

NORTH DAKOTA

Table 9. Commercial Energy Consumption Estimates, Selected Years, 1960-2000, North Dakota

	Coal ^a Year	Natural Gas ^b Thousand Short Tons	Petroleum					Wood ^a Thousand Cords	Electricity ^a Geothermal	Net Energy Million Kilowatthours	Electrical System Energy Losses ^d Million Kilowatthours	Total ^e		
			Distillate Fuel ^a	Kerosene ^a	LPG ^{a,c}	Motor Gasoline	Residual Fuel ^a						Total	
			Thousand Barrels											
1960	R 228	3	198	0	139	32	73	442	(s)	—	304	—	757	
1965	R 133	5	288	0	134	179	209	809	(s)	—	443	—	1,058	
1970	R 63	8	250	0	226	151	104	731	(s)	—	696	—	1,686	
1975	R 107	12	176	0	208	95	493	972	(s)	—	805	—	1,942	
1980	R 113	11	642	0	90	73	400	1,206	3	—	1,145	—	2,784	
1985	R 158	10	484	(s)	30	69	64	647	4	—	2,026	—	R 4,741	
1990	R 111	10	151	(s)	115	70	23	359	R 6	—	2,300	—	R 5,018	
1991	R 114	11	160	1	172	44	8	384	6	—	2,397	—	R 5,171	
1992	R 100	10	157	(s)	191	37	12	397	6	—	2,273	—	R 4,817	
1993	R 114	11	143	1	134	10	16	305	6	—	2,318	—	R 4,871	
1994	R 118	11	192	1	122	10	15	340	6	—	2,427	—	R 5,029	
1995	R 96	12	160	1	137	10	19	327	6	—	2,728	—	R 5,660	
1996	R 129	12	211	2	167	10	6	396	7	—	2,877	—	R 5,974	
1997	R 124	11	273	1	268	10	9	560	R 7	—	2,769	—	R 5,725	
1998	R 105	10	265	1	192	21	17	496	R 7	—	2,761	—	R 5,669	
1999	R 113	10	213	1	254	22	18	507	R 7	—	2,793	—	R 5,432	
2000	119	11	228	2	310	10	15	565	7	—	2,992	—	5,130	
Trillion Btu														
1960	R 3.5	2.9	1.2	0.0	0.6	0.2	0.5	2.3	(s)	0.0	1.0	R 9.9	2.6	R 12.5
1965	R 2.1	5.0	1.7	0.0	0.5	0.9	1.3	4.5	(s)	0.0	1.5	R 13.0	3.6	R 16.6
1970	R 0.9	8.6	1.5	0.0	0.9	0.8	0.7	3.8	(s)	0.0	2.4	R 15.6	5.8	R 21.4
1975	R 1.5	12.4	1.0	0.0	0.8	0.5	3.1	5.4	(s)	0.0	2.7	R 22.1	6.6	R 28.7
1980	R 1.5	11.6	3.7	0.0	0.3	0.4	2.5	7.0	0.1	0.0	3.9	R 24.0	9.5	R 33.5
1985	R 2.1	10.7	2.8	(s)	0.1	0.4	0.4	3.7	0.1	0.0	6.9	R 23.5	16.2	R 39.7
1990	R 1.5	10.6	0.9	(s)	0.4	0.4	0.1	1.8	0.1	f (s)	7.8	f 21.9	R 17.1	f 39.0
1991	R 1.6	11.2	0.9	(s)	0.6	0.2	(s)	1.8	0.1	(s)	8.2	R 23.0	R 17.6	R 40.6
1992	R 1.5	10.2	0.9	(s)	0.7	0.2	0.1	1.9	0.1	(s)	7.8	R 21.5	R 16.4	R 37.9
1993	R 1.7	11.3	0.8	(s)	0.5	0.1	0.1	1.5	0.1	(s)	7.9	R 22.5	R 16.6	R 39.1
1994	R 1.8	11.4	1.1	(s)	0.4	0.1	0.1	1.7	0.1	0.1	8.3	R 23.3	R 17.2	R 40.5
1995	R 1.5	12.2	0.9	(s)	0.5	0.1	0.1	1.6	0.1	0.1	9.3	R 24.8	R 19.3	R 44.1
1996	R 1.9	12.8	1.2	(s)	0.6	0.1	(s)	1.9	0.1	0.1	9.8	R 26.7	R 20.4	R 47.1
1997	R 1.9	11.4	1.6	(s)	1.0	0.1	0.1	2.7	0.1	0.1	9.4	R 25.6	R 19.5	R 45.1
1998	R 1.6	10.5	1.5	(s)	0.7	0.1	0.1	2.5	R 0.1	0.1	9.4	R 24.2	R 19.3	R 43.6
1999	R 1.7	10.5	1.2	(s)	0.9	0.1	0.1	2.4	R 0.1	0.1	9.5	R 24.4	R 18.5	R 42.9
2000	1.7	11.2	1.3	(s)	1.1	0.1	0.1	2.6	0.1	0.1	10.2	25.9	17.5	43.4

^a 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.^b Includes supplemental gaseous fuels.^c Liquefied petroleum gases.^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.^e Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.^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.

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 Technical Notes.

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Table 12. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-2000, North Dakota

Year	Coal	Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g
			Residual Fuel ^{b,c}	Distillate Fuel ^{b,d}	Petroleum Coke ^b	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours					
1960	1,014	(s)	15	4	0	20	0	1,060	0	0	0	—
1965	964	(s)	2	1	0	3	0	2,497	0	0	0	—
1970	3,519	(s)	25	7	0	32	0	3,108	0	0	0	—
1975	4,377	(s)	18	2	0	20	0	4,511	0	0	0	—
1980	11,618	(s)	0	68	0	68	0	5,364	0	0	0	—
1985	17,354	(s)	0	74	0	74	0	4,818	0	0	(s)	—
1990	21,579	(s)	0	57	0	57	0	1,855	0	0	0	—
1991	22,174	(s)	0	69	0	69	0	1,926	0	0	0	—
1992	23,192	(s)	0	58	0	58	0	2,186	0	0	0	—
1993	23,290	(s)	0	69	0	69	0	2,439	0	0	0	—
1994	23,248	(s)	0	112	0	112	0	2,639	0	0	0	—
1995	22,680	(s)	0	99	0	99	0	3,004	0	0	0	—
1996	23,640	(s)	0	155	0	155	0	3,802	0	0	0	—
1997	22,754	(s)	0	153	0	153	0	3,490	0	0	0	—
1998	24,278	0	0	89	0	89	0	2,443	0	0	0	—
1999	24,540	0	0	81	0	81	0	2,723	0	0	0	—
2000	25,048	0	0	95	0	95	0	2,279	0	0	0	—
Trillion Btu												
1960	14.0	0.1	0.1	(s)	0.0	0.1	0.0	11.4	0.0	0.0	0.0	25.7
1965	13.4	(s)	(s)	(s)	0.0	(s)	0.0	26.1	0.0	0.0	0.0	39.6
1970	48.1	0.4	0.2	(s)	0.0	0.2	0.0	32.6	0.0	0.0	0.0	81.3
1975	58.4	0.2	0.1	(s)	0.0	0.1	0.0	46.9	0.0	0.0	0.0	105.6
1980	153.8	(s)	0.0	0.4	0.0	0.4	0.0	55.7	0.0	0.0	0.0	209.9
1985	228.2	(s)	0.0	0.4	0.0	0.4	0.0	50.3	0.0	0.0	(s)	279.0
1990	286.4	(s)	0.0	0.3	0.0	0.3	0.0	19.3	0.0	0.0	0.0	304.7
1991	293.0	(s)	0.0	0.4	0.0	0.4	0.0	20.1	0.0	0.0	0.0	313.4
1992	304.2	(s)	0.0	0.3	0.0	0.3	0.0	22.6	0.0	0.0	0.0	329.1
1993	306.0	(s)	0.0	0.4	0.0	0.4	0.0	25.1	0.0	0.0	0.0	332.0
1994	306.5	(s)	0.0	0.7	0.0	0.7	0.0	27.2	0.0	0.0	0.0	336.4
1995	298.7	(s)	0.0	0.6	0.0	0.6	0.0	31.0	0.0	0.0	0.0	332.1
1996	311.9	(s)	0.0	0.9	0.0	0.9	0.0	39.3	0.0	0.0	0.0	354.4
1997	298.5	(s)	0.0	0.9	0.0	0.9	0.0	R 35.6	0.0	0.0	0.0	R 334.5
1998	318.8	0.0	0.0	0.5	0.0	0.5	0.0	R 24.9	0.0	0.0	0.0	R 340.7
1999	321.3	0.0	0.0	0.5	0.0	0.5	0.0	R 27.8	0.0	0.0	0.0	R 346.8
2000	327.1	0.0	0.0	0.6	0.0	0.6	0.0	23.2	0.0	0.0	0.0	349.4

^a Includes supplemental gaseous fuels.^b 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.^c Prior to 1980, based on oil used in steam plants. Since 1980, residual fuel includes fuel oil nos. 4, 5, and 6 and residual fuel oils.^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, distillate fuel includes fuel oil nos. 1 and 2, kerosene, and jet fuel.^e 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.^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.^g If applicable, from 1989, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in Table TN8 in the Technical Notes.

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 Technical Notes.