

**Table 1. 2002 Summary Statistics**

Item	Value	U.S. Rank
<b>Montana</b>		
NERC Region(s).....		WSCC/MAPP
Primary Energy Source .....		Coal
Net Summer Capability (megawatts).....	5,172	40
Electric Utilities .....	2,232	39
Independent Power Producers & Combined Heat and Power .....	2,939	26
Net Generation (megawatthours).....	25,473,706	41
Electric Utilities .....	6,726,239	41
Independent Power Producers & Combined Heat and Power .....	18,747,467	14
Emissions (thousand short tons)		
Sulfur Dioxide.....	45	38
Nitrogen Oxide.....	39	37
Carbon Dioxide.....	18,302	38
Sulfur Dioxide/sq. mile.....	0	45
Nitrogen Oxide/sq. mile.....	0	46
Carbon Dioxide/sq. mile.....	126	46
Utility and ESP Retail Electricity Sales (megawatthours).....	12,574,530	41
Utility Retail Electricity Sales (megawatthours) .....	10,323,186	42
ESP Retail Electricity Sales (megawatthours).....	2,251,344	11
Direct Use (megawatthours).....	-335,980	48
Average Retail Price (cents/kWh).....	5.75	39

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2002**

Plant	Energy Sources	Operating Company	Net Capability (MW)
<b>Montana</b>			
1. Colstrip.....	Gas, Petroleum, Coal	PPL Montana LLC	2,094
2. Libby .....	Hydro	USCE-North Pacific Division	604
3. Noxon Rapids .....	Hydro	Avista Corporation	527
4. Hungry Horse.....	Hydro	U S Bureau of Reclamation	428
5. Yellowtail.....	Hydro	U S Bureau of Reclamation	287
6. Fort Peck.....	Hydro	USCE-Missouri River District	212
7. Kerr .....	Hydro	PPL Montana LLC	190
8. J E Corette Plant.....	Gas, Coal	PPL Montana LLC	150
9. Thompson Falls .....	Hydro	PPL Montana LLC	88
10. Ryan.....	Hydro	PPL Montana LLC	60

See footnotes at end of tables.

**Table 3. Top Five Utilities Ranked by Retail Sales, 2002**  
(Megawatthours)

Utility	All Sectors	Residential	Commercial	Industrial	Other
<b>Montana</b>					
A. Montana Power Company.....	4,872,363	2,028,621	2,372,317	419,587	51,838
B. PPL EnergyPlus LLC .....	1,563,435	0	0	1,563,435	0
C. Flathead Electric Coop, Inc.....	1,352,177	528,966	375,334	437,179	10,698
D. Hinson Power Company, Inc .....	1,139,849	0	0	1,139,849	0
E. MDU Resources Group, Inc .....	566,208	148,311	200,595	202,497	14,805
Total .....	9,494,032	2,705,898	2,948,246	3,762,547	77,341
Percentage of Utility Sales.....	76	67	80	83	24

See footnotes at end of tables.

**Table 4. Electric Power Industry Generating Capability by Primary Energy Source, 1993, 1997, and 2002**  
(Megawatts)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>Montana</b>							
Coal .....	2,260	2,294	52	-34.2	45.8	45.3	1.0
Petroleum .....	0	5	0	NM	.0	.1	.0
Natural Gas .....	70	0	0	NM	1.4	.0	.0
Dual Fired .....	50	53	58	1.6	1.0	1.0	1.1
Hydroelectric .....	2,478	2,591	2,122	-1.7	50.3	51.2	41.0
Other Renewables .....	13	0	0	NM	.3	.0	.0
<b>Total Electric Utilities .....</b>	<b>4,871</b>	<b>4,943</b>	<b>2,232</b>	<b>-8.3</b>	<b>98.8</b>	<b>97.6</b>	<b>43.2</b>
Coal .....	39	39	2,244	56.9	.8	.8	43.4
Petroleum .....	0	61	90	NM	.0	1.2	1.7
Hydroelectric .....	11	11	595	55.7	.2	.2	11.5
Other Renewables .....	10	10	11	.5	.2	.2	.2
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>60</b>	<b>121</b>	<b>2,939</b>	<b>54.0</b>	<b>1.2</b>	<b>2.4</b>	<b>56.8</b>
Coal .....	2,299	2,333	2,296	.0	46.6	46.1	44.4
Petroleum .....	0	66	90	NM	.0	1.3	1.7
Natural Gas .....	70	0	0	NM	1.4	.0	.0
Dual Fired .....	50	53	58	1.6	1.0	1.0	1.1
Hydroelectric .....	2,490	2,602	2,717	1.0	50.5	51.4	52.5
Other Renewables .....	23	10	11	-8.0	.5	.2	.2
<b>Total Electric Industry .....</b>	<b>4,931</b>	<b>5,064</b>	<b>5,172</b>	<b>.5</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1993, 1997, and 2002**  
(Megawatthours)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>Montana</b>							
Coal .....	13,774,690	14,409,921	285,747	-35.0	57.7	50.4	1.1
Petroleum .....	20,885	17,228	720	-31.2	.1	.1	.0
Natural Gas .....	24,159	31,625	6,747	-13.2	.1	.1	.0
Hydroelectric .....	9,549,364	13,348,499	6,433,025	-4.3	40.0	46.7	25.3
Other Renewables .....	78,224	0	0	NM	.3	.0	.0
<b>Total Electric Utilities .....</b>	<b>23,447,322</b>	<b>27,807,273</b>	<b>6,726,239</b>	<b>-13.0</b>	<b>98.2</b>	<b>97.3</b>	<b>26.4</b>
Coal .....	308,168	206,099	15,052,082	54.0	1.3	.7	59.1
Petroleum .....	1,184	419,404	468,939	94.4	.0	1.5	1.8
Natural Gas .....	10,761	16,986	9,932	-9	.0	.1	.0
Other Gases .....	0	30,861	19,160	NM	.0	.1	.1
Hydroelectric .....	64,724	57,995	3,133,884	53.9	.3	.2	12.3
Other Renewables .....	40,695	48,329	63,470	5.1	.2	.2	.2
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>425,533</b>	<b>779,673</b>	<b>18,747,467</b>	<b>52.3</b>	<b>1.8</b>	<b>2.7</b>	<b>73.6</b>
Coal .....	14,082,858	14,616,020	15,337,829	1.0	59.0	51.1	60.2
Petroleum .....	22,069	436,632	469,659	40.5	.1	1.5	1.8
Natural Gas .....	34,920	48,611	16,679	-7.9	.1	.2	.1
Other Gases .....	0	30,861	19,160	NM	.0	.1	.1
Hydroelectric .....	9,614,088	13,406,494	9,566,909	-1	40.3	46.9	37.6
Other Renewables .....	118,919	48,329	63,470	-6.7	.5	.2	.2
<b>Total Electric Industry .....</b>	<b>23,872,855</b>	<b>28,586,946</b>	<b>25,473,706</b>	<b>.7</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1993, 1997, and 2002**

Fuel	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
<b>Montana</b>				
Coal (2002 cents per million Btu) .....	77.3	70.2	60.9	-2.6
Average heat value (Btu per pound).....	8,496	8,426	8,461	*
Average sulfur Content(percent) .....	.7	.7	.6	-2
Petroleum (2002 cents per million Btu) .....	585.9	544.1	219.0	-10.3
Average heat value (Btu per gallon).....	141,000	141,000	137,748	-3
Average sulfur Content(percent) .....	.0	.0	3.7	NM
Gas (2002 cents per million Btu).....	298.9	1385.9	357.5	2.0
Average heat value (Btu per cubic foot).....	1,165	1,071	1,016	-1.5

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1993, 1997, and 2002**  
(Thousand Short Tons)

Emission Type	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
<b>Montana</b>				
<b>Sulfur Dioxide</b>				
Coal .....	20	20	26	2.6
Petroleum .....	*	*	19	150.1
Gas.....	0	0	0	NM
Other.....	*	*	*	4.4
Total .....	21	20	45	9.1
<b>Nitrogen Oxide</b>				
Coal .....	52	36	36	-3.9
Petroleum .....	*	1	1	66.9
Gas.....	*	*	2	51.0
Other.....	*	*	*	6.1
Total .....	52	37	39	-3.0
<b>Carbon Dioxide</b>				
Coal .....	16,509	16,967	17,593	.7
Petroleum .....	24	404	678	45.0
Gas.....	26	59	32	2.4
Total .....	16,559	17,429	18,302	1.1

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Revenue per Kilowatthour by Sector, 1993, 1997, and 2001**

Sector	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>Montana</b>							
Retail Sales (thousand megawatthours)							
Residential.....	3,598	3,804	4,030	1.3	27.8	31.9	32.0
Commercial.....	3,026	3,293	3,707	2.3	23.4	27.6	29.5
Industrial.....	5,837	4,537	4,511	-2.8	45.1	38.1	35.9
Other.....	469	284	326	-3.9	3.6	2.4	2.6
Total.....	12,929	11,917	12,575	-3	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	231	250	291	2.6	36.8	39.3	40.3
Commercial.....	172	196	242	3.9	27.3	30.8	33.4
Industrial.....	202	170	167	-2.1	32.1	26.8	23.1
Other.....	24	19	23	-1	3.8	3.1	3.2
Total.....	629	636	724	1.6	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	6.43	6.58	7.23	1.3	NA	NA	NA
Commercial.....	5.68	5.96	6.53	1.6	NA	NA	NA
Industrial.....	3.46	3.76	3.70	.8	NA	NA	NA
Other.....	5.02	6.86	7.14	4.0	NA	NA	NA
Total.....	4.86	5.34	5.75	1.9	NA	NA	NA

See footnotes at end of tables.

**Table 9. Utility Retail Sales Statistics, 2002**

Item	Investor-Owned	Public	Federal	Cooperative	Energy Service Providers	Total
<b>Montana</b>						
Number of Entities.....	3	8	2	26	4	43
Number of Retail Customers.....	321,559	25,601	18,229	143,659	915	509,963
Retail Sales (thousand megawatthours).....	5,452	1,653	352	2,866	2,251	12,575
Percentage of Retail Sales.....	43.35	13.15	2.80	22.79	17.90	100.00
Revenue from Retail Sales (million 2002 dollars).....	372	57	17	203	74	724
Percentage of Revenue.....	51.43	7.89	2.42	28.10	10.17	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	6.83	3.45	4.96	7.10	0	5.75

IPP = Independent Power Producer.

NA = Not available.

NM = Not meaningful.

\* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "\*\*").