Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Colorado		
NERC Region(s)		WECC
Primary Energy Source		Coal
Net Summer Capability (megawatts)	10,370	32
Electric Utilities	7,884	28
Independent Power Producers & Combined Heat and Power	2,486	31
Net Generation (megawatthours)	46,616,787	30
Electric Utilities	41,226,252	26
Independent Power Producers & Combined Heat and Power	5,390,534	35
Emissions (thousand metric tons)		
Sulfur Dioxide	70	30
Nitrogen Oxide	71	26
Carbon Dioxide	40,599	24
Sulfur Dioxide (lbs/MWh)	3.3	35
Nitrogen Oxide (lbs/MWh)	3.4	17
Carbon Dioxide (lbs/MWh)	1,920	11
Total Retail Sales (megawatthours)	46,494,645	27
Full Service Provider Sales (megawatthours)	46,494,645	26
Direct Use (megawatthours)	495,263	35
Average Retail Price (cents/kWh)	6.77	24

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Colorado			
1. Craig	Petroleum, Gas, Coal	Tri-State G & T Assn Inc	1,264
2. Cherokee	Gas, Coal	Public Service Co of Colorado	722
3. Fort St Vrain	Gas	Public Service Co of Colorado	691
4. Comanche	Gas, Coal	Public Service Co of Colorado	660
5. Pawnee	Gas, Coal	Public Service Co of Colorado	505
6. Front Range Power Project	Gas	Colorado Springs City of	462
7. Rawhide	Petroleum, Gas, Coal	Platte River Power Authority	450
8. Hayden	Petroleum, Gas, Coal	Public Service Co of Colorado	446
9. Cabin Creek	Hydro	Public Service Co of Colorado	324
10. Blue Spruce Energy Center	Gas	Blue Spruce Energy Center LLC	276

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Colorado						
1. Public Service Co of Colorado	Investor-Owned	25,845,962	8,251,118	12,868,557	4,688,829	37,458
2. Colorado Springs City of	Public	4,268,278	1,291,590	1,831,743	1,144,945	0
3. Intermountain Rural Elec Assn	Cooperative	1,729,110	1,125,014	511,511	92,585	0
4. Aquila Inc	Investor-Owned	1,728,312	546,859	675,719	505,734	0
5. Fort Collins City of	Public	1,330,081	433,488	462,099	434,494	0
Total Sales, Top Five Providers		34,901,743	11,648,069	16,349,629	6,866,587	37,458
Percent of Total State Sales		75	74	83	62	100

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Colorado							
Electric Utilities	**6,674**	**6,935**	**7,884**	**1.9**	**91.3**	**91.1**	**76.0**
Coal	4,954	4,962	4,891	–.1	67.7	65.2	47.2
Petroleum	141	142	162	1.6	1.9	1.9	1.6
Natural Gas	25	244	944	49.7	.3	3.2	9.1
Dual Fired	424	411	699	5.7	5.8	5.4	6.7
Hydroelectric	598	614	601	.1	8.2	8.1	5.8
Other Renewables	0	0	24	NM	.0	.0	.2
Pumped Storage	532	562	563	.6	7.3	7.4	5.4
Independent Power Producers and Combined Heat and Power	**639**	**677**	**2,486**	**16.3**	**8.7**	**8.9**	**24.0**
Coal	33	33	40	2.2	.5	.4	.4
Petroleum	3	3	2	–4.4	*	*	*
Natural Gas	381	606	1,915	19.7	5.2	8.0	18.5
Dual Fired	187	0	306	5.6	2.6	.0	3.0
Hydroelectric	30	30	38	2.7	.4	.4	.4
Other Renewables	5	5	185	49.4	.1	.1	1.8
Total Electric Industry	**7,313**	**7,613**	**10,370**	**4.0**	**100.0**	**100.0**	**100.0**
Coal	4,986	4,996	4,931	–.1	68.2	65.6	47.6
Petroleum	144	145	164	1.5	2.0	1.9	1.6
Natural Gas	407	850	2,859	24.2	5.6	11.2	27.6
Dual Fired	611	411	1,005	5.7	8.4	5.4	9.7
Hydroelectric	628	644	639	.2	8.6	8.5	6.2
Other Renewables	5	5	209	51.4	.1	.1	2.0
Pumped Storage	532	562	563	.6	7.3	7.4	5.4

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share 1994	Percentage Share 1998	Percentage Share 2003
Colorado							
Electric Utilities	**33,324,413**	**35,471,294**	**41,226,252**	**2.4**	**93.5**	**91.2**	**88.4**
Coal	31,401,250	33,079,201	35,807,527	1.5	88.1	85.1	76.8
Petroleum	8,913	36,736	33,927	16.0	*	.1	.1
Natural Gas	373,868	963,657	4,369,743	31.4	1.0	2.5	9.4
Other Gases	0	0	4,001	NM	.0	.0	*
Hydroelectric	1,428,515	1,346,170	1,156,217	–2.3	4.0	3.5	2.5
Other Renewables	0	0	58,477	NM	.0	.0	.1
Pumped Storage	111,867	45,530	–203,640	NM	.3	.1	–.4
Independent Power Producers and Combined Heat and Power	**2,327,498**	**3,410,269**	**5,390,534**	**9.8**	**6.5**	**8.8**	**11.6**
Coal	235,333	278,648	308,096	3.0	.7	.7	.7
Petroleum	1,307	12,454	67	–28.1	*	*	.0
Natural Gas	1,946,874	2,972,657	4,856,290	10.7	5.5	7.6	10.4
Hydroelectric	115,522	115,791	105,980	–1.0	.3	.3	.2
Other Renewables	28,462	30,719	120,102	17.3	.1	.1	.3
Total Electric Industry	**35,651,911**	**38,881,563**	**46,616,787**	**3.0**	**100.0**	**100.0**	**100.0**
Coal	31,636,583	33,357,849	36,115,623	1.5	88.7	85.8	77.5
Petroleum	10,220	49,190	33,994	14.3	*	.1	.1
Natural Gas	2,320,742	3,936,314	9,226,033	16.6	6.5	10.1	19.8
Other Gases	0	0	4,001	NM	.0	.0	*
Hydroelectric	1,544,037	1,461,961	1,262,197	–2.2	4.3	3.8	2.7
Other Renewables	28,462	30,719	178,579	22.6	.1	.1	.4
Pumped Storage	111,867	45,530	–203,640	NM	.3	.1	–.4

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Colorado				
Coal (cents per million Btu)	105.6	98.7	96.6	–1.0
Average heat value (Btu per pound)	9,946	9,834	9,793	–.2
Average sulfur Content (percent)	.4	.4	.4	–.3
Petroleum (cents per million Btu)	458.1	.0	W	W
Average heat value (Btu per gallon)	134,590	0	123,942	–.9
Average sulfur Content (percent)	.1	.0	*	–22.3
Natural Gas (cents per million Btu)	212.5	300.3	429.9	8.1
Average heat value (Btu per cubic foot)	1,042	994	1,027	–.2

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Colorado				
Sulfur Dioxide				
Coal	98	97	70	–3.6
Petroleum	*	*	*	3.2
Natural Gas	*	*	*	19.6
Other	*	—	—	NM
Total	98	97	70	–3.6
Nitrogen Oxide				
Coal	136	73	67	–7.5
Petroleum	*	*	*	25.6
Gas	3	4	4	2.7
Other	*	*	*	–23.5
Total	139	77	71	–7.2
Carbon Dioxide				
Coal	32,044	33,600	35,999	1.3
Petroleum	14	67	32	9.7
Gas	1,431	2,163	4,569	13.8
Geothermal	—	—	—	NM
Other	—	—	—	NM
Total	33,488	35,830	40,599	2.2

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Colorado							
Retail Sales (thousand megawatthours)							
Residential	10,939	12,652	15,725	4.1	31.7	32.0	33.8
Commercial	12,953	15,959	19,657	4.7	37.5	40.3	42.3
Industrial	9,620	9,998	11,076	1.6	27.9	25.3	23.8
Other	990	965	NA	NM	2.9	2.4	NA
Transportation	NA	NA	37	NM	NA	NA	.1
Total	34,502	39,574	46,495	3.4	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential	805	942	1,280	5.3	38.4	40.0	40.7
Commercial	777	904	1,298	5.9	37.1	38.3	41.3
Industrial	440	433	565	2.8	21.0	18.4	18.0
Other	74	76	NA	NM	3.5	3.2	NA
Transportation	NA	NA	3	NM	NA	NA	.1
Total	2,096	2,357	3,146	4.6	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential	7.36	7.45	8.14	1.1	NA	NA	NA
Commercial	6.00	5.67	6.60	1.1	NA	NA	NA
Industrial	4.58	4.34	5.10	1.2	NA	NA	NA
Other	7.43	7.92	NA	NM	NA	NA	NA
Transportation	NA	NA	7.32	NM	NA	NA	NA
Total	6.07	5.95	6.77	1.2	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Colorado								
Number of Entities	2	29	1	28	7	NA	NA	67
Number of Retail Customers	1,365,652	391,150	5	508,019	7	NA	NA	2,264,833
Retail Sales (thousand megawatthours)	27,574	8,109	69	10,380	362	NA	NA	46,495
Percentage of Retail Sales	59.31	17.44	.15	22.33	.78	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,901	471	1	761	13	NA	NA	3,146
Percentage of Revenue	60.41	14.96	.04	24.20	.40	NA	NA	100.00
Average Retail Price (cents/kWh)	6.89	5.80	1.73	7.33	3.48	NA	NA	6.77

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. ''Public'' entities include municipalities, State power agencies, and municipal marketing authorities. ''Federal'' entities are either owned or financed by the Federal Government. ''Cooperatives'' are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit,and/or distribute supplies of electric energy to a specified area not being serviced by another utility. ''Facility'' sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;
W = Withheld to avoid disclosure of individual company data;
* = 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 '*'.)
Totals may not equal sum of components because of independent rounding;
Table 4 ''Other Renewables'' includes generation from municipal solid waste; Table 7 ''Other'' includes emissions from municipal solid waste.
Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.