

Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Utah		
NERC Region(s).....		WECC
Primary Energy Source		Coal
Net Summer Capability (megawatts).....	5,798	39
Electric Utilities	5,575	31
Independent Power Producers & Combined Heat and Power	222	46
Net Generation (megawatthours)	38,023,666	35
Electric Utilities	37,544,892	29
Independent Power Producers & Combined Heat and Power	478,774	46
Emissions (thousand metric tons)		
Sulfur Dioxide	32	38
Nitrogen Oxide.....	68	30
Carbon Dioxide.....	34,423	28
Sulfur Dioxide (lbs/MWh).....	1.9	41
Nitrogen Oxide (lbs/MWh).....	3.9	13
Carbon Dioxide (lbs/MWh).....	1,996	9
Total Retail Sales (megawatthours).....	23,860,350	37
Full Service Provider Sales (megawatthours).....	23,860,350	37
Direct Use (megawatthours).....	360,206	40
Average Retail Price (cents/kWh).....	5.41	46

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Utah			
1. Intermountain Power Project	Petroleum, Coal	Los Angeles City of	1,640
2. Hunter	Petroleum, Coal	PacifiCorp	1,320
3. Huntington.....	Petroleum, Coal	PacifiCorp	895
4. Bonanza	Petroleum, Coal	Deseret Generation & Tran Coop	425
5. Gadsby	Gas	PacifiCorp	349
6. West Valley Generation Project	Gas	PacifiCorp	185
7. Carbon	Petroleum, Coal	PacifiCorp	172
8. Murray Turbine	Gas	Murray City of	159
9. Flaming Gorge.....	Hydro	U S Bureau of Reclamation	152
10. KUCC	Hydro	Kennecott Utah Copper Corporation	93

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
Utah						
1. PacifiCorp	Investor-Owned	19,204,334	5,407,852	6,901,439	6,870,415	24,628
2. Provo City Corp.....	Public	711,158	218,306	368,263	124,589	0
3. St George City of.....	Public	503,052	234,584	104,075	164,393	0
4. Logan City of.....	Public	395,018	83,802	226,980	84,236	0
5. Murray City of.....	Public	368,688	111,578	257,110	0	0
Total Sales, Top Five Providers.....		21,182,250	6,056,122	7,857,867	7,243,633	24,628
Percent of Total State Sales		89	85	87	95	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
Utah							
Electric Utilities	4,815	5,076	5,575	1.6	97.2	97.5	96.2
Coal.....	4,272	4,448	4,461	.5	86.3	85.4	76.9
Petroleum.....	25	33	28	1.3	.5	.6	.5
Natural Gas.....	173	238	719	17.1	3.5	4.6	12.4
Dual Fired.....	53	57	82	5.0	1.1	1.1	1.4
Hydroelectric.....	257	265	252	-.2	5.2	5.1	4.3
Other Renewables.....	35	35	33	-.7	.7	.7	.6
Independent Power Producers and Combined							
Heat and Power	136	130	222	5.6	2.7	2.5	3.8
Coal.....	54	54	144	11.5	1.1	1.0	2.5
Petroleum.....	1	20	3	13.0	*	.4	.1
Natural Gas.....	2	4	72	48.9	*	.1	1.2
Other Gases.....	48	48	0	NM	1.0	.9	.0
Dual Fired.....	21	0	0	NM	.4	.0	.0
Hydroelectric.....	10	4	2	-16.4	.2	.1	*
Other Renewables.....	0	0	1	NM	.0	.0	*
Total Electric Industry	4,953	5,206	5,798	1.8	100.0	100.0	100.0
Coal.....	4,327	4,502	4,606	.7	87.4	86.5	79.4
Petroleum.....	27	53	31	1.5	.5	1.0	.5
Natural Gas.....	175	242	791	18.2	3.5	4.6	13.6
Other Gases.....	48	48	0	NM	1.0	.9	.0
Dual Fired.....	74	57	82	1.1	1.5	1.1	1.4
Hydroelectric.....	267	269	254	-.6	5.4	5.2	4.4
Other Renewables.....	35	35	34	-.3	.7	.7	.6

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	1998	2003
Utah							
Electric Utilities	34,455,058	35,160,477	37,544,892	1.0	97.9	97.9	98.7
Coal.....	32,764,465	33,206,731	35,579,158	.9	93.1	92.5	93.6
Petroleum.....	30,154	31,289	31,386	.4	.1	.1	.1
Natural Gas.....	749,605	463,348	1,322,984	6.5	2.1	1.3	3.5
Hydroelectric.....	716,030	1,299,052	412,899	-5.9	2.0	3.6	1.1
Other Renewables.....	194,804	160,057	198,465	.2	.6	.4	.5
Independent Power Producers and Combined							
Heat and Power	741,776	749,953	478,774	-4.7	2.1	2.1	1.3
Coal.....	366,199	380,943	399,490	1.0	1.0	1.1	1.1
Petroleum.....	2,946	3,659	1,480	-7.4	*	*	*
Natural Gas.....	57,654	64,909	60,123	.5	.2	.2	.2
Other Gases.....	280,569	284,783	0	NM	.8	.8	.0
Hydroelectric.....	34,408	15,659	8,440	-14.5	.1	*	*
Other Renewables.....	0	0	9,241	NM	.0	.0	*
Total Electric Industry	35,196,834	35,910,430	38,023,666	.9	100.0	100.0	100.0
Coal.....	33,130,664	33,587,674	35,978,648	.9	94.1	93.5	94.6
Petroleum.....	33,100	34,948	32,866	-1.1	.1	.1	.1
Natural Gas.....	807,259	528,257	1,383,107	6.2	2.3	1.5	3.6
Other Gases.....	280,569	284,783	0	NM	.8	.8	.0
Hydroelectric.....	750,438	1,314,711	421,339	-6.2	2.1	3.7	1.1
Other Renewables.....	194,804	160,057	207,706	.7	.6	.4	.5

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)
Utah				
Coal (cents per million Btu).....	113.6	114.8	W	W
Average heat value (Btu per pound).....	11,491	11,310	11,025	-0.5
Average sulfur Content (percent).....	.5	.5	.5	1.7
Petroleum (cents per million Btu).....	467.4	439.5	722.2	5.0
Average heat value (Btu per gallon).....	139,839	139,758	139,492	*
Average sulfur Content (percent).....	.3	.3	.2	-2.0
Natural Gas (cents per million Btu).....	231.6	202.5	W	W
Average heat value (Btu per cubic foot).....	1,044	1,044	1,061	.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)
Utah				
Sulfur Dioxide				
Coal	27	29	32	1.9
Petroleum	*	—	*	-5.5
Natural Gas	—	—	*	NM
Other	—	—	*	NM
Total	27	29	32	1.9
Nitrogen Oxide				
Coal	106	72	67	-5.0
Petroleum	*	*	*	-2.8
Gas	1	1	*	-10.4
Other	—	—	*	NM
Total	107	72	68	-5.0
Carbon Dioxide				
Coal	31,589	31,758	33,559	.7
Petroleum	25	28	26	.6
Gas	531	371	779	4.4
Geothermal	5	4	5	.1
Other	—	—	54	NM
Total	32,149	32,161	34,423	.8

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
Utah							
Retail Sales (thousand megawatthours)							
Residential	5,009	5,756	7,166	4.1	28.1	27.8	30.0
Commercial	5,500	6,709	9,024	5.7	30.8	32.4	37.8
Industrial	6,498	7,511	7,646	1.8	36.4	36.3	32.0
Other	841	724	NA	NM	4.7	3.5	NA
Transportation	NA	NA	25	NM	NA	NA	.1
Total	17,847	20,700	23,860	3.3	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential	346	394	494	4.0	36.2	36.9	38.3
Commercial	323	383	504	5.1	33.8	35.8	39.1
Industrial	249	259	290	1.7	26.0	24.2	22.5
Other	38	33	NA	NM	4.0	3.1	NA
Transportation	NA	NA	1	NM	NA	NA	.1
Total	956	1,069	1,290	3.4	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential	6.91	6.84	6.90	*	NA	NA	NA
Commercial	5.87	5.71	5.59	-.5	NA	NA	NA
Industrial	3.83	3.45	3.79	-.1	NA	NA	NA
Other	4.50	4.50	NA	NM	NA	NA	NA
Transportation	NA	NA	6.01	NM	NA	NA	NA
Total	5.36	5.16	5.41	.1	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	
Utah								
Number of Entities.....	1	41	1	9	NA	NA	NA	52
Number of Retail Customers.....	699,483	196,459	4	33,957	NA	NA	NA	929,903
Retail Sales (thousand megawatthours)	19,204	3,841	63	752	NA	NA	NA	23,860
Percentage of Retail Sales	80.49	16.10	.26	3.15	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	966	276	2	46	NA	NA	NA	1,290
Percentage of Revenue.....	74.90	21.37	.14	3.59	NA	NA	NA	100.00
Average Retail Price (cents/kWh).....	5.03	7.18	2.92	6.15	NA	NA	NA	5.41

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.