

Table 1. 2002 Summary Statistics

Item	Value	U.S. Rank
Utah		
NERC Region(s).....		WSCC
Primary Energy Source		Coal
Net Summer Capability (megawatts).....	5,752	39
Electric Utilities	5,573	31
Independent Power Producers & Combined Heat and Power	179	47
Net Generation (megawatthours).....	36,608,003	35
Electric Utilities	36,071,946	29
Independent Power Producers & Combined Heat and Power	536,057	46
Emissions (thousand short tons)		
Sulfur Dioxide	51	34
Nitrogen Oxide	77	30
Carbon Dioxide	37,173	28
Sulfur Dioxide/sq. mile.....	1	39
Nitrogen Oxide/sq. mile.....	1	35
Carbon Dioxide/sq. mile.....	452	37
Utility and ESP Retail Electricity Sales (megawatthours).....	23,267,188	37
Utility Retail Electricity Sales (megawatthours)	23,267,188	37
Direct Use (megawatthours).....	400,012	33
Average Retail Price (cents/kWh).....	5.39	47

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
Utah			
1. Intermountain Power P.....	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 Generatio	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. Desert Power LP.....	Gas	Desert Power LP	68

See footnotes at end of tables.

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

Utility	All Sectors	Residential	Commercial	Industrial	Other
Utah					
A. PacifiCorp.....	18,719,865	5,250,614	6,517,053	6,403,497	548,701
B. Provo City Corporation	706,560	213,901	367,429	120,392	4,838
C. St George Dept Water & Power	467,707	210,792	240,872	0	16,043
D. Logan City Light & Power	388,401	83,846	153,204	86,021	65,330
E. Murray City Power Department	365,004	110,967	244,972	0	9,065
Total	20,647,537	5,870,120	7,523,530	6,609,910	643,977
Percentage of Utility Sales.....	89	85	89	94	76

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
Utah							
Coal	4,271	4,318	4,461	0.5	86.3	85.1	77.6
Petroleum	25	33	28	1.0	.5	.7	.5
Natural Gas	173	238	719	17.1	3.5	4.7	12.5
Dual Fired	54	57	81	4.5	1.1	1.1	1.4
Hydroelectric	253	263	252	.0	5.1	5.2	4.4
Other Renewables	35	35	33	-.8	.7	.7	.6
Total Electric Utilities	4,812	4,945	5,573	1.6	97.2	97.4	96.9
Coal	54	54	101	7.1	1.1	1.1	1.8
Petroleum	1	10	3	10.3	.0	.2	.1
Natural Gas	2	11	72	49.7	.0	.2	1.2
Other Gases	48	48	0	NM	1.0	.9	.0
Dual Fired	20	3	0	NM	.4	.1	.0
Hydroelectric	10	4	2	-15.7	.2	.1	.0
Other Renewables	0	0	1	NM	.0	.0	.0
Total IPP's & Combined Heat and Power	136	130	179	3.1	2.8	2.6	3.1
Coal	4,325	4,372	4,562	.6	87.4	86.2	79.3
Petroleum	27	43	31	1.6	.5	.9	.5
Natural Gas	175	249	791	18.2	3.5	4.9	13.7
Other Gases	48	48	0	NM	1.0	.9	.0
Dual Fired	75	60	81	.8	1.5	1.2	1.4
Hydroelectric	263	267	254	-.4	5.3	5.3	4.4
Other Renewables	35	35	34	-.3	.7	.7	.6
Total Electric Industry	4,948	5,075	5,752	1.7	100.0	100.0	100.0

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
Utah							
Coal	31,919,309	32,143,936	34,080,979	0.7	93.7	92.6	93.1
Petroleum	32,104	28,836	53,469	5.8	.1	.1	.1
Natural Gas	542,969	297,457	1,268,326	9.9	1.6	.9	3.5
Hydroelectric	818,409	1,330,578	451,521	-6.4	2.4	3.8	1.2
Other Renewables	148,148	168,518	217,651	4.4	.4	.5	.6
Total Electric Utilities	33,460,939	33,969,325	36,071,946	.8	98.2	97.9	98.5
Coal	206,484	400,067	406,744	7.8	.6	1.2	1.1
Petroleum	4,482	18,112	50	-39.3	.0	.1	.0
Natural Gas	63,130	30,108	111,855	6.6	.2	.1	.3
Other Gases	281,457	281,018	0	NM	.8	.8	.0
Hydroelectric	41,611	13,583	6,211	-19.0	.1	.0	.0
Other Renewables	0	0	11,197	NM	.0	.0	.0
Total IPP's & Combined Heat and Power	597,163	742,888	536,057	-1.2	1.8	2.1	1.5
Coal	32,125,793	32,544,003	34,487,723	.8	94.3	93.8	94.2
Petroleum	36,586	46,948	53,519	4.3	.1	.1	.1
Natural Gas	606,099	327,565	1,380,181	9.6	1.8	.9	3.8
Other Gases	281,457	281,018	0	NM	.8	.8	.0
Hydroelectric	860,020	1,344,161	457,732	-6.8	2.5	3.9	1.3
Other Renewables	148,148	168,518	228,848	5.0	.4	.5	.6
Total Electric Industry	34,058,102	34,712,213	36,608,003	.8	100.0	100.0	100.0

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)
Utah				
Coal (2002 cents per million Btu)	132.6	114.4	97.5	-3.4
Average heat value (Btu per pound)	11,489	11,330	11,259	-2
Average sulfur Content(percent)5	.5	.5	1.6
Petroleum (2002 cents per million Btu)	601.0	599.8	556.4	-8
Average heat value (Btu per gallon)	139,596	139,821	140,364	.1
Average sulfur Content(percent)0	.0	.3	NM
Gas (2002 cents per million Btu).....	242.6	208.6	423.0	6.4
Average heat value (Btu per cubic foot).....	1,063	1,032	1,006	-6

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)
Utah				
Sulfur Dioxide				
Coal	33	34	51	5.0
Petroleum	*	*	*	13.0
Gas.....	*	*	0	NM
Other.....	0	0	0	NM
Total	33	34	51	5.0
Nitrogen Oxide				
Coal	99	73	76	-2.9
Petroleum	*	*	*	-7.0
Gas.....	7	6	1	-19.1
Other.....	0	0	*	NM
Total	105	79	77	-3.4
Carbon Dioxide				
Coal	33,832	34,381	36,181	.8
Petroleum	30	37	45	4.7
Gas.....	564	400	944	5.9
Other.....	0	0	3	NM
Total	34,426	34,818	37,173	.9

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
Utah							
Retail Sales (thousand megawatthours)							
Residential.....	4,726	5,661	6,938	4.4	28.0	27.8	29.8
Commercial.....	5,020	6,469	8,463	6.0	29.8	31.8	36.4
Industrial	6,221	7,430	7,019	1.3	36.9	36.5	30.2
Other	900	815	846	-7	5.3	4.0	3.6
Total	16,867	20,376	23,267	3.6	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	361	401	471	3.0	36.0	37.0	37.6
Commercial.....	333	380	474	4.0	33.3	35.1	37.8
Industrial	262	266	269	.3	26.1	24.6	21.5
Other	45	36	40	-1.4	4.5	3.4	3.2
Total	1,001	1,084	1,255	2.5	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	7.63	7.08	6.79	-1.3	NA	NA	NA
Commercial.....	6.64	5.88	5.60	-1.9	NA	NA	NA
Industrial	4.21	3.58	3.84	-1.0	NA	NA	NA
Other	5.00	4.46	4.69	-7	NA	NA	NA
Total	5.93	5.32	5.39	-1.1	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
Utah						
Number of Entities.....	0	50	0	2	0	52
Number of Retail Customers.....	0	902,374	0	2,164	0	904,538
Retail Sales (thousand megawatthours).....	0	23,231	0	36	0	23,267
Percentage of Retail Sales.....	.00	99.84	.00	.16	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	0	1,252	0	2	0	1,255
Percentage of Revenue.....	.00	99.81	.00	.19	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	.00	5.39	.00	6.46	0	5.39

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 "**".)