	221.3 218.9	66.3	41.7	51.4 54.8
2009 2010	37.5 39.1	66.3 72.9	43.2	10.1 7.8	4.4	49.7	(s) 0.2	7.9 9.3	114.4	218.9 226.4	66.3 72.9	43.4	54.8 53.6
2011	32.1	74.0	45.6	6.9 6.2	3.7	50.0	0.2	6.2	112.7	218.8	74.0 71.5	46.2	53.7 55.3
2012 2013	35.6 34.2	71.5 84.5	45.5 44.7	6.2 7.5	4.5 4.1	51.6 50.6	(s) (s) (s)	8.9 5.7	116.7 112.7	223.8 231.4	71.5 84.5	46.2 45.8	55.3 54.4
2013	33.1	83.9	44.4	7.5 7.2 6.3	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	114.5 115.7	218.7	83 4	46.1	57.6
2016	26.7 26.1	85.0 85.3	42.5	7.0 6.7	4.7 4.7	54.2 53.5	(s) (s) 0.1	4.8	113.3	225.0 R 224.2	85.0 85.3	44.0 43.3	58.4 57.7
2017 2018	26.1 27.6	85.3 95.5	41.9 44.8	6.7 7.6	4.7 3.8	53.5 53.5	0.1	5.8 R 5.6	R 115.7	224.2	95.3 95.5	43.3 46.2	57.7 57.6
2019	31.4	95.5 97.4	45.1	9.0	4.1	53.5 51.8	0.1	R 6.2	113.3 112.7 R 115.4 116.2 R 119.8	238.5 R 245.1 R 232.7	95.5 97.4	46.4	57.6 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 T	54.1
2021 2022	21.6 24.8	96.8 103.2	R 45.5 45.5	7.4 7.3	4.0 4.2	55.0 54.0	0.1 0.1	7.7 7.6	R 119.3 118.1	R 237.6 246.1	96.8 103.2	R 46.1 46.1	59.3 58.2
2022	24.0	103.2	45.5	7.3	4.2	54.0	0.1	7.0	110.1	240.1	103.2	70.1	30.2

^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)

							Renewable en	ergy							
					Bior	nass							Net		
Year	Nuclear electric power	Hydro- electric power ^{e,f}	Wood and waste ^{f,g}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co- products ⁱ	Total ^f	Geo- thermal ^f	Solar ^{f,j}	Wind	Total ^f	interstate flow of electricity ^k	Electricity net imports	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 R (s) R -4.5 R -5.8 R -2.6 R 6.8 R 5.7	0.0	R 126.3
1965 1970	0.0 0.0	R 13.2 R 22.4	1.1 1.1	NA NA	NA NA	NA NA	NA NA	1.1 1.1	0.0 0.0	NA NA	NA NA	R 14.3 R 23.6	^H (s) R -4.5	0.0 0.0	R 136.8 R 165.0
1971	0.0	R 26.5 R 25.4	1.1	NA	NA	NA	NA	1.1	0.0	NA	NA NA	R 27.6	R -5.8	0.0	R 166.1 R 175.1
1972	0.0	R 25.4	1.2 1.3	NA NA	NA	NA	NA	1.2	0.0	NA	NA	H 26 6	R -2.6	0.0	R 175.1
1973 1974	0.0 0.0	R 16.5 R 19.3	1.3	NA NA	NA NA	NA NA	NA NA	1.3 1.3	0.0 0.0	NA NA	NA NA	R 17.8 R 20.6	H 6.8	0.0 0.0	R 172.8 R 168.0
1975	0.0	H 27 N	1.3 1.5	NA	NA	NA	NA	1.5	0.0	NA	NA	H 28.5	R-12.1 R-14.8 R-3.3 R-8.9 R-3.1 R(s) R 1.8	0.0	R 176.8 R 190.5 R 193.0 R 200.8 R 199.9 R 185.7 R 174.2
1976 1977	0.0	R 24.1 R 18.1	1.7 1.9	NA NA	NA NA	NA NA	NA NA	1.7	0.0 0.0	NA NA	NA NA	R 25.7 R 20.0	H ₋ 14.8	0.0	H 190.5
1977	0.0 0.0	R 23.3	1.9 2.0	NA NA	NA NA	NA NA	NA NA	1.9 2.0	0.0	NA NA	NA NA	R 25.3	R -8 9	0.0 0.0	R 200 8
1979	0.0	R 21 7	2.0 2.0	NA	NA	NA	NA	2.0 2.0	0.0	NA	NA	R 25.3 R 23.7	R3.1	0.0	R 199.9
1980 1981	0.0	R 19.9 R 18.1	3.3 3.1	NA 0.1	NA NA	NA	NA	3.3 3.2	0.0	NA NA	NA NA	R 23.2 R 21.3	H (s)	0.0	H 185.7
1982	0.0 0.0	H 18.1	3.1	0.1	NA NA	NA NA	0.0	3.2	0.0 0.0	NA NA	NA NA	H 22 2	n 3 8	0.0 0.0	R 185 6
1983	0.0	R 18.5 R 18.9 R 19.5 R 18.2	3.5 3.4	0.3	NA	NA	0.0	3.7	0.0	NA	0.0	R 22.6 R 23.9 R 22.7	R 9.9 R 6.5	0.0	R 185.6 R 179.2 R 182.9 R 189.6
1984 1985	0.0	H 19.5	4.0	0.3	NA	NA	0.0	4.4	0.0	0.0	0.0	H 23.9	H 6.5 P 10.7	0.0	H 182.9
1985 1986	0.0 0.0	H 18.2	4.1 4.1	0.3 0.5	NA NA	NA NA	0.0 0.0	4.5 4.6	0.0 0.0	0.0	0.0 0.0	R 24.1	H 10.7	0.0 0.0	1189.6 R 189.7
1986 1987	0.0	R 19.6 R 18.4	3.6	0.5	NA	NA	0.0	4.1	0.0	0.0 0.0	0.0	R 24.1 R 22.5	R 13.4 R 29.4 R 15.7	0.0	R 189.7 R 190.7
1988	0.0	H 18 N	3.8	0.5	NA	NA	0.5	4.8	0.0	0.0	0.0	Н 22 В	R 15.7	0.0	H 201 3
1989 1990	0.0 0.0	R 15.6	3.3 2.2 2.3 2.4	0.6 0.5	NA NA	NA NA	0.5 0.5	4.4 3.2	0.1 0.2	(s) (s)	0.0 0.0	R 20.1 R 16.8	R 21.0 R 6.9 R 9.5	0.0 0.0	R 209.5 R 192.4 R 189.4 R 194.3
1991	0.0	R 13.4 R 13.1	2.3	1.1	NA	NA	0.5	3.9	0.2	(s)	0.0	R 16.8 R 17.2	_R 9.5	0.0	R 189.4
1992	0.0	H 123	2.4	1.5	NA	NA	0.5	4.4	0.2	(s)	0.0	H 16 Q	H 11 1	0.0	R 194.3
1993 1994	0.0 0.0	R 8.8 R 17.5	2.1 2.1	1.6 1.9	NA NA	NA NA	0.5 0.8	4.3 4.8	0.2 0.2	(s) (s)	0.0 0.0	R 13.3 R 22.5 R 25.4	R 26.6 0.6	0.0 0.0	R 214.3 R 204.7
1995	0.0	R 20.5 R 27.2 R 30.7	2.1	1.8	NA	NA	0.8	4.7	0.2 0.3	(s)	0.0	R 25.4	H_31	0.0	R 204.6 R 209.7 R 204.3 R 206.4
1996	0.0	R 27.2	2.1 2.2 1.9	1.2	NA	NA	0.8	4.2 4.0	0.3	(s)	0.0 0.0	H 31 7	R -8.3 R -22.5 R -2.2	0.0	R 209.7
1997 1998	0.0 0.0	R 19.6	1.9 1.6	1.4 1.6	NA NA	NA NA	0.7 0.9	4.0 4.1	0.3 0.4	(s) (s)	0.0 0.0	R 35.0 R 24.2	R -22.5	0.3 -0.1	R 204.3
1999 2000	0.0	R 22.8 R 19.5	1.7	1.8	NA	NA	0.9	4.4 4.7	0.4	(s)	0.0 0.0	R 27.6 R 24.6	R -12.3 R -3.0	0.8	R 212.1 R 226.4
2000	0.0	R 19.5	1.8	1.9	ŅĄ	NA	1.0	4.7	0.4	(s)	0.0	R 24.6	R -3.0	(s) (s)	R 226.4
2001 2002	0.0 0.0	R 11.7 R 14.9	1.8 1.7	1.8 2.1	(s) (s)	NA NA	1.5 3.7	5.1 7.4	0.5 0.5	(s)	R (s)	R 17.3 R 22.8	^п 22.5 В 22.7	(s) (s)	R 231.5 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 35.5	R 22.5 R 22.7 R 22.2 R 29.0	0.0	R 249.7 R 262.9
2004	0.0	H 123	1.8	1.9	(s)	NA	18.2	21.9	0.7	(s)	R (s) R (0.2 R 0.2 R 0.5 R 0.5 R 0.5	R 35.5	R 29.0	(s) (s)	R 262.9
2005 2006	0.0 0.0	R 10.5 R 11.6	1.5	2.3	0.1	NA NA	24.4 31.6	28.4 35.5	0.8	(s)	n 0.5 R o s	R 40.2 R 48.4	R 45.2 R 41.5 R 54.2 R 47.9	(s) 0.0	R 283.4 R 286.6 R 308.8
2007	0.0	H 10 0	1.4 1.5	2.2 2.9	0.2 0.3	NA	33.6	38.3	0.9 0.9	(s)	R 0.5	H 49 7	R 54.2	(s)	R 308.8
2008	0.0	H 10.2	1.7 2.1 2.3 2.6	3.3	0.3	NA	44.4	49.6	1.5	(s)	R 0.5 R 1.4 R 4.7	H 61 8	R 47.9	0.0	H 331 0
2009 2010	0.0 0.0	R 15.1 R 17.9	2.1	3.4 3.9	0.3 0.2	NA NA	51.3 56.3	57.2 62.7	1.6 1.7	(s)	7 1.4 R 4 7	R 75.3 R 87.0	R 36.3 R 21.1 R 4.6	(s) 0.0	R 330.5 R 334.5
2011	0.0	н 22 5	2.6	3.7	0.8	0.0	55.1	62.3	2.0	(s)	R 9.1	H 95.9	R 4.6	(s)	H 319 3
2012	0.0	R 20.4 R 13.9	2.3 2.8	3.8 3.8	0.8	0.0	52.7 54.8	59.6 62.7	1.9 1.9	(s)	R 9.1 R 8.0 R 9.2 R 8.0	R 89 9	R 10.4	0.0 0.0	R 324.1 R 347.2
2013 2014	0.0 0.0	n 13.9 R 10.0	2.8	3.8 3.9	1.3 1.1	0.0 0.0	54.8 55.9	62.7 63.8	1.9 1.9	(s)	n 9.2 R o n	R 87.6 R 92.4	n 28.1 R 20.6	0.0 0.0	П 347.2 В 244 Б
2014	0.0	R 18.8 R 16.5	2.8 3.0	4.1	1.0	0.0	59.6	67.7	1.9	(s)	H Q E	H Q/1 7	R 10.4 R 28.1 R 20.6 R 30.8	0.0	R 344.5 R 344.1
2016	0.0	H 16 4	2.7 2.7	4.2	1.4	0.0	60.2	68.5 70.7	1.9	(s)	R 12.7 R 10.1 R 9.7 R 9.5	R 99 5	R 12.8 R 19.4	0.0	R 337.2 R 344.2
2017 2018	0.0 0.0	R 17.9 R 21.4	2.7 3.8	4.1 4.1	1.2 1.1	0.0 0.0	62.8 64.5	70.7 73.5	1.9 1.9	(s)	ⁿ 10.1	R 100.7 R 106.4	^H 19.4 R 8.8	0.0 0.0	n 344.2 R 353 o
2019	0.0	R 27 0	3.3	4.1	0.9	0.0	63.8	72.1	1.9	(s)	R 9.5	R 110.5	R -4.8	0.0	R 353.8 R 350.8
2020	0.0	R 19.9	3.3 R 2.8	3.9	1.4	0.0	61.0	72.1 R 69.1	1.9	(s)	n 18 9	R 109.8	R -4.8 R -3.7 R -16.9	0.0	H 338.8
2021 2022	0.0 0.0	R 17.0 14.5	R 3.0 3.9	4.3 4.3	1.0 1.0	0.0 0.0	68.3 69.3	R 76.6 78.5	1.9 1.9	(s)	R 31.8 35.1	R 127.3 130.0	^H -16.9 -17.8	0.0 0.0	R 348.0 358.4
2022	0.0	14.5	5.9	4.0	1.0	0.0	03.3	70.5	1.9	(s)	JJ. I	130.0	-17.0	0.0	550.4

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

separately identified.

† There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy

sources beginning in 1989.

9 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.

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

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.

| Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per

kilowatthour.

NA = Not available.

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

Total Month Total Month Mont	_						Petroleum					Bior	nass						
Thousand Design Thousand Design Thousand barrels Thousand		Coal			HGL [©]				Other ^f	Total						Electricity		Electrical	
1970 37 32 4.27 2.712 1,173 9.903 57 1,175 19.448 35 2,003 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005 2,005	Ye					1	housand barrels	3			kilowatt-	and	and co-		Solar ^{h,k}	kilowatt-	End use h,m	energy	Total h,m
1980																			
1980 228 255 5.507 3.691 1.097 8.986 60 1.054 20.795 0 5.348 5.208 5.208 5.208 5.208 5.208 5.208 5.208 5.208 5.208 5.208 5.208 5.208 5.208 5.208																			
2000 694 34 5,900 2,597 1,024 10,304 133 1,964 21,921 0 8,283 8,283 8,283 8,283 8,283 8,283 8,283 8,283 8,283 8,283 8,283 8,381																			
2006 278 39 6,788 2,201 996 10,273 62 2,010 22,341 0 9,611 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 0,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056 1,056											-								
2007 273 50 7,682 2-409 880 10,330 35 1,244 22,469 0 10,080 10,080 10,080 10,080 10,080		278	39					62		22,341	0								
2008 203 63 7,165 2,679 699 10,075 45 1,387 22,658 0 10,974 2010 108 272 2732 777 10,788 23 1,200 22,2658 0 11,000 1,200 1,00											-								
2009 132 65 7.228 2.732 707 10.768 23 1.200 22.658 0 11.010 1.001 1.001 1.001 1.001																			
2010											-						==		
2011 188 72 7,979 1,806 651 10,608 39 954 22,037 0 11,806 2013 205 68 7,986 1,625 791 10,931 (s) 1,869 22,704 0 11,734 12,210 12,733 206 78 7,930 1,964 720 10,749 2 884 22,226 0 12,210 12,210 10,749 1,835 884 10,737 4 870 1,806 1																			
2013 206 78 7,390 1,994 720 10,749 2 894 22,249 0 12,210 12,210 2014 215 77 7,878 1,883 994 10,973 4 870 22,592 0 12,055 2015 197 73 7,954 1,638 994 11,390 5 891 1,2806 0 12,102											0								
2014 215 77 7.878 1.883 984 10.973 4 870 22.592 0 12.585 2015 197 73 7.964 1.638 928 11.390 5 891 22.806 0 12.102 2016 212 73 7.631 1.818 836 11.553 8 8745 82.592 0 12.100 2017 224 75 75.12 1.748 825 11.415 9 898 82.2407 0 12.100 2018 11.100 11.10											-								
2015 197								_			-								
2016 212 73 7,631 1,818 836 11,553 8 8745 822,552 0 12,130 2017 224 75 7,512 1,748 825 11,415 9 898 82,447 0 12,314 2018 181 80 7,997 1,983 666 11,404 8 899 82,248 0 12,867 2020 193 76 9,138 1,915 668 10,703 10 81,093 72,235 0 12,696 12,696 2020 193 76 9,138 1,915 1,993 712 11,748 9 81,206 82,350 0 13,041 2020 220 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,467 2020 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,467 2020 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,467 2020 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,467 2020 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,467 2020 263 84 7,953 1,902 748 11,531 9 1,193 83,336 0 13,467 2020 263 84 7,953 1,902 748 11,531 9 1,193 83,336 0 13,467 2020 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,467 2020 253 208 17,1 5,3 6,1 45,0 0,4 12,0 85,9 80,1 1,5 1											•								
2017 224 75 7.512 1.748 825 11.415 9 888 82.2978 0 12.314 2018 181 80 7.997 1.983 666 11.404 8 8.959 82.2918 0 12.657 2019 218 81 8.028 2.335 720 11.058 9 9 9 7.947 7.23.088 0 12.669 2021 220 78 7.918 1.915 668 10.703 10 7.918 7								-		R 22,592	•								
2019 218								9	R 898	R 22 407	0								
2020 193 76 9,138 1,915 668 10,703 10 81,093 72,3256 0 12,696 2021 220 78 87,915 1,939 712 11,748 9 81,206 823,500 0 13,0467 2022 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,0467 13,0467 13,0467 13,0467 13,0467 13,0467 13,0467								-		R 22,918	-								
2021 220 78 87,915 1,939 712 11,748 9 81,206 823,530 0 13,041 2022 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0 13,041 2022 263 84 7,953 1,902 748 11,531 9 1,193 23,336 0										H 23,098	-								
1960 2.5 20.8 17.1 5.3 6.1 45.0 0.4 12.0 85.9 8.0 1.5 1.5 NA NA NA NA 9.6 8.15.5 8.16.5 1.96.5				9,138 R _{7,015}					R 1 206		-								
1960								-	1,193		-								
1970 0.7 32.1 25.2 10.4 6.3 52.0 0.4 7.5 101.8										Trillion	Btu								
1970 0.7 32.1 25.2 10.4 6.3 52.0 0.4 7.5 101.8	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
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 F30.1 F192. 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 F30.7 F326. 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 F58.9 F326. 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 F57.7 F326. 2008 3.5 62.8 41.4 10.0 3.7 51.4 0.3 8.9 115.7 0.0 1.5 53.6 0.9 (s) 36.2 246.6 F62.2 162.0 0.0 1.5 1.5 32.4 1.5 (s) 37.4 267.3 F63.7 F326. 2009 2.3 65.4 41.8 10.1 4.0 54.8 0.1 7.9 118.7 0.0 1.7 44.4 1.5 (s) 37.6 267.3 F63.7 F331. 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 F42.8 F331. 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 F27.1 F331. 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) 49.0 290.4 F33.6 F331. 2013 3.4 80.3 45.7 7.5 4.1 54.4 (s) 5.7 7.1 11.5 0.0 2.8 54.8 1.9 (s) 41.7 302.4 F44.7 F347. 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) 41.3 306.8 F37.5 F34.2 2016 3.3 7.9 3.4 3.3 7.9 3.4 3.3 7.9 3.4 3.5 7.0 2.5 6.5 55.5 (s) 5.6 119.4 0.0 2.8 55.9 1.9 (s) 41.3 306.8 F37.5 F34.2 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) 41.3 306.8 F37.5 F344.2 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) 43.9 F32.5 F33.4 2017 3.7 7.9 3 43.2 6.7 4.7 57.7 0.1 58.4 (s) 4.8 118.9 0.0 2.7 60.2 1.9 (s) 43.9 F32.5 F33.6 F33.4 2017 3.7 7.5 46.1 7.6 3.8 57.6 0.1 F5.6 12.0 0.0 F3.8 64.5 1.9 (s) 43.3 F318.9 F319.9 F33.4 2019 3.7 F3.5 F3.6 0.1 F3.6 12.0 0.0 F3.8 64.5 1.9 (s) 43.3 F318.9 F319.9 F33.4 2019 3.7 F3.5 F3.6 0.1 F3.6 12.0 0.0 F3.8 64.5 1.9 (s) 43.3 F318.9 F319.9 F33.4 2019 3.7 F3.5 F3.6 0.1 F3.6 12.0 0.0 F3.8 64.5 1.9 (s) 43.3 F318.9 F319.9 F33.4 2019 3.7 F3.5 F3.6 0.1 F3.6 12.0 0.0 F3.8 64.5 1.9 (s) 43.3 F318.9 F319.9 F33.4 2019 3.7 F3.5 F3.6 0.1 F3.6 0.1 F3.6 0.0 F3.8 64.5 1.9 (s) 43.3 F318.9 F319.9 F33.4 2019 3.7 F3.5 F3.6 0.1 F3.6 0.1 F3.6 0.0 F3.8 64.5 1.9 (s) 43.3 F318.9 F319.9 F33.4 2019 3.7 F3.5 F3.6 0.1 F3			32.1	25.2	10.4												R 145.4	R 19.6	R 165.0
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. 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 57.7 R 286. 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. 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 62.2 246.6 R																		H 36.9	R 185.7
2005																			'' 192.4 B ooe 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 8 5.7.7 8 286.1 2007 4.6 48.8 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 R62.2 R 308.1 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 R63.7 R331. 2010 2.9 71.3 43.3 7.8 4.4 53.6 (s) 9.3 118.7 0.0 2.1 51.3 1.6 (s) 37.6 278.9 R51.6 R331. 2010 2.9 71.3 43.3 7.8 4.4 53.6 (s) 9.3 118.7 0.0 2.1 51.3 1.6 <td></td> <td>R 283 4</td>																			R 283 4
2007																		R 57.7	R 286.6
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		4.6				5.0			8.1		0.0	1.5						R 62.2	R 308.8
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 R42.8 R34.1 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 R21.1 R319.1 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 R33.6 R324.1 2013 3.4 89.3 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 R44.7 R347.1 R319.1 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 R3.9 R344.1 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 R37.5 R34.1 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 R31.6 R337.2 81.6 R34.1 2017 3.7 79.3 43.2 6.7 4.7 57.7 0.1 5.8 R118.2 0.0 2.7 60.2 1.9 (s) 41.4 305.7 R31.6 R337.2 81.6 R34.1 2018 3.0 85.7 46.1 7.6 3.8 57.6 0.1 R5.6 120.7 0.0 3.8 64.5 1.9 (s) 43.9 R32.5 R30.6 R34.2 2019 3.7 87.5 46.2 9.0 4.1 55.9 0.1 R5.2 R12.7 0.0 3.8 64.5 1.9 (s) 43.9 R32.5 R30.6 R35.1 R30.0																			R 331.0
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2020 3.3 81.7 52.6 7.4 3.8 54.1 0.1 7.1 R125.0 0.0 R2.8 61.0 1.9 (s) 43.3 R318.9 R19.9 R338.9 2021 3.6 84.7 R45.6 7.4 4.0 59.3 0.1 7.7 R124.2 0.0 R3.0 68.3 1.9 (s) 44.5 R330.2 R18.0 R348.3									R 6.2	R 121.4								R 25.6	R 351.1
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.	2020	3.3	81.7	52.6		3.8	54.1	0.1		H 125.0	0.0	R 2.8	61.0	1.9		43.3	R 318.9	R 19.9	R 338.9
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 19.4 358.1																	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.

Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

⁹ 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.

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

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

k Solar thermal and photovoltaic energy.

¹ 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

				Petr	oleum		Biomass						
	Coal ^a	Natural gas ^b	Distillate fuel oil	HGL °	Kerosene	Total				Electricity ^g		Electrical system	
Year	Thousand short tons	Billion cubic feet		Thousar	nd barrels		Wood ^d	Geothermal ^e	Solar ^{e,f}	Million kilowatthours	End use e,h	energy losses i	Total e,h
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 1985	4	11	762	1,150	10	1,922 1,501				2,623 2,769			
1985	4	11 10	772	694 1,709	35 4	2,648				2,769 2,866			
1995	1	13	936 501	1,366	4	1,871				3,268			
2000	(s)	13	351	1,643	4	1,997				3,423			
2005 2006	(s)	13 12 12	229 219	1,230	3	1.462				3,973			
2006	(s)	12	219	1,136	2	1,462 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 2010	0	14	126 127	1,569 1,313	1 2	1,696 1.442				4,511 4,628			
2010	0	13 13	127	1,259	2	1,442				4,626 4,646			
2012	0	11	100	1,050	(s)	1,159				4,454			
2013	Ŏ	14	93	1,213	(s)	1,306				4,824			
2014	Ö	14	93 85 82 73	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 2019	0	14 15	114 92	1,237 1,528	(s) (s)	1,351 1,620				5,018 5,057			
2019	0	13	73	1,127	(5)	1,200				5,070			
2021	0	13 12	73 89	1,122	i	1,212				5,044			
2022	Ö	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 7.6	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	0.8 0.7	NA	NA	5.4	32.4	R 11.1	R 35.1 R 43.5 R 45.2
1975	0.1	12.0	3.3	7.6	(s)	10.9	0.7	NA	NA	7.1	30.8	R 14.4	H 45.2
1980	0.1	10.5	4.4	4.4 2.7	0.1	8.9	2.5 3.2	NA	NA	8.9	31.0	R 19.0 R 19.2	R 50.0 R 50.8
1985 1990	0.1	11.5 10.4	4.5 5.5	2.7 6.6	0.2	7.4 12.0	3.2 1.8	NA (a)	NA (s)	9.4 9.8	31.6 34.0	H 19.2	R 47.6
1995	(s)	12.8	2.9	5.2	(s) (s)	8.2	1.6	(s) (s)	(S)	11.2	34.0 33.7	R 13.6 R 10.5 R 12.7	H 47.0
2000	(s)	12.7	2.0	6.3	(s)	8.4	1.3	0.1	(s)	11.7	34.0	R 12.7	R 44.2 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 23.2 R 25.0	R 57.1 R 55.4 R 59.2
2006	(s)	11.5	1.3	4.4 4.9	(s)	5.7	1.0	0.2 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	H 25.0	H 59.2
2008	0.6	13.6	1.3	6.5	(s)	7.8	1.3 1.7	0.3	(s)	15.0	38.1	R 25.6 R 21.2	H 63.7
2009	0.0	13.6 12.9	0.7	6.0	(s)	6.8	1./ 1.8	0.4	(s)	15.4	37.9	R 17.5	n 59.0
2010 2011	0.0 0.0	13.0	0.7 0.7	5.0 4.8	(s)	5.8 5.5	1.8	0.4 1.0	(s)	15.8 15.9	36.7 37.1	R 10.8	R 63.7 R 59.0 R 54.2 R 47.9 R 45.7
2012	0.0	10.9	0.7	4.0	(8)	5.5 4.7	1.7	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	H 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 56.2 R 54.0
2015	0.0	12.4	0.5	3.9	(s)	4.4	2.0	0.6	(s)	15.6	35.1	H 14 2	R 49.2 R 47.1
2016	0.0	12.3	0.4	4.3	(s)	4.8	1.6	0.6	(s)	15.8	35.1	R 12.0	H 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 _ 2.2	0.6	(S)	17.1	40.9	R 11.9	R 52.9 R 52.6
2019	0.0 0.0	16.0	0.5 0.4	5.9	(s) (s)	6.4	2.2 R 1 2	0.6	(s) (s)	17.3	42.5 R 38 2	" 10.1 Rec	R 46.2
2020 2021	0.0	14.2 13.4	0.4	4.3 4.3	(S) (S)	4.7 4.8	R 1.3 R 1.1	0.6 0.6	(S)	17.3 17.2	R 38.2 R 37.2	R 10.1 R 8.0 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	R 46.2 R 44.1 49.0
	0.0		0.0	0	(3)		0	0.0	(3)	. 3.2	0	•••	.0.3

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.

There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
 Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial

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

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

					Pet	roleum			Lludua	Biomass						
	Coal	Natural gas ^a	Distillate fuel oil	HGL ^b	Kerosene	Motor gasoline ^c	Residual fuel oil	Total ^d	Hydro- electric power ^{e,f}			Solar ^{f,h}	Electricity i		Electrical	
Year	Thousand short tons	Billion cubic feet			Thous	and barrels			Million kilowatthours	Wood and waste ^{f,g}	Geothermal f	Mill kilowat		End use ^{f,j}	system energy losses ^k	Total ^{f,j}
										Walter -	Godinerman			Life doc -	100000	Total ·
1960 1965	50 29	7 9	226 269	202 227	0	37 46	16 8	480 549	NA NA		 	NA NA	409 645			
1970	14	11	303	381	0	50	16	750	NA			NA	937			
1975 1980	17 13	11 9	228 365	378 221	0	58 65	20 19	684 670	NA NA		 	NA NA	995 1,139			
1985 1990	13	10 9	288 242	133 328	1	98 78	19 24	539 672	NA 0			NA 0	1,863			
1990	2 6	11	301	328 262	(s) 1	11	24	577	0		 	0	1,811 2,424			
2000	1	10	195	315	1	11	69	591	0			0	2,857			
2005 2006	i	10 10	204 158	185 204	3 1	12 12	(s)	404 376	0		 	0	3,998 4,054			
2007	1	10	225	289 342	(s)	12 12	12	538 529	0			0	4,181			
2008 2009	9 7	11 12	166 172	342 425	(s) (s)	12	9	529 611	0		 	0	4,240 4,238			
2010	8	11	195	358	(s)	12 12 12	2	568	0			Ö	4,368			
2011 2012	0	11 9	232 178	242 216	(s) (s)	12 12	(s) (s)	487 406	0		 	0	4,447 4,557			
2013	0	12	169	216	(s)	12 12	(s)	397	Ō			, 0	4,662			
2014 2015	0	12 10	144 134	318 184	(s) (s)	12 129	0	474 447	0			(s) (s)	4,572 4,749			
2016	ŏ	10	120	226	(s)	132	Ö	478	ŏ			(s)	4,698			
2017 2018	0	11 13	106 114	285 240	(s) (s)	133 132	0 8	525 494	0		 	(s) (s)	4,723 4,903			
2019	ő	13	144	215	(s)	133	9	502	ő			(s)	4,888			
2020	0	12	224	219	(s)	133	10	586	0			1	4,696			
2021 2022	0	11 13	142 151	186 165	(s) (s)	134 150	6 6	468 472	0			1	4,792 4,936			
								Tri	lion Btu							
1960	1.0 0.6	7.5	1.3	0.8	0.0	0.2	0.1	2.4 2.7	NA	(s)	NA	NA	1.4	12.2	R 2.8	R 15.0
1965 1970	0.6	8.8 11.4	1.6 1.8	0.9	0.0 0.0	0.2 0.3	(s) 0.1	2.7 3.6	NA NA	(s) (s)	NA NA	NA NA	2.2 3.2	14.3 18.5	R 4.3 R 6.5	H 18 6
1975	0.3 0.3	11.5	1.3	1.5 1.5	0.0	0.3	0.1	3.2	NA	(s)	NA	NA	3.4	18.4	R 6.9	R 25.0 R 25.3
1980	0.2	8.5	2.1	0.8	0.0	0.3 0.5	0.1	3.4	NA NA	0.1 0.1	NA NA	NA NA	3.9	16.1 19.6	R 8.3	H 24 4
1985 1990	0.3 (s)	10.1 8.7	1.7 1.4	0.5 1.3	(s) (s)	0.5	0.1 0.2	2.8 3.2	0.0	0.1	0.1	0.0	6.4 6.2	18.4	R 12.9 R 8.6	R 32.5 R 27.1
1995	(s) 0.1	10.8	1.8	1.0	(s)	0.1	(s) 0.4	2.8	0.0	0.2	0.2	0.0	8.3	22.4	H 7.8	H 30.2
2000 2005	(s) (s)	10.2 9.9	1.1 1.2	1.2 0.7	(s)	0.1 0.1	0.4 (s)	2.8 2.0	0.0 0.0	0.2 0.2	0.3 0.6	0.0 0.0	9.7 13.6	23.3 26.3	R 10.6 R 24.0	R 33.9 R 50.4
2006	(s)	9.6	0.9	8.0	(s)	0.1	(s)	1.8	0.0	0.2	0.7	0.0	13.8	26.0	R 23.3 R 24.5 R 24.6	R 49 3
2007 2008	(s) 0.2	10.4 11.4	1.3 1.0	1.1 1.3	(s)	0.1 0.1	0.1 0.1	2.6 2.4	0.0 0.0	0.2 0.2	0.7 0.8	0.0 0.0	14.3 14.5	28.1 29.5	H 24.5	R 52.6 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	ⁿ 19.9	ⁿ 50.0
2010	0.2 0.0	11.1	1.1	1.4 0.9	(s)	0.1	(s)	2.6	0.0	0.2	1.0 0.7	0.0	14.9	30.0	R 16.5 R 10.3	R 46.5 R 40.0
2011 2012	(s)	11.2 9.5	1.3 1.0	0.8	(s) (s)	0.1 0.1	(s) (s)	2.3 1.9	0.0 0.0	0.2 0.2	1.0	0.0 0.0	15.2 15.5	29.6 28.2	n 13 1	n 41 2
2013	Ô.Ó	12.5	1.0	0.8	(s)	0.1	(s) 0.0	1.9	0.0	0.2	1.0	0.0	15.9	31.5	R 17.1 R 14.4	H / R F
2014 2015	0.0 0.0	12.8 11.0	0.8 0.8	1.2 0.7	(s) (s)	0.1 0.7	0.0	2.1 2.1	0.0 0.0	0.2 0.3	1.0 1.0	(s) (s)	15.6 16.2	31.7 30.6	H 14.7	R 46.1 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	H 42 8
2017 2018	0.0 0.0	11.4 13.4	0.6 0.7	1.1 0.9	(s) (s)	0.7 0.7	0.0 0.1	2.4 2.3	0.0 0.0	0.3 0.4	1.0 1.0	(s) (s)	16.1 16.7	31.1 33.8	R 13.0 R 11.7	R 44.2 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 11.7 R 9.7	D 1/1 G
2020 2021	0.0 0.0	12.8 12.4	1.3 0.8	0.8 0.7	(s) (s)	0.7 0.7	0.1 (s)	2.9 2.2	0.0 0.0	0.3 0.2	1.0 1.0	(s) (s)	16.0 16.3	32.9 32.2	R 7.4 R 6.6	R 40.3 R 38.8
2022	0.0	14.2	0.9	0.6	(s)	0.7	(s)	2.3	0.0	0.3	1.0	(s)	16.8	34.6	7.1	41.7
												o and Total For 1				

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

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.

b Hydrocarbon gas liquids, assumed to be propane only.

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

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.

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

Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the

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

Th	Coal Thousand hort tons 5 4 5 9 127 279 223 393 602 277	Natural gas a Billion cubic feet	1,780 2,177 2,332 1,635	HGL b	Motor gasoline c Thousand	Residual fuel oil	Other ^d	Total	Hydro- electric power ^{e,f}		Losses		Solar ^{f,i}	Electricity ^j		Electrical system	
Year sh 1960 1965 1970 1975 1980 1985 1990 1995 2000	5 4 5 5 59 127 279 223 393	cubic feet 5 5 7 6	2,332	108	2.615	d barrels			M*****								
1965 1970 1975 1980 1985 1990 1995 2000	5 59 127 279 223 393	7	2,332	108	2,615				Million kWh	Wood and waste ^{f,g}	and co- products ^h	Geo- thermal ^f		llion Wh	End use f,k	energy losses	Total ^{f,k}
1970 1975 1980 1985 1990 1995 2000	5 59 127 279 223 393	7	2,332	108		35 15	816	5,339 5,397	20 38				NA	258 246			
1975 1980 1985 1990 1995 2000	59 127 279 223 393				2,455 2,209	15 35	642 911	5,397 5,784	38 35				NA NA	246 281			
1980 1985 1990 1995 2000	127 279 223 393	5 4		298 527	1,626	52	884	4,725	36				NA NA	994			
1990 1995 2000	223 393	4	1.640	1,090	1,473	52 95	646	4,943	32				NA	1,322			
1995 2000	393		1,734 2,377	389 1,632	694 489	16 36	850 797	3,683 5,330	32	==			NA 0	1,019 1,657		==	
2000	602	7	2,202	652	534	11	847	4,246	0				0	1,722			
2005		5	1,930	625	418	63 62	1,746	4,783	Ō				Ö	2,003			
0000	277	11	1,804	773	791	62	1,836	5,266	0				0	1,840			
2006 2007	275 272	11 21	1,696 2,108	818 830	845 557	28 22 36	1,675 1,054	5,062 4,570	0				0	1,952 2,161			
2008	194	33	1,914	592	402	36	1,193	4,136	ŏ				ŏ	2,328			
2009	124	37	1,946	715	420	19	1,062	4,163	0				0	2,260			
2010 2011	162 188	41 41	1,754 2,270	362 299	323 327	0 38	1,287 822	3,726 3,755	0	==			0	2,360 2,586			
2012	202	41	1,965	353	309	0	1.238	3,866	0	==	==		0	2,724			
2013	206	45	2,213	353 527	316	1	1,238 757	3,815	Ö				Ö	2,724			
2014 2015	215 197	45 45	1,885 1,926	400	296 283	4 5	733 _ 752	3,318 3,383	0				0	2,955 2,782			
2015	212	45 45	1,902	418 463	283 257	5 8	R 607	R 3,237	0				0	2,782			
2017	224	46	1,800	404	259	9	R 778	R 3 250	ŏ				ŏ	2,938			
2018	181	47	1,880	487	261	0	R 740	R 3,369	0				0	2,935			
2019 2020	218 193	46 46	1,847 2,732	561 562	250 254	0	R 834 R 981	R 3,492 R 4,529	0				0	2,924 2,929			
2021	220	49	1,852	629	258	3	R 982	R 3,724	ő				ő	3,206			
2022	263	50	1,872	599	265	3	961	3,700	0				(s)	3,208			
									Trillion Bt	u							
1960	0.1	5.3 4.7	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 R 37.9
1965 1970	0.1 0.1	4.7 6.8	12.7	0.4 1.1	12.9 11.6	0.1 0.2	4.2 6.0	30.3 32.5	R 0.1 R 0.1	0.3 0.5	NA NA	NA NA	NA NA	0.8 1.0	R 36.3 R 41.0	R 1.7 R 2.0	R 37.9 R 43.0
1975	1.1	5.8	13.6 9.5	1.1	8.5	0.2	5.9	26.1	R 0.1	0.8	NA NA	NA NA	NA NA	3.4	R 37 3	R 6.9	R 44.2
1980	2.4	5.8 4.7	9.6	1.9 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 1990	4.8 3.9	3.6 6.0	10.1 13.8	1.3 5.6	3.6 2.6	0.1	5.6	20.8 27.5	R 0.1 0.0	0.9	0.0 0.5	NA (a)	NA 0.0	3.5	R 33.7 43.9	R 7.1 R 7.9	R 40.8 R 51.8
1990	3.9 6.8	7.4	12.8	2.3	2.8 2.8	0.2 0.1	5.3 5.6	27.5	0.0	0.2 0.3	0.5	(s) (s)	0.0	5.7 5.9	43.9 44.7	H S S	R 50.3
2000	12.6	5.3	11.2	2.1 2.7	2.2	0.4	11.6	27.5	0.0	0.3	1.0	0.1	0.0	6.8	53.6	R 7 /	R 61.0
2005	4.6	11.3	10.5		4.1	0.4	12.2	29.8	0.0	0.2	24.4	(s)	0.0	6.3	76.6	B 11.1	R 87.7
2006 2007	4.6 4.6	11.0 21.3	9.8 12.2	2.8 2.8	4.4 2.9	0.2 0.1	11.1 7.0	28.3 25.0	0.0	0.2 0.2	31.6 33.6	(s) 0.1	0.0	6.7 7.4	82.4 92.2	R 11.2 R 12.7	R 93.6 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	H 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	H 10.6	R 132.0
2010 2011	2.7 3.1	41.5 41.5	10.1 13.1	1.4 1.1	1.6 1.7	0.0 0.2	8.5 5.4	21.7 21.6	0.0 0.0	0.3 0.7	56.3 55.1	0.3	0.0	8.1 8.8	130.8 131.0	R 8.9 R 6.0	R 139.7 R 137.0
2012	3.4	42.0	11.3	1.4	1.7	0.2	8.2	22.4	0.0	0.7	52.7	0.3	0.0	9.3	130.7	R 7 g	H 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	H 10.0	R 1/6 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		136.1	наз	H 145 4
2015 2016	3.3 3.5	47.3 47.1	11.1 10.9	1.6 1.8	1.4 1.3	(s) (s)	5.0 4.0	19.1 _ 18.1	0.0	0.7 0.7	59.6 60.2	0.3 0.3	0.0 0.0	9.5 9.6	139.8 _ 139.5	R 8.6 R 7.3	R 148.4 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	Rg1	R 152.3
2018	3.0	50.1	10.8	1.9	1.3	0.0	R 4.9	H 19 0	0.0	0.9	64.5	0.3	0.0	10.0	R 147.7	R 7.0	R 154.7
2019 2020	3.7 3.3	49.9 49.1	10.6 15.7	2.2	1.3 1.3	0.0 0.0	5.5 R 6.5	R 19.6 25.6	0.0	0.9	63.8 61.0	0.3 0.3	0.0	10.0 10.0	148.0 150.4	R 5.8 R 4.6	R 153.8 R 155.0
2020	3.5 3.6	52.6	10.7	2.2 2.4	1.3	(s)	R 6.5	20.9	0.0	1.2 1.7	68.3	0.3	0.0	10.0	158.3	R 4.4	R 162.8
2022	4.2	54.0	10.8	2.3	1.3	(s) (s)	6.3	20.8	0.0		69.3	0.3	(s)	10.9	161.2	4.6	165.8

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

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.

Incurred in the generation, transmission, and distribution of électricity 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/

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

^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.

⁹ Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

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

Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in

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

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

						P	etroleum							
	Coal	Natural gas ^a	Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total	Electricity ^f		Electrical system	
Year	Thousand short tons	Billion cubic feet				Thou	sand barrels				Million kilowatthours	End use g,h	energy losses i	Total g,h
960	(s)	(s)	106	362	22	1,145	174	5 909	11	7,729	0			_
965 970 975	(s)	(s)	128 99 77 97	362 635 929 1,337 1,977	22 24 50 57 69	1 111	143 151 140 156	5,909 6,454 7,645 8,952 8,150	1	8,496 10,052 11,618	0			-
970 975	(s) (s)	(s)	99 77	929 1 337	50 57	1,173 1,056 1,311	151	7,645 8,952	6	10,052 11,618	0			-
980	(3)	(s)	97	1,977	69	1,311	156	8,150	Ö	11./60	ŏ			-
985 990	0	(s)	87 93	2,322 2,352 3,203	24 23	1,019 1,097	142	8,487 8,419	0	12,081 12,145	0			-
990 995	0	(s) 3	93 46	2,352 3,203	23 15	1,463	160 152	9 462	(s) 0	12,145 14,341	0			-
በበበ	ŏ	6	51	3,425	14	1 024	163	9,875	Ŏ	14 551	ŏ			-
005	0	6	51 31 51 50 34 21 29 32 29 33 25 25 23 25 24	3,425 4,562 4,752 5,142	13 12	996 945 880	163 137 134 138	9,875 9,470 9,360 9,761	0	15,209 15,254 15,988	0			-
005 006 007	0	5 6	51 50	4,752 5.142	16	945 880	134	9,360	0	15,254	0			-
308	Ö	5	34	4,866 4,985 5,419	41 24	659 707	128 115 105	9,662 10,336 10,242	0	15,390 16,188	Ō			-
009 010	0	3	21	4,985	24 3	707 771	115	10,336	0	16,188 16,569	0			-
)11	0	7	32	5,419	6	651	99	10,242	0	16,369	0			
12	Ŏ	6	32	5,355 5,736 5,456 5,763	6	651 791	99 98 98 103	10,610	0	16,413 17,274 16,732 17,559	Ö			-
13	0	7	29	5,456	8 9	720 984	98	10,421	0	16,732	0			
114 115	0	6	33 25	5,763 5,811	14	928	114	10,666 10,978	0	17,559	0			
16 17	Ö	6	25	5,811 5,536 5,540	13	836 825	114 R 106 96 R 94 R 89	10,978 11,164 11,022	0	17,870 R 17,680 R 17,512	Ö			
17	0	7	23	5,540	4	825	96	11,022	0	H 17,512	0			
18 19	0	7	25 24	5,889 5,945 6,110 R 5,832	19 32	666 720 668 712	R 89	11,010 10,675	0	R 17,703 17,484 R 17,212	0			
119 120 121	Ö	5	25	6,110	7	668	11.86	10,316	0	R 17,212	Ŏ			
)21)22	0	6 6	24 25	^H 5,832 5,833	3 7	712 748	R 89 93	11,356 11,116	0	R 18,127 17,934	0			
022	0	0		3,030		740		illion Btu	0	17,334	0			
960	(s)	(s)	0.5	2.1 3.7	0.1	6.1 6.0	1.1	31.0	0.1	41.0 45.2 53.5 62.0 63.1 65.0	0.0	41.1	0.0	41 45
965	(s)	(s)	0.6	3.7	0.1	6.0	0.9	33.9	(s)	45.2	0.0	45.2	0.0	4!
970 975	(s) (s)	(s) (s)	0.5 0.4	5.4 7.8	0.2 0.2	6.3 5.7	0.9 0.8	40.2 47.0	(s) (s) (s)	53.5 62.0	0.0 0.0	53.6 62.0	0.0 0.0	5
75 180	0.0	0.1	0.5	11.5	0.3	5.7 7.1	0.9	42.8	0.0	63.1	0.0	63.2	0.0	6 6 6
85	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	6
90 95	0.0 0.0	0.1 2.8	0.5 0.2	13.7 18.6	0.1 0.1	5.9 7.9	1.0 0.9	44.2 49.2	(s) 0.0	65.4 77.0	0.0 0.0	66.0 79.8	0.0 0.0	6
90 95 00	0.0	6.3	0.3	19.9	0.1	5.9 7.9 5.8	1.0	51.4	0.0	65.4 77.0 78.4	0.0	84.7	0.0	8
05 06 07	0.0 0.0	5.8 5.4	0.2	26.5	0.1	5.6 5.4	0.8 0.8	49.2	0.0 0.0	82.4	0.0 0.0	88.3 88.3	0.0 0.0	8
)0)7	0.0	5.4 5.7	0.2 0.3 0.3 0.2	26.5 27.6 29.7 28.1	0.1 (s) 0.1	5.4 5.0	0.8	49.2 48.5 50.2	0.0	82.4 82.6 86.1 82.3 86.3 88.4	0.0	92.1	0.0	9
08	0.0	4.7	0.2	28.1	0.2	5.0 3.7	0.8	49.3	0.0	82.3	0.0	87.3	0.0	8 8 9
09 10	0.0 0.0	3.2 5.8	0.1 0.1	28.8 31.3	0.1	4.0 4.4	0.7 0.6	52.6 51.9	0.0 0.0	86.3	0.0 0.0	89.6 94.2	0.0 0.0	8
11	0.0	6.7	0.2	30.9	(s) (s)	3.7	0.6	52.0	0.0	87.4	0.0	94.2	0.0	g
12	0.0 0.0	6.5 7.1	0.2 0.1	33.1 31.4	(s) (s)	4.5 4.1	0.6 0.6	53.7 52.7	0.0	92.1 89.0	0.0 0.0	98.6	0.0	Ş
13 14	0.0 0.0	7.1 5.4	0.1 0.2	31.4 33.2	(s)	4.1 5.6	0.6 0.6	52.7 54.0	0.0 0.0	89.0 93.6	0.0 0.0	96.1 99.0	0.0 0.0	9
15	0.0	6.2	0.1	33.5	(s) 0.1	5.3	0.7	55.5	0.0	95.1	0.0	101.3	0.0	10
16 17	0.0	6.8 6.9	0.1	31.9 31.9	(s) (s)	4.7 4.7	0.6 0.6	56.4 55.7	0.0	93.9 93.0	0.0	100.6	0.0 0.0	10
17 18	0.0 0.0	6.9 7.0	0.1 0.1	31.9 33.9	(s) 0.1	4.7 3.8	0.6 0.6	55.7 55.6	0.0 0.0	93.0 94.1	0.0 0.0	99.9 R 101.1	0.0 0.0	R 10
19	0.0	7.0	0.1	34.2	0.1	3.6 4.1	0.5	53.9	0.0	93.0	0.0	100.1	0.0	10
)19)20	0.0 0.0	7.1 5.6	0.1	34.2 35.2 R 33.6	(s)	4.1 3.8	0.5 0.5	53.9 52.1 57.3	0.0 0.0	93.0 91.7	0.0 0.0	97.3 R 102.5	0.0 0.0	10 9 R 10
)21)22	0.0 0.0	6.2 6.7	0.1 0.1	^H 33.6 33.6	(s) (s)	4.0 4.2	0.5 0.6	57.3 56.1	0.0 0.0	R 96.3 95.3	0.0 0.0	^H 102.5 102.0	0.0 0.0	H 10
	0.0	0.7	U. I	33.0	(5)	4.2	0.0	30.1	0.0	90.3	0.0	102.0	0.0	10

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.

⁹ 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

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

Coal Shirt Shirt Coal Shirt Coal Shirt					Petro	leum				Biomass					
Thousand Sellion Cobi feet Thousand barrels Mallion kilowethbours Waster Mallion kilowethbours Total of Sellion Cobi feet Thousand barrels Total of Sellion Tota		Coal		Distillate fuel oil ^b		Residual fuel oil ^c	Total			Wood	Geothermal ^f	Solar ^{f,g}	Wind ^f	Electricity net imports ^h	
1885	Year				Thousan	d barrels		Million kil	owatthours	and		Million ki	ilowatthours		Total ^{f,i}
1885	1960	246	4	7	0	40	47	0	1.136		0	NA	NA	0	
1885	1965	237	3	8	Ö	47	55		3,835		0	NA	NA	0	
1855	1970	301	4	48	0		318		6,544		-				
1855	19/5	1,804		6/ 58	0		212 67		7,890 5.786			NA NA	NA NA		
1986	1985	2,003		39	0	1	40		5,760			0	NA 0	0	
2011 1,768 2 2 11 0 0 0 21 0 6,508 0 0 2,668 (s) 2012 1,950 2 18 0 0 0 18 0 5,881 0 0 0 2,668 (s) 2013 1,877 4 2 21 0 0 0 22 0 0 5,881 0 0 0 2,888 0 0 2014 1,877 4 2 21 0 0 0 0 23 0 0 4,862 0 0 0 2,888 0 0 2015 980 6 6 38 0 0 0 38 0 0 4,860 0 0 0 2,888 0 0 2016 1,403 7 111 0 0 0 111 0 4,806 0 0 (s) 3,714 0 0 2017 1,355 6 6 15 0 0 0 15 0 5,256 0 0 2 2,988 0 2018 1,483 9 2 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 38 0 0 7,815 0 2 2,835 0 0 2020 1,580 9 9 3 4 0 0 0 9 9 8 0 0 7,815 0 2 2,835 0 0 2021 1,680 9 9 6 6 0 0 0 85 0 4,863 0 2 2,835 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,835 0 0 2022 1,249 12 45 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 (s) 0 0 0 3 0 3 0 3 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,092 11 85 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2024 1,092 1,0	1990	2.345	(s)	32	ŏ	ò	32	ŏ	3.934		-	ŏ	ŏ	ŏ	
2011 1,768 2 2 11 0 0 0 21 0 6,508 0 0 2,668 (s) 2012 1,950 2 18 0 0 0 18 0 5,881 0 0 0 2,668 (s) 2013 1,877 4 2 21 0 0 0 22 0 0 5,881 0 0 0 2,888 0 0 2014 1,877 4 2 21 0 0 0 0 23 0 0 4,862 0 0 0 2,888 0 0 2015 980 6 6 38 0 0 0 38 0 0 4,860 0 0 0 2,888 0 0 2016 1,403 7 111 0 0 0 111 0 4,806 0 0 (s) 3,714 0 0 2017 1,355 6 6 15 0 0 0 15 0 5,256 0 0 2 2,988 0 2018 1,483 9 2 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 38 0 0 7,815 0 2 2,835 0 0 2020 1,580 9 9 3 4 0 0 0 9 9 8 0 0 7,815 0 2 2,835 0 0 2021 1,680 9 9 6 6 0 0 0 85 0 4,863 0 2 2,835 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,835 0 0 2022 1,249 12 45 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 (s) 0 0 0 3 0 3 0 3 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,092 11 85 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2024 1,092 1,0	1995	2,137	`1	48	Ö	0	48	Ö	6,010		0	Ō			
2011 1,768 2 2 21 0 0 0 21 0 6,608 0 0 2,668 (s) 2012 1,950 2 1 18 0 0 0 18 0 5,981 0 0 0 2,564 0 0 2013 1,950 2 1 18 0 0 0 18 0 5,981 0 0 0 2,564 0 0 2014 1,977 4 2 21 0 0 0 23 0 6,608 0 0 0 2,888 0 0 2015 960 6 6 38 0 0 0 38 0 0 4,650 0 0 0 2,888 0 0 2016 1,403 7 111 0 0 0 111 0 4,406 0 0 (s) 3,714 0 0 2016 1,403 7 111 0 0 0 111 0 4,406 0 0 (s) 3,714 0 0 2017 1,355 6 6 15 0 0 0 15 0 5,256 0 0 2 2,958 0 2018 1,483 9 9 204 0 0 0 20 0 5,256 0 0 2 2,958 0 2018 1,483 9 9 204 0 0 0 39 0 5,256 0 0 2 2,835 0 0 2018 1,483 9 9 204 0 0 0 39 0 7,815 0 2 2,285 0 0 2021 1,680 9 9 6 6 6 0 0 0 85 0 4,863 0 2 2,285 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,285 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,092 11 85 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 9,327 0 0 2021 1,249 12 4 6 0 0 0 0 3 0 0 0 1,7 2 0 0 0 1,25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000	2,211	4	136	0	0	136	0	5,716		0	0	0	13	
2011 1,768 2 2 21 0 0 0 21 0 6,608 0 0 2,668 (s) 2012 1,950 2 1 18 0 0 0 18 0 5,981 0 0 0 2,564 0 0 2013 1,950 2 1 18 0 0 0 18 0 5,981 0 0 0 2,564 0 0 2014 1,977 4 2 21 0 0 0 23 0 6,608 0 0 0 2,888 0 0 2015 960 6 6 38 0 0 0 38 0 0 4,650 0 0 0 2,888 0 0 2016 1,403 7 111 0 0 0 111 0 4,406 0 0 (s) 3,714 0 0 2016 1,403 7 111 0 0 0 111 0 4,406 0 0 (s) 3,714 0 0 2017 1,355 6 6 15 0 0 0 15 0 5,256 0 0 2 2,958 0 2018 1,483 9 9 204 0 0 0 20 0 5,256 0 0 2 2,958 0 2018 1,483 9 9 204 0 0 0 39 0 5,256 0 0 2 2,835 0 0 2018 1,483 9 9 204 0 0 0 39 0 7,815 0 2 2,285 0 0 2021 1,680 9 9 6 6 6 0 0 0 85 0 4,863 0 2 2,285 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,285 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,092 11 85 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 9,327 0 0 2021 1,249 12 4 6 0 0 0 0 3 0 0 0 1,7 2 0 0 0 1,25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2005	1,880	4	52	0	0	52	0	3,075		0	0	158	(s)	
2011 1,768 2 2 11 0 0 0 21 0 6,508 0 0 2,668 (s) 2012 1,950 2 18 0 0 0 18 0 5,881 0 0 0 2,668 (s) 2013 1,877 4 2 21 0 0 0 22 0 0 5,881 0 0 0 2,888 0 0 2014 1,877 4 2 21 0 0 0 0 23 0 0 4,862 0 0 0 2,888 0 0 2015 980 6 6 38 0 0 0 38 0 0 4,860 0 0 0 2,888 0 0 2016 1,403 7 111 0 0 0 111 0 4,806 0 0 (s) 3,714 0 0 2017 1,355 6 6 15 0 0 0 15 0 5,256 0 0 2 2,988 0 2018 1,483 9 2 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 38 0 0 7,815 0 2 2,835 0 0 2020 1,580 9 9 3 4 0 0 0 9 9 8 0 0 7,815 0 2 2,835 0 0 2021 1,680 9 9 6 6 0 0 0 85 0 4,863 0 2 2,835 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,835 0 0 2022 1,249 12 45 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 (s) 0 0 0 3 0 3 0 3 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,092 11 85 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2024 1,092 1,0	2006	2,064 1,601	3	140	0		140	0	3,397 2 017		0	0	149		
2011 1,768 2 2 21 0 0 0 21 0 6,608 0 0 2,668 (s) 2012 1,950 2 1 18 0 0 0 18 0 5,981 0 0 0 2,564 0 0 2013 1,950 2 1 18 0 0 0 18 0 5,981 0 0 0 2,564 0 0 2014 1,977 4 2 21 0 0 0 23 0 6,608 0 0 0 2,888 0 0 2015 960 6 6 38 0 0 0 38 0 0 4,650 0 0 0 2,888 0 0 2016 1,403 7 111 0 0 0 111 0 4,406 0 0 (s) 3,714 0 0 2016 1,403 7 111 0 0 0 111 0 4,406 0 0 (s) 3,714 0 0 2017 1,355 6 6 15 0 0 0 15 0 5,256 0 0 2 2,958 0 2018 1,483 9 9 204 0 0 0 20 0 5,256 0 0 2 2,958 0 2018 1,483 9 9 204 0 0 0 39 0 5,256 0 0 2 2,835 0 0 2018 1,483 9 9 204 0 0 0 39 0 7,815 0 2 2,285 0 0 2021 1,680 9 9 6 6 6 0 0 0 85 0 4,863 0 2 2,285 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,285 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,092 11 85 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 2,9327 0 0 2021 1,249 12 45 0 0 0 0 85 0 4,863 0 0 2 9,327 0 0 2021 1,249 12 4 6 0 0 0 0 3 0 0 0 1,7 2 0 0 0 1,25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2008	2,359	3	50	0	0	50	0	2,993		0	0	145	0	
2011 1,768 2 2 11 0 0 0 21 0 6,508 0 0 2,668 (s) 2012 1,950 2 18 0 0 0 18 0 5,881 0 0 0 2,668 (s) 2013 1,877 4 2 21 0 0 0 22 0 0 5,881 0 0 0 2,888 0 0 2014 1,877 4 2 21 0 0 0 0 23 0 0 4,862 0 0 0 2,888 0 0 2015 980 6 6 38 0 0 0 38 0 0 4,860 0 0 0 2,888 0 0 2016 1,403 7 111 0 0 0 111 0 4,806 0 0 (s) 3,714 0 0 2017 1,355 6 6 15 0 0 0 15 0 5,256 0 0 2 2,988 0 2018 1,483 9 2 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 20 0 5,256 0 0 2 2,885 0 0 2018 1,483 9 9 20 0 0 0 38 0 0 7,815 0 2 2,835 0 0 2020 1,580 9 9 3 4 0 0 0 9 9 8 0 0 7,815 0 2 2,835 0 0 2021 1,680 9 9 6 6 0 0 0 85 0 4,863 0 2 2,835 0 0 2021 1,092 11 85 0 0 0 85 0 4,863 0 2 2,835 0 0 2022 1,249 12 45 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 (s) 0 0 0 3 0 3 0 3 0 0 85 0 4,863 0 2 2,9327 0 0 2021 1,092 11 85 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2022 1,249 12 46 0 0 0 0 85 0 4,863 0 2 2,9327 0 0 2024 1,092 1,0	2009	2,107	Ĭ	24	Ŏ	Ŏ	24	Ŏ	4,432		Ö	Ŏ	421		
2012 1,685 2 2 18 0 0 0 28 0 0,000 0 0 2,888 (8) 0 0 0 2,888 (8) 0 0 0 2,888 (8) 0 0 0 2,888 (8) 0 0 0 2,888 (8) 0 0 0 0 2,888 (8) 0 0 0 0 2,888 (8) 0 0 0 0 2,888 (8) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2010	2,164	-		0	0	18	0	5,239		•	•	1,372		
2015 990 6 38 0 0 38 0 4.850 0 0 9.2498 0 2016 1.403 7 111 0 0 0 1 15 0 4.806 0 0 (8) 3.714 0 0 2017 1.503 6 15 0 10 0 15 0 0 5.258 0 0 2 2.555 0 0 2017 1.503 9 9 19 0 0 0 19 0 5.258 0 2 2.729 0 0 2020 1.130 9 19 0 0 0 19 0 5.831 0 2 2.729 0 2020 1.130 9 19 0 0 0 19 0 5.831 0 2 2.729 0 2021 1.992 11 85 0 0 0 85 0 4.983 0 2 2 9.327 0 2022 1.249 12 45 0 0 0 45 0 4.259 0 2 10.295 0 2022 1.249 12 45 0 0 0 85 0 4.259 0 2 10.295 0 2022 1.249 3 3 18) 0 0 0 3 0 0 85 0 4.259 0 2 10.295 0 2023 1.995 42 33 18) 0 0 0 0 3 0 0 85 0 4.259 0 0 2 10.295 0 2024 1.996 42 33 18) 0 0 0 0 3 0 0 8 19 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2011	1 768	2	21	0	0	21	0	6,608				2,668	(s)	
2015 990 6 38 0 0 38 0 4,850 0 0 0 2,498 0 2016 1,403 7 11 0 0 0 0 115 0 4,806 0 0 (8) 3,714 0 0 2017 1,503 6 10 10 0 0 15 0 0 5,256 0 0 2 2,555 0 0 2018 1,553 6 10 10 0 0 0 15 0 0 5,256 0 2 2,555 0 0 2020 1,130 9 19 0 0 0 19 0 5,831 0 2 2,729 0 2020 1,130 9 19 0 0 0 19 0 5,831 0 2 2,554 0 0 2021 1,092 11 85 0 0 0 85 0 4,983 0 2 2 9,327 0 2022 1,249 12 45 0 0 0 45 0 4,559 0 2 2 10,295 0 2022 1,249 12 45 0 0 0 45 0 4,259 0 2 10,295 0 2022 1,249 12 45 0 0 0 85 0 4,259 0 2 10,295 0 2022 1,249 12 45 0 0 0 8 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2012	1,950	2	18	0	0	18	0	5,981		-	0	2,354		
2015 990 6 38 0 0 38 0 4.850 0 0 9.2498 0 2016 1.403 7 111 0 0 0 1 15 0 4.806 0 0 (8) 3.714 0 0 2017 1.503 6 15 0 10 0 15 0 0 5.258 0 0 2 2.555 0 0 2017 1.503 9 9 19 0 0 0 19 0 5.258 0 2 2.729 0 0 2020 1.130 9 19 0 0 0 19 0 5.831 0 2 2.729 0 2020 1.130 9 19 0 0 0 19 0 5.831 0 2 2.729 0 2021 1.992 11 85 0 0 0 85 0 4.983 0 2 2 9.327 0 2022 1.249 12 45 0 0 0 45 0 4.259 0 2 10.295 0 2022 1.249 12 45 0 0 0 85 0 4.259 0 2 10.295 0 2022 1.249 3 3 18) 0 0 0 3 0 0 85 0 4.259 0 2 10.295 0 2023 1.995 42 33 18) 0 0 0 0 3 0 0 85 0 4.259 0 0 2 10.295 0 2024 1.996 42 33 18) 0 0 0 0 3 0 0 8 19 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2013	1,047	4	23	0	0	23	0	4,003 5,498		•	0	2,000	•	
2017 1,355 6 15 0 0 15 0 0 5,256 0 2 2,958 0 0 2019 1,939 9 20 0 0 0 0 20 0 6,266 0 0 2 2,835 0 2019 1,890 9 34 0 0 0 34 0 7,915 0 2 2,789 0 2019 1,890 9 34 0 0 0 85 0 4,983 0 2 2,789 0 2019 1,902 11 85 0 0 0 85 0 4,983 0 2 2,789 0 2019 1,902 11 85 0 0 0 85 0 4,983 0 2 2,789 0 2019 1,902 11 85 0 0 0 85 0 4,983 0 2 2,9327 0 2019 1,902 11 85 0 0 0 85 0 4,983 0 2 2,9327 0 2019 1,902 11 85 0 0 0 85 0 4,983 0 2 2,9327 0 2019 1,902 11 85 0 0 0 0 85 0 4,983 0 2 2,9327 0 2019 1,902 11 85 0 0 0 0 1,902 11	2015	990	6	38	ŏ	ŏ	38	ŏ	4.850		ŏ	ŏ	2.498		
2017 1,355 6 15 0 0 0 15 0 0 5,256 0 2 2 2,958 0 2 2019 1 1,930 9 24 0 0 0 24 0 0 6,523 0 2 2 2,958 0 0 2 2019 1 1,930 9 34 0 0 0 19 0 6,523 0 0 2 2 2,554 0 0 2 2019 1 1,130 9 1 19 0 0 0 19 0 6,523 0 0 2 2 5,544 0 0 2 2019 1 1,130 9 1 19 0 0 0 19 0 6,523 0 0 2 2 5,544 0 0 2 2019 1 1,130 9 1 19 0 0 0 0 19 0 0 6,523 0 0 2 10,295 0 0 2 2019 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2016	1,403	7	11	0	0	11	0	4,806		0	(s)	3,714	0	
1,130	2017	1,355	6	15	0	0	15	0	5,256		0	2	2,958	•	
1,130	2018	1,493		20	0		20		6,266			2	2,835	0	
1960	2019	1,090		10	0	•	34 10	•	7,915 5,931		•		2,709 5.544	0	
1960	2020	1,130		85	•	•	85		4 983		•	2	9,327	•	
1960	2022	1,249	12	45		Ŏ	45	Ö	4,259		Ö	2	10,295	Ö	
1990 31.0 0.2 0.2 0.0 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0								Trillion Btu							
1990 31.0 0.2 0.2 0.0 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1960	4.2	4.6	(s)	0.0	0.3	0.3	0.0	R 3.9	0.0	0.0		NA	0.0	R 13.0
1990 31.0 0.2 0.2 0.0 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1965	4.2	3.3	(S)	0.0	0.3	0.3		" 13.1 Booo	0.0	0.0			0.0	" 21.0 R 22.7
1990 31.0 0.2 0.2 0.0 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1975	22.8	3.2	0.3	0.0	0.9	1.3	0.0	R 26.9	0.0	0.0		NA NA	0.0	R 54 2
1990 31.0 0.2 0.2 0.0 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1980	33.8	0.3	0.3	0.0	0.1	0.4	0.0	R 19.7	0.0	0.0		NA	0.0	R 54.2
1990 31.0 0.2 0.2 0.0 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1985	29.4	(s)	0.2	0.0	(s)	0.2	0.0	R 18.1	0.0	0.0		0.0	0.0	R 47.7
995 30.5 0.9 0.3 0.0 0.0 0.0 0.3 0.0 120.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1990	31.0	0.2	0.2	0.0	0.0	0.2	0.0	H 13.4	0.0	0.0	0.0	0.0	0.0	H 44.8
2005 32.3 3.6 0.3 0.0 0.0 0.0 0.3 0.0 F19.5 0.0 0.0 0.0 0.0 F0.5 (s) F47 2006 35.0 3.4 0.1 0.0 0.0 0.0 0.1 0.0 F11.6 0.0 0.0 0.0 F0.5 (s) F47 2007 28.6 4.3 0.8 0.0 0.0 0.0 0.8 0.0 F10.0 0.0 0.0 0.0 F0.5 (s) F47 2008 39.6 2.6 0.3 0.0 0.0 0.0 0.3 0.0 F10.2 (s) 0.0 0.0 0.0 F0.5 (s) F47 2009 35.2 0.9 0.1 0.0 0.0 0.0 0.1 0.0 F15.1 0.1 0.0 0.0 F1.4 (s) F5.2 (s) F1.4 (s) F1.4 (s) F5.2 (s) F1.4	1995	30.5	0.9	0.3	0.0	0.0	0.3	0.0	H 20.5	0.0	0.0	0.0	0.0	0.0	1 52.2 B 62.0
2006 35.0 3.4 0.1 0.0 0.0 0.0 0.8 0.0 P11.6 0.0 0.0 0.0 P8.5 0.0 P	2005	30.0	3.7	0.8	0.0	0.0	0.8	0.0	R 10.5	0.0	0.0		R 0.5	(5)	R 47 3
2007	2006	35.0	3.4	0.1	0.0	0.0	0.1	0.0	R 11.6	0.0	0.0		R 0.5	0.0	R 50.5
2008	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
2009 35.2 0.9 0.1 0.0 0.0 0.1 0.0 n15.1 0.1 0.0 0.0 0.0 n14.4 (s) n52 2010 36.2 1.6 0.1 0.0 0.0 0.0 0.1 0.0 n217.9 0.0 0.0 0.0 0.0 n24.7 (s) n62 2011 229.0 1.6 0.1 0.0 0.0 0.0 0.1 0.0 n22.5 0.0 0.0 0.0 0.0 n29.1 (s) n62 2012 32.2 2.5 0.1 0.0 0.0 0.0 0.1 0.0 n22.5 0.0 0.0 0.0 0.0 n29.1 (s) n62 2013 30.8 4.2 0.1 0.0 0.0 0.0 0.1 0.0 n21.4 0.0 n20 0.0 0.0 n2 n20.4 n2	2008	39.6	2.6	0.3	0.0	0.0	0.3	0.0	H 10.2	(s)	0.0	0.0	H 0.5	0.0	H 53.3
2010	2009	35.2	0.9	0.1	0.0	0.0		0.0	ⁿ 15.1	0.1	0.0	0.0	n 1.4	(s)	n 52.9
2012 32.2 2.5 0.1 0.0 0.0 0.1 0.0 P20.4 0.0 0.0 0.0 P8.0 0.0 P8.0 0.0 P8.0 2013 30.8 4.2 0.1 0.0 0.0 0.0 0.1 0.0 P13.9 0.0 0.0 0.0 P8.0 0.0 P8.0 P8.0 P8.0 P8.	2010	30.2	1.0	0.1	0.0	0.0		0.0	117.9 R 22.5	0.0	0.0		R 0 1	0.0 (c)	1 60.5 R 62.4
2013 30.8 4.2 0.1 0.0 0.0 0.1 0.0 P13.9 0.0 0.0 0.0 P9.2 0.0 P8.8 2014 29.5 4.0 0.1 0.0 0.0 0.0 0.0 0.1 0.0 P18.8 0.0 0.0 0.0 P8.5 0.0 P8.5 2015 16.3 6.5 0.2 0.0 0.0 0.0 0.2 0.0 P18.5 0.0 0.0 0.0 P8.5 0.0 P4.8 2016 23.2 7.9 0.1 0.0 0.0 0.0 0.1 0.0 P16.4 0.0 0.0 0.0 (s) P12.7 0.0 P8.5 2017 22.4 6.1 0.1 0.0 0.0 0.0 0.0 0.1 0.0 P17.9 0.0 0.0 (s) P10.1 0.0 P18.5 2018 24.6 9.8 0.1 0.0 0.0 0.0 0.1 0.0 P17.9 0.0 0.0 (s) P17.9 0.0 0.0 P18.5 0.0 P18.5 2019 27.7 9.9 0.2 0.0 0.0 0.0 0.0 0.1 0.0 P27.4 0.0 0.0 (s) P17.7 0.0 P18.5 2019 27.7 9.9 0.2 0.0 0.0 0.0 0.0 P27.0 0.0 0.0 (s) P18.9 0.0 P18.9 2020 18.4 9.5 0.1 0.0 0.0 0.0 0.1 0.0 P19.9 0.0 0.0 (s) P18.9 0.0 P18.9 0.0 P18.9 2020 P18.0 12.1 0.5 0.0 0.0 0.0 0.0 P17.0 0.0 P17.0 0.0 P19.9 0.0 0.0 (s) P18.9 0.0 P18.9 P18.9 0.0 P18	2011	32.2	2.5	0.1	0.0	0.0	0.1	0.0	R 20.4	0.0	0.0		Ran	(5)	R 63 2
2014	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
2015 16.3 6.5 0.2 0.0 0.0 0.2 0.0 \(\begin{array}{c ccccccccccccccccccccccccccccccccccc	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
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2015	16.3	6.5	0.2	0.0	0.0	0.2	0.0	H 16.5	0.0	0.0	0.0	H 8.5	0.0	H 48.0
2018	2016	23.2	7.9	0.1	0.0	0.0	0.1	0.0	n 16.4	0.0	0.0		n 12.7	0.0	n 60.2
2019 27.7 9.9 0.2 0.0 0.0 0.2 0.0 R27.0 0.0 0.0 (s) R9.5 0.0 R4.0 R2020 18.4 9.5 0.1 0.0 0.0 0.1 0.0 R19.9 0.0 0.0 (s) R18.9 0.0 R66 2021 18.0 12.1 0.5 0.0 0.0 0.0 0.5 0.0 R17.0 0.0 0.0 (s) R31.8 0.0 R79.	2017	22.4 24.6	0.1 Q.2	0.1 0.1	0.0	0.0	0.1	0.0 0.0	17.9 R 21.4	0.0 0.0	0.0	(8)	IU.I R q 7	0.0 0.0	50.6 R 65.6
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 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.	2019	27.7	9.9	0.2	0.0	0.0	0.2	0.0	R 27.0	0.0	0.0		R 9.5	0.0	R 74,4
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.	2020	18.4	9.5	0.1	0.0	0.0	0.1	0.0	R 19.9	0.0	0.0		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		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.	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.
Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately

Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
 ¹ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
 ² 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. 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/