



Table 264. Residential Energy Consumption Estimates, Selected Years 1960-1999, South Dakota

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum				Wood	Geothermal	Solar <sup>c</sup>	Electricity <sup>a</sup>	Electrical System Energy Losses <sup>d</sup>	Total	
			Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Total							
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords	Million Kilowatthours	Net Energy	Million Kilowatthours			
1960	43	8	567	903	1,067	2,537	61	—	—	847	—	2,107	
1965	24	10	677	524	1,198	2,398	42	—	—	1,183	—	2,824	
1970	11	14	763	14	2,010	2,787	33	—	—	1,586	—	3,843	
1975	8	12	574	3	1,994	2,571	35	—	—	2,068	—	4,987	
1980	6	11	762	10	1,165	1,937	153	—	—	2,623	—	6,378	
1985	6	11	743	35	703	1,481	143	—	—	2,769	—	6,505	
1990	1	10	805	4	1,731	2,540	89	—	—	2,866	—	R 6,270	
1991	1	11	804	4	1,061	1,869	94	—	—	3,040	—	R 6,609	
1992	(s)	11	474	4	1,006	1,484	99	—	—	2,843	—	R 6,062	
1993	(s)	12	592	6	1,355	1,952	82	—	—	3,109	—	R 6,567	
1994	5	12	536	4	1,278	1,818	81	—	—	3,147	—	R 6,568	
1995	2	13	542	4	1,384	1,929	90	—	—	3,268	—	R 6,814	
1996	1	14	632	5	R 1,857	R 2,494	90	—	—	3,426	—	R 7,140	
1997	(s)	13	490	6	R 1,798	R 2,294	R 64	—	—	3,376	—	R 7,023	
1998	(s)	12	377	5	1,450	1,832	57	—	—	3,303	—	6,824	
1999	(s)	12	306	4	1,396	1,706	61	—	—	3,302	—	6,470	
<b>Trillion Btu</b>													
1960	0.8	7.9	3.3	5.1	4.3	12.7	1.2	0.0	0.0	2.9	25.6	7.2	32.8
1965	0.5	10.1	3.9	3.0	4.8	11.7	0.8	0.0	0.0	4.0	27.1	9.6	36.8
1970	0.2	13.8	4.4	0.1	7.6	12.1	0.7	0.0	0.0	5.4	32.2	13.1	45.3
1975	0.1	12.0	3.3	(s)	7.4	10.8	0.7	0.0	0.0	7.1	30.6	17.0	47.7
1980	0.1	10.5	4.4	0.1	4.3	8.8	3.1	0.0	0.0	8.9	31.4	21.8	53.2
1985	0.1	11.5	4.3	0.2	2.5	7.1	2.9	0.0	0.0	9.4	31.0	22.2	53.2
1990	(s)	10.4	4.7	(s)	6.3	11.0	1.8	e (s)	e (s)	9.8	e 33.0	21.4	e 54.4
1991	(s)	11.4	4.7	(s)	3.8	8.5	1.9	(s)	(s)	10.4	32.3	R 22.5	R 54.8
1992	(s)	11.0	2.8	(s)	3.6	6.4	2.0	(s)	(s)	9.7	29.1	20.7	49.8
1993	(s)	12.6	3.4	(s)	4.9	8.4	1.6	(s)	(s)	10.6	33.3	22.4	55.7
1994	0.1	12.2	3.1	(s)	4.6	7.8	1.6	(s)	(s)	10.7	32.5	22.4	54.9
1995	(s)	12.8	3.2	(s)	5.0	8.2	1.8	(s)	(s)	11.2	34.0	23.2	R 57.3
1996	(s)	14.3	3.7	(s)	R 6.7	R 10.4	1.8	(s)	(s)	11.7	R 38.2	R 24.4	R 62.6
1997	(s)	13.4	2.9	(s)	R 6.5	R 9.4	1.3	0.1	(s)	11.5	R 35.7	R 24.0	R 59.7
1998	(s)	11.8	2.2	(s)	5.2	7.5	1.1	0.1	(s)	11.3	31.7	23.3	55.0
1999	(s)	11.8	1.8	(s)	5.0	6.9	1.2	0.1	(s)	11.3	31.3	22.1	53.3

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Includes small amounts of solar thermal and photovoltaic energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>d</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>e</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

renewable energy sources beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.







Table 268. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-1999, South Dakota

Year	Coal	Natural Gas <sup>a</sup>	Petroleum				Nuclear Electric Power	Hydroelectric Power <sup>e</sup>	Wood and Waste	Geothermal Energy	Other <sup>b,f</sup>	Total <sup>g</sup>
			Heavy Oil <sup>b,c</sup>	Light Oil <sup>b,d</sup>	Petroleum Coke <sup>b</sup>	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours					
1960	246	4	40	7	0	47	0	1,136	0	0	0	—
1965	237	3	47	8	0	55	0	3,835	0	0	0	—
1970	301	4	270	48	0	318	0	6,544	0	0	0	—
1975	1,804	3	145	67	0	212	0	7,890	0	0	0	—
1980	2,683	(s)	9	58	0	67	0	5,786	0	0	0	—
1985	2,407	(s)	1	39	0	40	0	5,301	0	0	0	—
1990	2,345	(s)	0	32	0	32	0	3,934	0	0	0	—
1991	2,570	(s)	0	35	0	35	0	3,828	0	0	0	—
1992	2,402	(s)	0	19	0	19	0	3,612	0	0	0	—
1993	2,360	(s)	0	32	0	32	0	2,591	0	0	0	—
1994	2,570	(s)	0	50	0	50	0	5,129	0	0	0	—
1995	2,137	1	0	48	0	48	0	6,010	0	0	0	—
1996	1,453	1	0	33	0	33	0	7,978	0	0	0	—
1997	2,005	2	0	23	0	23	0	9,062	0	0	0	—
1998	1,866	3	0	68	0	68	0	5,772	0	0	0	—
1999	2,159	3	0	59	0	59	0	6,848	0	0	0	—
<b>Trillion Btu</b>												
1960	4.2	4.6	0.3	(s)	0.0	0.3	0.0	12.2	0.0	0.0	0.0	21.4
1965	4.2	3.3	0.3	(s)	0.0	0.3	0.0	40.1	0.0	0.0	0.0	48.0
1970	5.0	4.4	1.7	0.3	0.0	2.0	0.0	68.7	0.0	0.0	0.0	80.0
1975	22.8	3.2	0.9	0.4	0.0	1.3	0.0	82.1	0.0	0.0	0.0	109.4
1980	33.8	0.3	0.1	0.3	0.0	0.4	0.0	60.1	0.0	0.0	0.0	94.6
1985	29.4	(s)	(s)	0.2	0.0	0.2	0.0	55.4	0.0	0.0	0.0	85.0
1990	28.6	0.2	0.0	0.2	0.0	0.2	0.0	40.9	0.0	0.0	0.0	69.9
1991	31.0	0.2	0.0	0.2	0.0	0.2	0.0	40.0	0.0	0.0	0.0	R 71.3
1992	29.0	(s)	0.0	0.1	0.0	0.1	0.0	37.4	0.0	0.0	0.0	R 66.5
1993	28.6	0.2	0.0	0.2	0.0	0.2	0.0	26.7	0.0	0.0	0.0	55.7
1994	31.1	0.2	0.0	0.3	0.0	0.3	0.0	52.9	0.0	0.0	0.0	R 84.4
1995	29.8	0.9	0.0	0.3	0.0	0.3	0.0	62.0	0.0	0.0	0.0	93.0
1996	26.3	0.7	0.0	0.2	0.0	0.2	0.0	82.5	0.0	0.0	0.0	R 109.7
1997	34.8	1.8	0.0	0.1	0.0	0.1	0.0	93.9	0.0	0.0	0.0	R 130.9
1998	32.6	2.9	0.0	0.4	0.0	0.4	0.0	59.7	0.0	0.0	0.0	95.1
1999	37.3	2.5	0.0	0.3	0.0	0.3	0.0	70.9	0.0	0.0	0.0	111.6

<sup>a</sup> Includes supplemental gaseous fuels.<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.<sup>c</sup> Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.<sup>d</sup> Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.<sup>e</sup> If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.<sup>f</sup> "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.<sup>g</sup> If applicable, from 1989, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.