Table E1. Electric Power Generating Capacity by Company and Plant as of August 2004[1]

COMPANY	PLANT	COUNTY	ENERGY SOURCE	INITIAL OPERATION (First Unit)	CAPACITY (MW) GENERATOR NAMEPLATE	CAPACITY (MW) SUMMER CAPABILITY	CAPACITY (MW) WINTER CAPABILITY
Avista	Noxon Rapids	Sanders	Water	1959	466.2	527.0	527.0
Mission Valley Power Co.	Hell Roaring	Lake	Water	1916	0.4	0.4	0.4
Montana-Dakota Utilities	Glendive #1	Dawson	Natural Gas/#2 Fuel Oil	1979	40.7	34.1	42.3
Montana-Dakota Utilities	Glendive #2	Dawson	Natural Gas/#2 Fuel Oil	2003	43.0	38.7	30.0
Montana-Dakota Utilities	Lewis & Clark	Richland	Lignite Coal/Natural Gas	1958	50.0	52.3	47.6
Montana-Dakota Utilities	Miles City	Custer	Natural Gas/#2 Fuel Oil	1972	23.3	24.3	28.9
Clark Fork and Blackfoot LLC[2]	Milltown	Missoula	Water	1908	2.4	2.3	1.9
Northern Lights Cooperative	Lake Creek	Lincoln	Water	1917	4.5	4.7	4.5
NWE QF - Colstrip Energy Partnership	Montana One	Rosebud	Waste Coal	1990	41.5	39.0	39.0
NWE QF - Hydrodynamics	South Dry Creek	Carbon	Water	1985	2.0	2.0	-
NWE QF - Montana DNRC	Broadwater	Broadwater	Water	1989	9.6	6.0	8.0
NWE QF - wind	Various	Various	Wind	Various	0.3	-	-
NWE QF - other hydro	Various	Various	Water	Various	2.4	-	-
NWE QF - Yellowstone Partnership	BGI	Yellowstone	Petroleum Coke	1995	65.0	57.0	57.0
PacifiCorp	Bigfork	Flathead	Water	1910	4.1	4.2	4.2
PPL Montana	Black Eagle	Cascade	Water	1927	24.0	19.0	17.0
PPL Montana	Cochrane	Cascade	Water	1958	48.0	52.0	32.0
PPL Montana	Hauser Lake	Lewis & Clark	Water	1911	17.0	16.0	17.0
PPL Montana	Holter	Lewis & Clark	Water	1918	38.4	36.0	49.0
PPL Montana	J. E. Corette	Yellowstone	Subbituminous Coal	1968	163.0	160.0	160.0
PPL Montana	Kerr	Lake	Water	1938	211.5	180.0	165.0
PPL Montana	Madison	Madison	Water	1906	8.8	8.0	8.0
PPL Montana	Morony	Cascade	Water	1930	45.0	48.0	47.0
PPL Montana	Mystic Lake	Stillwater	Water	1925	12.4	11.0	11.0
PPL Montana	Rainbow	Cascade	Water	1910	35.6	40.0	40.0
PPL Montana	Ryan	Cascade	Water	1915	48.0	60.0	60.0
PPL Montana	Thompson Falls	Sanders	Water	1915	87.5	85.0	85.0
PPL Montana (50%) Puget Sound Power & Light (50%)	Colstrip 1	Rosebud	Subbituminous Coal	1975	358.0	307.0	307.0
PPL Montana (50%) Puget Sound Power & Light (50%)	Colstrip 2	Rosebud	Subbituminous Coal	1976	358.0	307.0	307.0
PPL Montana (30%) Avista (15%), PacifiCorp (10%) Portland General Electric (20%) Puget Sound Power & Light (25%)	Colstrip 3	Rosebud	Subbituminous Coal	1984	778.0	740.0	740.0
NorthWestern Energy (30%) Avista (15%), PacifiCorp (10%) Portland General Electric (20%) Puget Sound Power & Light (25%)	Colstrip 4	Rosebud	Subbituminous Coal	1986	778.0	740.0	740.0
Salish-Kootenai Tribe	Boulder Creek	Lake	Water	1984	0.4	0.4	0.4
Tiber Montana, LLC	Tiber Dam	Liberty	Water	2004	7.5	7.0	5.5
US Corps - North Pacific Division	Libby	Lincoln	Water	1975	525.0	598.0	573.0
US Corps - Missouri River Division	Fort Peck[3]	McCone	Water	1943	185.3	212.0	209.0
US BurRec - Great Plains Region	Canyon Ferry	Lewis & Clark	Water	1953	49.8	58.9	58.6
US BurRec - Great Plains Region	Yellowtail[4]	Big Horn	Water	1966	250.0	288.0	250.0
US BurRec - Pacific Northwest Region	Hungry Horse	Flathead	Water	1952	428.0	424.0	368.0
TOTAL MONTANA CAPACITY (MW)					5212.6	5130.9	4992.7

[1] Does not include a 10.8 MW waste-wood facility that supplies the Stone Container plant in Missoula and other, small self-generation units.

[2] An affiliate of NorthWestern Energy; previously owned by Montana Power Company. One unit is broken and may not be repaired, which would affect capability.

[3] Three of the five units in this dam, with a total capability of 118 MW, may be synchronized either to the west (WECC) or the midwest (MAPP).

[4] Units 1-4 are normally synchronized to the west (WECC); however, two units may be synchronized to the midwest (MAPP).

Source: On-line date and nameplate - U.S. DOE Energy Information Administration "Existing Electric Generating Units in the United States by State, Company and Plant, 2003 (Preliminar Data)" http://www.eia.doe.gov/cneaf/electricity/page/capacity/newunits2003.xls; Capability - Western Electricity Coordinating Council *Existing Generation and Significant Additions and Changes to System Facilities 2003 - 2013*; Fort Peck and Canyon Ferry capability - Mid-Continent Area Power Pool Regional Reliability Council *Coordinated Bulk Power Supply Program* (Eia-411; 07/01/01; http://www.mapp.org/assets/pdf/2001_USA.PDF); MDU plant capability - MDU; Lake Creek capability - Northern Lights Cooperative; Milltown, South Dry Creek and wind/other hydro Qualifying Facilities capability - NorthWestern Energy; Hellroaring and Boulder Creek data - Mission Valley Power; Tiber Dam data - Tiber Montana, LLC.

Table E2. Average Generation by Company, 1995-1999 and 1999-2003

Company	aMW[1] 1995-1999	1999-2003
Avista[2]	403.1	359.8
Bonneville Power Administration[3]	381.7	312.3
Colstrip Energy Partnership	29.9	31.7
Hydrodynamics	0.9	0.8
Mission Valley Power	0.2	0.2
Montana-Dakota Utilities	27.9	35.0
MT Dept of Natural Resources and Conservation	5.9	5.2
Northern Lights Cooperative	3.5	2.9
NorthWestern Energy[2,4]	169.0	180.6
NWE QF - other hydro[4]	0.9	0.6
NWE QF- wind[4]	0.1	0.1
PacificCorp[2]	113.5	121.6
Portland General Electric[2]	222.5	238.8
PPL Montana [2,5]	939.5	913.5
Puget Sound Power & Light[2]	509.0	546.3
Salish-Kootenai Tribes	0.2	0.1
Western Area Power Administration[3]	322.7	197.4
Yellowstone Energy Partnership	46.9	46.6
TOTAL	3,177.3	2,993.5

[1] aMW = average megawatt, or 8,760 megawatt hours in a year

[2] Output for Colstrip 1-4 is reported for the entire facility, not individual units. In this table, ouput was allocated among the partners on the basis of their ownership percentages. NorthWestern actually holds a lease on a portion of output from Colstrip 4.

[3] Distributes power generated at US Corps of Engineers and US Bureau of Reclamation

[4] NWE plants and contracts were owned by Montana Power Company until February 2002

[5] PPL Montana plants were owned by Montana Power Company until mid-December 1999

Source: U.S. Department of Energy, Energy Information Administration, Form 906 databases (http://www.eia.doe.gov/cneaf/electricity/page/data.html); NorthWestern Energy for QF data, 2000 hydro data and 2000-2003 Milltown data; Mission Valley Power; Northern Lights Cooperative.

Table E3. Net Electric Generation By Plant, 1999-2003[1] (MWh)

COMPANY / PLANT	1999	2000	2001	2002	2003	Average	aMW 1999-2003	aMW 1995-99
Avista								
Noxon	1,896,663	1,635,238	1,020,729	1,816,491	1,542,705	1,582,365	180.6	236.2
Bonneville Power Administration								
Hungry Horse	888,086	1,016,427	537,371	994,748	729,010	833,128	95.1	103.3
Libby	2,468,710	1,762,671	1,116,106	2,256,895	1,908,585	1,902,593	217.2	278.4
Clark Fork and Blackfoot LLC								
Milltown[2]	15,815	14,543	13,663	12,354	6,493	12,574	1.4	2.1
Colstrip Energy Partnership								
Montana One (NWE QF)[2,3]	308,100	295,828	309,584	173,750	302,419	277,936	31.7	29.9
Hydrodynamics								
South Dry Creek (NWE QF)[2]	7,323	6,965	7,876	7,180	45	5,878	0.7	0.7
Strawberry Creek (NWE QF)[2]	863	1,286	1,388	1,329	1,308	1,235	0.1	0.2
Mission Valley Power								
Hellroaring	1,687	1,827	1,671	1,351	1,703	1,648	0.2	0.2
Montana-Dakota Utilities								
Glendive	12,128	9,975	7,366	4,458	16,344	10,054	1.1	1.6
Lewis-Clark	224,643	323,757	311,849	286,512	323,158	293,984	33.6	25.4
Miles City	3,429	3,469	2,171	1,590	2,181	2,568	0.3	0.9
MT Dept of Nat. Res. and Con.								
Broadwater Dam (NWE QF)[2]	55,367	48,358	40,474	41,777	43,837	45,963	5.2	5.9
Northern Lights Cooperative								
Lake Creek[4]	35,300	26,198	13,505	28,643	25,430	25,815	2.9	3.5
PacifiCorp								
Big Fork	18,945	13,021	17,729	19,523	26,555	19,155	2.2	2.3
PPL Montana								
Black Eagle[5]	135,880	116,726	102,539	111,880	122,072	117,819	13.4	16.6
Cochrane[5]	327,364	228,394	189,721	207,567	234,704	237,550	27.1	39.7
Colstrip[6]	15,403,447	14,310,363	15,452,158	13,886,845	14,955,622	14,801,687	1,689.7	1,574.2
Hauser Lake[5]	133,870	121,266	101,890	99,306	120,040	115,274	13.2	15.7
Holter[5]	345,262	241,006	201,580	199,901	250,752	247,700	28.3	39.2
J E Corette	1,059,744	1,173,300	1,029,287	1,132,762	1,251,896	1,129,398	128.9	104.2
Kerr	1,161,144	1,124,722	676,582	1,095,991	886,695	989,027	112.9	133.5
Madison[5]	57,615	59,299	62,362	58,767	60,057	59,620	6.8	6.8
Morony[5]	337,742	242,008	200,158	216,100	244,474	248,096	28.3	40.4
Mystic Lake[5]	49,312	47,187	38,751	40,652	45,052	44,191	5.0	5.7
Rainbow[5]	274,047	220,991	195,445	205,499	215,588	222,314	25.4	29.1
Ryan[5]	463,726	392,161	334,015	350,490	347,549	377,588	43.1	54.2
Thompson Falls	546,245	506,722	368,182	498,775	452,393	474,463	54.2	56.6
Salish-Kootenai								
Boulder Creek	1,070	797	824	778	225	739	0.1	0.2
Various Qualifying Facilities								
Other NWE QF - hydro[2,7]	6,777	5,400	5,374	4,149	5,286	5,397	0.6	0.9
Other NWE QF - wind[2,8]	630	598	549	655	548	596	0.1	0.1
Western Area Power Administration								
Canyon Ferry	404,744	292,982	239,601	240,389	321,143	299,772	34.2	49.9
Fort Peck	1,019,613	924,319	672,931	747,042	819,292	836,639	95.5	139.7
Yellowtail	1,190,750	628,691	474,227	344,399	325,278	592,669	67.7	133.1
Yellowstone Energy Partnership								
Billings Generation Inc. (NWE QF)[2,9]	445,827	441,247	425,962	348,125	378,005	407,833	46.6	46.9
TOTALS							2,993.5	3,177.3

[1] Net generation equals gross generation minus plant use.
[2] NWE plants and contracts were owned by MPC until February 2002.
[3] 1995-1999 column is for 1999 only.
[4] 1995-1999 column is for 1997 - 1999.
[5] 2000 production provided by NorthWestern Energy.
[6] Operated by PPL; actual ownership shared by six utilities.
[7] 1995-1999 column includes one facility for 1997-1999.
[8] 1995-1999 column is for 1999 - 2000.
[9] 1995-1999 column is for 1996 - 1999.

Source: U.S. Department of Energy, Energy Information Administration, Form 860 and 906 databases (http://www.eia.doe.gov/cneaf/electricity/page/data.html); NorthWestern Energy for QF data, 2000 PPL hydro data and 2000-2003 Milltown data; Mission Valley Power; Northern Lights Cooperative.

Table E4. Annual Consumption of Fuels for Electric Generation, 1960-2002[1]

YEAR	COAL (thousand short tons)	PETROLEUM[2] (thousand barrels)	NATURAL GAS (million cubic feet)
1960	186.9	*	341.3
1961	262.5	*	356.2
1962	291.6	1.3	3,712.5
1963	285.5	0.7	3,303.3
1964	293.8	3.6	2,449.5
1965	295.8	0.7	1,992.3
1966	323.5	82.2	2,977.2
1967	325.4	6.1	502.5
1968	399.2	22.9	631.3
1969	576.6	104.9	1,520.5
1970	722.7	26.0	2,529.4
1971	672.0	0.2	1,079.8
1972	768.7	17.5	1,217.4
1973	892.6	152.2	2,167.4
1974	854.6	14.0	1,038.0
1975	1,061.3	62.6	1,073.3
1976	2,373.7	81.1	708.5
1977	3,196.7	195.3	953.3
1978	3,184.2	98.1	909.4
1979	3,461.4	146.5	2,320.4
1980	3,351.6	58.6	4,182.1
1981	3,337.9	38.5	2,069.4
1982	2,595.8	30.6	337.0
1983	2,356.0	31.0	335.0
1984	5,113.0	78.0	360.0
1985	5,480.0	38.0	468.0
1986	7,438.0	25.0	407.0
1987	7,530.0	44.0	478.0
1988	10,410.0	63.0	286.0
1989	10,208.0	60.0	336.0
1990	9,572.6	63.2	417.6
1991	10,460.3	44.7	267.7
1992	11,027.7	35.8	219.9
1993	9,121.2	49.5	270.0
1994	10,780.5	44.4	632.2
1995	9,640.8	472.7	388.4
1996	8,074.9	661.5	470.4
1997	9,464.7	662.9	419.9
1998	10,896.5	1,071.5	521.8
1999	10,902.9	1,142.7	290.9
2000	10,385.4	1,166.2	191.6
2001	10,838.1	1,080.9	159.7
2002	9,746.4	1,058.0	115.9

* less than 0.05

[1] Data includes fuel use at independent power producers, which first came on line in 1990. The data do not include self-generation at industrial facilities. Data exclude small amounts of waste gases used for generation.

[2] Includes petroleum coke starting in 1995. One ton of petroleum coke equals 6.07 barrels.

Sources: Federal Energy Regulatory Commission, Form 4 News Releases (1960-76); U.S. Department of Energy, Energy Information Administration, Electric Power Statistics, EIA-0034 (1977-78); U.S. Department of Energy, Energy Information Administration, Power Production, Fuel Consumption and Installed Capacity, EIA-0049 (1979); U.S. Department of Energy, Energy Information Administration, Electric Power Annual, EIA-0348 (1980-89); U.S. Department of Energy, Energy Information Administration, Electric Power Annual 2002 - Consumption Spreadsheet (Form EIA906 data-http://www.eia.doe.gov/cneaf/electricity/epa/epa_sprdshts.html)(1990-2002).

Table E5. Net Electric Generation by Type of Fuel Unit, 1960-2003[1]

YEAR	HYDROELECTRIC (million kWh)	%	COAL (million kWh)	%	PETROLEUM[2] (million kWh)	%	NATURAL GAS (million kWh)	%	TOTAL
1960	5,801	97	NA		NA		NA		5,992
1961	6,499	96	263	4	0	0	19	*	6,780
1962	6,410	91	291	4	1	*	349	5	7,051
1963	6,011	91	284	4	0	0	299	5	6,594
1964	6,821	93	286	4	2	*	220	3	7,329
1965	8,389	95	285	3	0	0	171	2	8,845
1966	7,940	93	317	4	43	*	273	3	8,573
1967	8,703	96	314	3	3	*	41	*	9,061
1968	8,925	95	434	5	10	*	52	*	9,421
1969	9,447	91	735	7	52	*	147	1	10,381
1970	8,745	88	966	10	14	*	228	2	9,953
1971	9,595	91	901	9	1	*	96	1	10,593
1972	9,444	89	1,079	10	7	*	108	1	10,639
1973	7,517	83	1,303	14	69	*	195	2	9,084
1974	9,726	88	1,210	11	6	*	98	1	11,040
1975	9,560	85	1,544	14	17	*	96	1	11,217
1976	12,402	77	3,558	22	27	*	67	*	16,054
1977	8,460	63	4,788	36	92	1	87	1	13,427
1978	11,708	70	4,871	29	35	*	84	*	16,698
1979	10,344	66	5,114	33	58	*	188	1	15,704
1980	9,966	64	5,140	33	22	*	351	2	15,479
1981	11,323	68	5,047	30	13	*	176	1	16,559
1982	10,920	74	3,853	26	10	*	33	*	14,816
1983	11,561	77	3,452	23	10	*	34	*	15,057
1984	11,113	59	7,650	41	36	*	40	*	18,839
1985	10,178	54	8,465	45	16	*	58	*	18,717
1986	10,863	49	11,469	51	9	*	52	*	22,393
1987	8,931	43	11,836	57	17	*	58	*	20,842
1988	8,246	33	16,462	66	30	*	37	*	24,775
1989	9,580	37	16,129	63	30	*	43	*	25,782
1990	10,717	41	15,120	58	27	*	41	*	25,980
1991	11,970	42	16,433	58	19	*	24	*	28,508
1992	8,271	32	17,454	68	16	*	23	*	25,843
1993	9,614	40	14,083	59	22	*	24	*	23,821
1994	8,150	32	16,809	67	19	*	61	*	25,081
1995	10,746	42	14,934	58	167	1	32	*	25,888
1996	13,795	52	12,463	47	444	2	38	*	26,767
1997	13,406	47	14,616	51	436	2	32	*	28,521
1998	11,118	39	16,785	59	426	2	41	*	28,401
1999[3]	11,844	40	16,993	58	487	2	20	*	29,344
2000	9,623	36	16,201	61	520	2	13	*	26,389
2001	6,613	27	17,036	71	498	2	11	*	24,158
2002	9,567	38	15,338	60	470	2	8	*	25,402

*Less than or equal to 0.5 percent.

[1] Gross generation less the electric energy consumed at the generating station for facilities owned by or selling to electric utilities and cooperatives. Starting in 1983, annual output of non-utility plants selling into the grid, except for a minor amount of small hydro, is included. The data do not include generation from wood-fired plants that do not provide power into the grid; historically, these collectively have produced less (and usually considerably less) than 75 million kWh per year. From 1990, Total includes minor amounts of generation from sources not listed in the table.

[2] Includes fuel oil and petroleum coke.

[3] U.S. DOE figures appear to have double-counted output from some of the dams MPC sold to PPL in December. Therefore, DEQ adjusted the hydroelectric generation and total generation, based on the data presented in Table E3.

Sources: Federal Power Commission (1960-76); U.S. Department of Energy, Energy Information Administration, *Power Production, Fuel Consumption and Installed Capacity Data* , EIA-0049 (1977-80); U.S. Department of Energy, Energy Information Administration, *Electric Power Annual* , EIA-0348 (1981-89); U.S. Department of Energy, Energy Information Administration, *1990 - 2002 Net Generation by State by Type of Producer by Energy Source* (spreadsheet derived from EIA-906 database - http://www.eia.doe.gov/cneaf/electricity/epa/epa_sprdshts.html).

Table E6. Annual Sales of Electricity, 1960-2003 (million kilowatt-hours)

	MONTANA					USA
Year	Residential	Commercial	Industrial	Other[1]	Total	TOTAL
1960	935	479	2,951	209	4,575	686,493
1961	982	518	2,975	222	4,697	720,120
1962	1,041	551	3,099	254	4,946	775,381
1963	1,077	574	3,191	259	5,101	830,079
1964	1,139	610	3,544	249	5,541	896,059
1965	1,216	654	3,939	270	6,080	959,493
1966	1,261	698	4,657	286	6,902	1,035,145
1967	1,291	746	4,282	293	6,612	1,099,137
1968	1,373	805	4,982	273	7,433	1,202,871
1969	1,462	863	6,208	247	8,781	1,312,406
1970	1,534	924	6,029	264	8,750	1,392,300
1971	1,633	990	5,999	268	8,890	1,469,306
1972	1,768	1,070	5,660	265	8,763	1,595,161
1973	1,812	1,125	5,034	246	8,217	1,713,380
1974	1,873	1,156	5,929	213	9,171	1,707,852
1975	2,058	1,250	5,069	197	8,575	1,736,267
1976	2,261	1,525	5,922	203	9,911	1,855,246
1977	2,440	1,625	5,759	189	10,013	1,948,361
1978	2,754	1,768	6,106	158	10,786	2,017,922
1979	2,957	1,907	6,111	154	11,129	2,071,099
1980	2,916	1,957	5,815	137	10,825	2,094,449
1981	2,906	2,045	5,848	157	10,956	2,147,103
1982	3,178	2,180	4,759	159	10,276	2,086,441
1983	3,097	2,334	4,217	166	9,813	2,150,955
1984	3,386	2,687	5,229	164	11,466	2,278,372
1985	3,505	2,521	5,623	173	11,822	2,309,543
1986	3,181	2,302	5,948	161	11,593	2,350,835
1987	3,139	2,495	6,304	484	12,423	2,457,272
1988	3,301	2,620	6,438	582	12,942	2,578,062
1989	3,456	2,670	6,535	400	13,061	2,646,809
1990	3,358	2,738	6,529	499	13,125	2,712,555
1991	3,459	2,819	6,622	507	13,407	2,762,003
1992	3,286	2,859	6,414	536	13,096	2,763,365
1993	3,598	3,026	5,837	469	12,929	2,861,462
1994	3,567	3,096	5,961	561	13,184	2,934,563
1995	3,640	3,133	6,368	278	13,419	3,013,287
1996	3,911	3,299	6,306	305	13,820	3,101,127
1997[2]	3,804	3,293	6,353	284	13,733	3,145,610
1998[3]	3,722	3,313	6,774	335	14,145	3,264,231
1999[3]	3,664	3,025	6,258	334	13,282	3,312,087
2000[3]	3,908	3,792	6,568	312	14,580	3,421,414
2001[3]	3,885	3,645	3,310	324	11,165	3,369,781
2002[3]	4,030	3,707	4,511	326	12,575	3,462,521
2003[3]	4,098	4,058	3,743	280	12,180	3,499,968

[1] Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and inter-departmental sales.

[2] EIA data on industrial sales corrected by adding BPA sales, which EIA didn't include in this year.

[3] Some power marketers did not report sales data. This problem is believed to be most pronounced in 1999, the first full year of deregulation. In 2002, a year for which data are available, NWE reported delivery of 256,858 MWh more than power marketers reported sold. This unreported power went primarily to the commercial sector. Most of it may have been sold by Commercial Energy, which has not filed Form 861 reports with US DOE.

Sources: Federal Power Commission (1960-76); U.S. Department of Energy, Energy Information Administration, *Electric Power Statistics*, EIA-0034 (1977-78); U.S. Department of Energy, Energy Information Administration, *Financial Statistics of Electric Utilities and Interstate Natural Gas Pipeline Companies*, EIA-0147 (1979-80); U.S. Department of Energy, Energy Information Administration, *Electric Power Annual*, EIA-0348 (1981-99); U.S. Department of Energy, Energy Information Administration, Form 861 Database (1997-2003, http://www.eia.doe.gov/cneaf/electricity/page/at_a_glance/sales_tabs.html); updated information on sales from Bonneville Power Administration (1997).

Table E7. Average Annual Prices for Electricity Sold, 1960-2003 (cents per kilowatt-hour)

Year	MONTANA								U.S.
	Residential	Commercial	Industrial	Street & Highway Lighting	Other Public Authorities	Railroads & Railways	Interdepart-mental	All Sales	All Sales
1960	2.33	2.25	0.43	2.45	0.79	0.56	1.27	1.05	1.69
1961	2.32	2.18	0.45	2.70	0.74	0.55	1.70	1.06	1.69
1962	2.29	2.13	0.46	2.50	0.61	0.55	1.43	1.07	1.67
1963	2.25	2.06	0.45	2.78	0.78	0.57	1.67	1.07	1.64
1964	2.20	2.02	0.45	2.56	0.71	0.53	2.00	1.03	1.63
1965	2.12	1.93	0.44	2.75	0.70	0.59	1.67	0.98	1.59
1966	2.09	1.92	0.43	2.56	0.66	0.57	1.67	0.92	1.56
1967	2.04	1.89	0.42	2.79	0.63	0.49	1.08	0.95	1.55
1968	1.99	1.83	0.40	2.77	0.61	0.58	1.11	0.90	1.54
1969	2.10	1.93	0.41	2.75	0.57	0.53	1.05	0.88	1.54
1970	2.13	1.94	0.42	2.88	0.60	0.55	1.00	0.94	1.59
1971	2.12	1.94	0.43	3.02	0.62	0.50	0.95	0.95	1.68
1972	2.16	1.98	0.44	3.21	0.53	0.49	1.19	1.00	1.77
1973	2.21	2.04	0.53	3.27	0.60	0.58	1.67	1.16	1.86
1974	2.23	2.05	0.50	3.23	0.58	0.53	1.41	1.10	2.30
1975	2.19	2.08	0.62	2.99	0.58	--	1.51	1.25	2.70
1976	2.23	2.06	0.60	3.32	0.73	--	1.67	1.24	2.89
1977	2.38	1.90	0.67	3.53	0.80	--	1.79	1.38	3.21
1978	2.62	2.50	0.72	3.88	0.87	--	2.16	1.53	3.46
1979	2.67	2.52	0.80	3.86	0.87	--	1.99	1.62	3.82
1980	2.95	2.78	0.98	4.00	0.97	--	1.91	1.87	4.49
1981	3.38	3.19	1.30	4.50	1.42	--	2.34	2.24	5.16
1982	3.58	3.30	2.09	4.69	1.69	--	2.70	2.81	5.79
1983	4.19	3.88	2.37	5.28	1.83	--	3.01	3.31	6.00
1984	4.30	3.88	2.57	5.72	2.02	--	2.58	3.38	6.27
1985	4.70	4.20	2.55	7.35	2.08	--	2.15	3.56	6.47
1986	5.02	4.54	2.60	8.04	2.54	--	1.89	3.71	6.47
1987	5.23	4.68	2.72	8.79	2.65	--	3.49	3.83	6.39
1988	5.41	4.79	3.16	9.41	2.60	--	3.40	4.14	6.36
1989	5.38	4.68	3.09	10.57	2.83	--	3.32	4.09	6.47
1990	5.45	4.74	2.84	11.59	2.07	--	3.87	3.97	6.57
1991	5.77	5.08	2.87	9.27	2.92	--	4.96	4.18	6.76
1992	5.86	5.23	2.86	10.21	2.73	--	4.82	4.23	6.85
1993	5.77	5.10	3.10	7.07	2.44	--	4.65	4.36	6.94
1994	5.96	5.17	3.30	7.17	2.28	--	4.54	4.51	6.91
1995	6.09	5.31	3.44	10.35	3.33	--	4.43	4.65	6.90
1996	6.22	5.51	3.30	11.99	5.38	--	4.73	4.72	6.86
1997	6.40	5.80	3.66	13.51	5.28	--	NA	5.20	6.85
1998[1]	6.50	5.87	3.19	14.09	NA	--	NA	4.80	6.74
1999[1]	6.78	6.35	2.84	14.36	NA	--	NA	5.01	6.66
2000[1]	6.49	5.60	3.97	NA	NA	--	NA	5.00	6.81
2001[1]	6.88	6.11	6.54	NA	NA	--	NA	6.54	7.32
2002[1]	7.23	6.53	3.70	NA	NA	--	NA	5.75	7.21
2003[1]	7.60	6.46	4.50	NA	NA	--	NA	6.28	7.40

NA: Not available. These categories now are rolled into Commercial or Other Sales (not included as a separate column in this table).

Note: Average annual prices were calculated by dividing total revenue by total sales as reported by Edison Electric Institute (1960-1999) and by U.S. Department of Energy Energy Information Administration (2000-2003).

[1] Calculation of prices are based on data that include distribution utility receipts for delivering power for power marketers, but may not include revenue and sales for some power marketers. This problem is believed to be most pronounced in 1999, the first full year of deregulation. Errors in price, where they exist, are unlikely to be more than a tenth of a cent or two.

Source: Edison Electric Institute, *Statistical Yearbook of the Electric Utility Industry* , 1961-2000; U.S. Department of Energy, Energy Information Administration, Form 861 Database (2000-2003, http://www.eia.doe.gov/cneaf/electricity/page/at_a_glance/sales_tabs.html).

Table E8. Utility Revenue, Retail Sales, Consumers and Average Price per Kilowatt-hour, 2002 (with comparison to 2000 average price)

	RESIDENTIAL			Average price (cents/kWh)[3]		COMMERCIAL			Average price (cents/kWh)[3]		INDUSTRIAL			Average price (cents/kWh)[3]		TOTAL			Average price (cents/kWh)[3]	
UTILITY NAME	Revenue ('000s)	Sales (aMW)[1]	Consumers[2]	2002	2000	Revenue ('000s)	Sales (aMW)[1]	Consumers[2]	2002	2000	Revenue ('000s)	Sales (aMW)[1]	Consumers[2]	2002	2000	Revenue ('000s)	Sales (aMW)[1]	Consumers[2]	2002	2000
Cooperative	$127,744	189.6	140,349	7.7	6.6	$54,651	90.3	18,523	6.9	5.7	$36,136	75.0	488	5.5	3.2	$228,166	371.0	168,305	7.0	5.2
Beartooth Electric Coop Inc	$3,989	5.3	4,571	8.6	7.7	$437	0.7	226	7.0	6.8	--	--	--	--	5.3	$4,553	6.3	4,870	8.3	7.5
Big Flat Electric Coop Inc	$1,433	2.0	1,458	8.2	8.1	$651	0.9	182	8.7	7.4	$230	0.2	6	10.8	10.2	$2,508	3.3	1,712	8.6	8.4
Big Horn County Elec Coop Inc	$2,547	3.6	2,905	8.1	7.7	$1,807	2.7	467	7.7	7.4	--	--	--	--	--	$4,593	6.6	3,454	7.9	7.6
Big Horn Rural Electric Co	$26	0.0	26	7.5	7.6	$69	0.1	23	12.1	11.2	--	--	--	--	--	$95	0.1	49	10.4	10.0
Fall River Rural Elec Coop Inc	$1,223	1.6	1,250	8.7	7.1	$1,884	3.4	482	6.4	5.4	--	--	--	--	--	$3,107	5.0	1,732	7.2	5.9
Fergus Electric Coop Inc	$4,899	6.2	5,160	9.0	8.6	$614	1.0	239	7.3	6.9	--	--	--	--	--	$6,192	8.5	5,560	8.3	8.0
Flathead Electric Coop Inc[4]	$43,317	60.4	43,417	8.2	5.1	$26,938	42.8	8,058	7.2	4.7	$24,427	49.9	14	5.6	2.8	$95,742	154.4	54,077	7.1	3.6
Glacier Electric Coop Inc	$5,431	7.1	5,395	8.8	7.6	$4,099	7.3	1,421	6.4	5.3	$1,317	2.9	5	5.2	4.6	$11,133	17.7	6,945	7.2	6.1
Goldenwest Electric Coop Inc	$370	0.5	456	8.5	9.8	$93	0.1	9	10.1	10.9	--	--	--	--	--	$513	0.6	627	9.2	10.5
Grand Electric Coop Inc	$7	0.0	14	6.7	7.1	--	--	--	--	--	--	--	--	--	--	$7	0.0	14	6.7	7.1
Hill County Electric Coop Inc	$2,969	3.7	3,154	9.1	9.3	$1,224	2.1	132	6.5	6.7	$1,296	4.7	2	3.2	2.8	$5,565	10.7	3,337	6.0	6.1
Lincoln Electric Coop Inc	$2,829	6.1	3,571	5.3	5.1	$1,069	2.4	538	5.0	4.8	$1,654	3.9	9	4.8	4.6	$5,584	12.6	4,124	5.1	4.9
Lower Yellowstone R E A Inc	$1,804	2.8	1,652	7.4	7.5	$604	0.7	424	9.5	9.6	$1,725	2.1	245	9.4	9.8	$4,451	5.9	3,019	8.6	8.8
Marias River Electric Coop Inc	$1,538	3.6	2,524	4.9	4.9	$2,329	4.8	1,190	5.5	5.6	--	--	--	--	5.1	$4,006	8.7	3,731	5.3	5.3
McCone Electric Coop Inc	$3,653	4.5	4,269	9.3	9.3	$1,223	1.9	462	7.2	7.2	$92	0.1	62	8.7	8.8	$4,979	6.5	4,797	8.7	8.7
McKenzie Electric Coop Inc	$42	0.1	105	8.0	7.8	$3	0.0	2	7.0	9.1	--	--	--	--	--	$45	0.1	107	7.9	7.8
Mid-Yellowstone Elec Coop Inc	$1,313	1.9	1,571	7.9	7.4	$208	0.3	152	7.4	7.7	--	--	--	--	--	$1,868	2.9	1,855	7.5	7.2
Missoula Electric Coop Inc	$7,944	14.2	10,740	6.4	6.6	$1,676	3.6	1,051	5.4	5.6	$671	1.5	4	5.0	5.0	$10,537	19.9	12,084	6.0	6.2
Northern Electric Coop Inc	$1,249	1.8	948	7.9	7.9	$1,183	1.4	291	9.7	10.3	--	--	--	--	--	$2,438	3.2	1,242	8.7	8.8
Northern Lights Inc	$2,746	3.6	2,994	8.7	7.2	$543	0.8	227	7.7	5.5	$474	0.5	3	9.9	7.6	$3,763	5.0	3,224	8.7	6.9
Park Electric Coop Inc	$4,136	5.7	4,372	8.2	8.3	$319	0.6	70	6.4	6.5	$2,034	4.8	1	4.8	7.0	$6,860	11.8	4,657	6.7	7.7
Powder River Energy Corp	$47	0.1	89	7.7	8.9	$363	0.7	69	5.7	5.8	--	--	--	--	--	$410	0.8	158	5.9	6.1
Ravalli County Elec Coop Inc	$6,765	11.3	7,551	6.8	6.8	$510	0.9	243	6.2	6.2	$169	0.4	1	5.0	5.0	$7,754	13.4	8,339	6.6	6.6
Sheridan Electric Coop Inc	$1,938	3.2	2,433	6.9	6.6	$3,653	5.4	710	7.8	7.4	--	--	--	--	12.5	$5,873	8.8	3,737	7.6	7.2
Southeast Electric Coop Inc	$1,539	1.6	1,861	11.0	7.6	$39	0.1	15	8.5	9.3	$291	0.6	1	5.7	5.7	$1,875	2.2	1,878	9.5	7.2
Sun River Electric Coop Inc	$3,681	5.0	3,738	8.3	8.4	$484	1.0	47	5.6	5.7	--	--	--	--	--	$5,787	8.6	4,999	7.7	7.0
Tongue River Electric Coop Inc	$3,366	5.8	3,549	6.6	6.8	$561	1.0	480	6.3	6.4	$840	1.7	41	5.6	6.0	$5,306	9.3	4,713	6.5	6.8
Valley Electric Coop Inc	$1,472	1.9	1,560	8.9	8.8	$370	0.5	212	8.3	7.7	--	--	--	--	--	$1,941	2.5	1,840	8.9	8.5
Vigilante Electric Coop Inc	$4,857	8.8	6,457	6.3	6.0	$364	0.8	113	5.3	5.3	--	--	--	--	--	$7,423	14.0	7,606	6.1	5.6
Yellowstone Valley Elec Co-op	$10,614	17.2	12,559	7.1	7.0	$1,334	2.3	988	6.6	6.5	$916	1.6	94	6.7	--	$13,258	21.8	13,818	6.9	6.8
Federal	$9,319	20.8	12,706	5.1	5.2	$5,746	11.7	2,785	5.6	5.8	$2,184	7.5	2	3.3	2.0	$18,772	53.3	18,252	4.0	2.4
Bonneville Power Administration[5]	--	--	--	--	--	--	--	--	--	--	$1,383	5.3	1	3.0	2.0	$1,383	5.3	1	3.0	2.0
USBIA-Mission Valley Power	$9,319	20.8	12,706	5.1	5.2	$5,746	11.7	2,785	5.6	5.8	$801	2.2	1	4.1	4.0	$16,094	34.9	18,228	5.3	5.4
Western Area Power Administration	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	$1,295	13.1	23	1.1	0.4
Municipal																				
Troy City of	$512	1.1	759	5.3	5.3	$141	0.3	78	5.1	4.6	$5	0.0	6	7.2	5.3	$761	1.6	912	5.3	5.1
Investor-Owned	$153,764	248.5	259,359	7.1	6.5	$164,112	293.7	58,201	6.4	5.7	$28,062	72.5	165	4.4	4.0	$357,720	622.4	321,578	6.6	5.7
Avista	$7	0.0	11	4.9	4.6	$2	0.0	1	6.5	8.0	--	--	--	--	--	$15	0.0	19	5.6	5.3
Black Hills Power Inc	$5	0.0	11	6.7	7.3	$18	0.0	19	9.8	12.2	$573	1.5	2	4.5	4.6	$596	1.5	32	4.6	4.7
MDU Resources Group Inc	$10,871	16.9	18,635	7.3	7.4	$11,090	22.9	4,526	5.5	5.6	$8,854	23.1	135	4.4	4.3	$31,615	64.6	23,632	5.6	5.7
NorthWestern Energy	$142,881	231.6	240,702	7.0	6.5	$153,002	270.8	53,655	6.4	5.8	$18,635	47.9	28	4.4	3.9	$325,494	556.2	297,895	6.7	5.7
Power Marketers[6,7]	$5	0.0	9	3.1	NA	$7,495	27.1	888	3.2	NA	$96,274	360.0	19	3.1	NA	$103,774	387.1	916	3.1	NA
Conoco Inc	--	--	--	--	NA	--	--	--	--	NA	$13,096	44.2	4	3.4	NA	$13,096	44.2	4	3.4	NA
Energy West Resources Inc	$5	0.0	9	3.1	2.4	$7,495	27.1	888	3.2	2.4	--	--	--	--	2.9	$7,500	27.2	897	3.2	2.6
Granite Peak Energy	--	--	--	--	NA	--	--	--	--	NA	$1,953	7.2	1	3.1	NA	$1,953	7.2	1	3.1	NA
Hinson Power Company, L.L.C.	--	--	--	--	NA	--	--	--	--	NA	$30,157	130.1	1	2.6	NA	$30,157	130.1	1	2.6	NA
PPL EnergyPlus LLC	--	--	--	--	NA	--	--	--	--	NA	$51,068	178.5	13	3.3	NA	$51,068	178.5	13	3.3	NA
STATE TOTALS	$291,344	460.0	413,182	7.2	6.5	$232,145	423.2	80,475	6.3	5.7	$162,661	515.0	680	3.6	2.9	$709,193	1,435.4	509,963	5.6	4.9

NA - not applicable

[1] One average megawatt = 8,760 kilowatt-hours.

[2] The number of ultimate consumers is an average of the number of consumers at the close of each month.

[3] Average price is the average revenue per kilowatt-hour of electricity sold, which is calculated by dividing revenue (in current dollars) by sales. It includes hook-up and demand charges.

[4] Between 2000 and 2002, Hinson Power took over provision of power to CFAC from Flathead Cooperative. This increased the average price of both Flathead and cooperatives in general.

[5] Market incentives paid CFAC to suspend operations were not subtracted from total revenue in 2000.

[6] Revenues don't cover transmission and distribution costs. For a rough estimate of price to the consumer, add 2.0 cents/kWh (or possibly more) to commercial and 1.0 cents/kWh (or possibly less) to industrial.

[7] NWE reported delivery of 29.3 aMW more than the listed power marketers reported sold. This unreported power went primarily to the commercial sector. Most of it may have been sold by Commercial Energy, which did not file Form 861 reports with US DOE.

Source: U.S. DOE, Energy Information Administration, Form 861 Database:http://www.eia.doe.gov/cneaf/electricity/page/eia861.html for 2000 and 2002.

Table E9. Percent Of Utility Sales In Montana And Other States, 2002

Utility	Percentage in Montana	Other States					
		State	Percent	State	Percent	State	Percent
Avista Corp	*	WA	66	ID	34		
Beartooth Electric Coop	100						
Big Flat Electric Coop	100						
Big Horn County Elec Coop	94	WY	6				
Big Horn Rural Electric Co.	1	WY	99				
Black Hills Power	1	SD	90	WY	10		
Bonneville Power Admin	4	WA	94	OR	2		
Conoco	100						
Energy West Resources	100						
Fall River Rural Elec Coop	20	ID	76	WY	4		
Fergus Electric Coop	100						
Flathead Electric Coop	100						
Glacier Electric Coop	100						
Goldenwest Electric Coop	34	ND	66				
Grand Electric Coop	*	SD	100				
Granite Peak Energy	100						
Hill County Electric Coop	100						
Hinson Power Company, L.L.C.	100						
Lincoln Electric Coop	100						
Lower Yellowstone R E A	79	ND	21				
Marias River Electric Coop	100						
McCone Electric Co-op	100						
McKenzie Electric Coop	*	ND	100				
MDU Resources Group	25	ND	59	WY	11	SD	6
Mid-Yellowstone Elec Coop	100						
Mission Valley Power	100						
Missoula Electric Coop	99	ID	1				
Northern Electric Coop	100						
Northern Lights	19	ID	81	WA	*		
NorthWestern Energy LLC	99	WY	1				
Park Electric Cooperative	100						
Powder River Energy Corp	*	WY	100				
PPL EnergyPlus LLC	52	PA	46	NJ	1	Other	1
Ravalli County Elec Coop	100						
Sheridan Electric Coop	94	ND	6				
Southeast Electric Coop	97	SD	2	WY	*		
Sun River Electric Coop	100						
Tongue River Electric Coop	100						
Troy City of	100						
Valley Electric Coop	100						
Vigilante Electric Coop	100	ID	*				
Western Area Power Admin	2	CA	60	AZ	16	Other	21
Yellowstone Valley Elec Coop	100						

* Less than 0.5 percent.

Source: U.S. Department of Energy, Energy Information Administration, Form EIA-861 database 2002, http://www.eia.doe.gov/cneaf/electricity/page/eia861.html.