

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Utah		
NERC Region(s).....		WECC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	6,712	38
Electric Utilities.....	6,212	32
Independent Power Producers & Combined Heat and Power.....	500	46
Net Generation (megawatthours).....	41,263,324	35
Electric Utilities.....	39,590,509	28
Independent Power Producers & Combined Heat and Power.....	1,672,815	44
Emissions (thousand metric tons)		
Sulfur Dioxide	34	35
Nitrogen Oxide.....	69	24
Carbon Dioxide.....	36,445	27
Sulfur Dioxide (lbs/MWh)	1.8	39
Nitrogen Oxide (lbs/MWh)	3.7	9
Carbon Dioxide (lbs/MWh).....	1,947	9
Total Retail Sales (megawatthours).....	26,365,716	37
Full Service Provider Sales (megawatthours)	26,365,716	37
Direct Use (megawatthours)	967,261	29
Average Retail Price (cents/kWh).....	5.99	47

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Utah			
1. Intermountain Power Project.....	Coal	Los Angeles City of	1,800
2. Hunter	Coal	PacifiCorp	1,320
3. Huntington	Coal	PacifiCorp	895
4. Currant Creek	Gas	PacifiCorp	527
5. Bonanza	Coal	Deseret Generation & Tran Coop	458
6. Gadsby	Gas	PacifiCorp	352
7. West Valley Generation Project	Gas	PacifiCorp	202
8. KUCC	Coal	Kennecott Utah Copper Corporation	187
9. Carbon	Coal	PacifiCorp	172
10. Flaming Gorge.....	Hydroelectric	U S Bureau of Reclamation	152

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
1. PacifiCorp.....	Investor-Owned	21,227,144	6,139,297	7,575,699	7,482,943	29,205
2. Provo City Corporation	Public	759,609	230,898	393,706	135,005	-
3. City of St George.....	Public	537,408	330,408	78,000	129,000	-
4. City of Logan.....	Public	419,300	89,228	171,084	158,988	-
5. City of Murray.....	Public	397,899	116,103	281,796	-	-
Total Sales, Top Five Providers		23,341,360	6,905,934	8,500,285	7,905,936	29,205
Percent of Total State Sales		89	84	87	95	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Electric Utilities.....	4,805	4,927	5,129	5,573	5,574	5,754	6,053	6,212	98.3	92.6
Coal.....	4,316	4,374	4,464	4,461	4,461	4,645	4,645	4,645	88.3	69.2
Petroleum.....	26	25	50	45	46	38	35	35	0.5	0.5
Natural Gas	228	231	332	782	782	796	1,098	1,257	4.7	18.7
Hydroelectric	213	261	251	252	252	252	253	253	4.4	3.8
Other Renewables.....	21	35	33	33	33	23	23	23	0.4	0.3
Pumped Storage.....	*	*	-	-	-	-	-	-	*	-
Independent Power Producers and Combined Heat and Power	82	136	179	179	223	436	475	500	1.7	7.4
Coal.....	-	54	101	101	144	181	246	246	-	3.7
Petroleum.....	3	2	3	3	3	-	-	-	0.1	-
Natural Gas	20	21	72	72	72	195	225	215	0.4	3.2
Other Gases.....	48	48	-	-	-	-	-	-	1.0	-
Hydroelectric	10	10	2	2	2	2	2	2	0.2	*
Other Renewables.....	-	-	1	1	1	1	1	4	-	0.1
Other	-	-	-	-	-	57	-	32	-	0.5
Total Electric Industry.....	4,886	5,063	5,308	5,752	5,797	6,190	6,528	6,712	100.0	100.0
Coal.....	4,316	4,429	4,565	4,562	4,606	4,826	4,891	4,891	88.3	72.9
Petroleum.....	30	27	53	48	49	38	35	35	0.6	0.5
Natural Gas	249	253	404	854	854	991	1,323	1,473	5.1	21.9
Other Gases.....	48	48	-	-	-	-	-	-	1.0	-
Hydroelectric	223	271	253	254	254	254	255	255	4.6	3.8
Other Renewables.....	21	35	34	34	34	24	24	27	0.4	0.4
Pumped Storage.....	*	*	-	-	-	-	-	-	*	-
Other	-	-	-	-	-	57	-	32	-	0.5

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Utah										
Electric Utilities.....	32,260,340	32,101,107	35,138,801	36,071,946	37,544,892	37,165,917	36,695,193	39,590,509	99.1	95.9
Coal.....	31,519,477	30,259,914	33,204,340	34,080,979	35,579,158	35,634,374	34,824,862	35,667,551	96.8	86.4
Petroleum.....	49,262	34,000	57,538	53,469	31,386	32,567	40,245	29,619	0.2	0.1
Natural Gas.....	54,034	741,115	1,223,978	1,268,326	1,322,984	864,181	874,505	2,965,072	0.2	7.2
Hydroelectric.....	485,742	926,336	500,203	451,521	412,899	439,919	770,779	737,659	1.5	1.8
Other Renewables.....	151,825	139,742	152,742	217,651	198,465	194,876	184,802	190,608	0.5	0.5
Independent Power Producers and Combined Heat and Power.....	303,199	706,281	714,949	536,057	478,774	1,046,060	1,469,938	1,672,815	0.9	4.1
Coal.....	3,449	351,149	474,968	406,744	399,490	983,480	1,145,543	1,187,999	*	2.9
Petroleum.....	2,590	1,934	38	50	1,480	-	664	32,469	*	0.1
Natural Gas.....	92,454	50,097	222,099	111,855	60,123	45,669	302,996	423,478	0.3	1.0
Other Gases.....	182,005	260,694	-	-	-	-	-	-	0.6	-
Hydroelectric.....	22,701	42,407	8,202	6,211	8,440	9,929	13,684	9,124	0.1	*
Other Renewables.....	-	-	5,496	6,270	5,083	3,840	3,948 ^R	14,889	-	*
Other.....	-	-	4,146	4,927	4,158	3,142	3,102	4,855	-	*
Total Electric Industry.....	32,563,539	32,807,388	35,853,750	36,608,003	38,023,666	38,211,977	38,165,131	41,263,324	100.0	100.0
Coal.....	31,522,926	30,611,063	33,679,308	34,487,723	35,978,648	36,617,854	35,970,405	36,855,550	96.8	89.3
Petroleum.....	51,852	35,934	57,576	53,519	32,866	32,567	40,909	62,088	0.2	0.2
Natural Gas.....	146,488	791,212	1,446,077	1,380,181	1,383,107	909,850	1,177,501	3,388,550	0.4	8.2
Other Gases.....	182,005	260,694	-	-	-	-	-	-	0.6	-
Hydroelectric.....	508,443	968,743	508,405	457,732	421,339	449,848	784,463	746,783	1.6	1.8
Other Renewables.....	151,825	139,742	158,238	223,921	203,548	198,716	188,750 ^R	205,497	0.5	0.5
Other.....	-	-	4,146	4,927	4,158	3,142	3,102	4,855	-	*

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Utah								
Coal (cents per million Btu)	117	109	112	W	W	W	W	W
Average heat value (Btu per pound)	11,483	11,550	11,375	11,223	11,025	10,718	10,786	10,981
Average sulfur Content (percent)	0.49	0.47	0.49	0.55	0.55	0.52	0.52	0.58
Petroleum (cents per million Btu)	541	505	635	556	722	924	1,291	1,525
Average heat value (Btu per gallon)	140,000	139,338	139,286	139,821	139,493	139,512	139,752	139,660
Average sulfur Content (percent)	0.30	0.20	0.26	0.28	0.23	0.23	0.26	0.25
Natural Gas (cents per million Btu)	504	215	464	W	W	W	W	W
Average heat value (Btu per cubic foot)	1,000	1,055	1,030	1,056	1,062	1,049	1,047	1,052

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Utah								
Sulfur Dioxide								
Coal	29	26	32	30	32	34	31	34
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	-	*	*	*	*	*	*	*
Other	-	-	*	2	*	*	*	-
Total	29	26	33	32	32	34	31	34
Nitrogen Oxide								
Coal	109	102	66	65	64	65	62	68
Petroleum	*	*	*	*	*	*	*	*
Natural Gas	*	1	3	2	2	1	1	1
Other	-	-	1	6	*	*	*	*
Total	109	103	70	74	66	66	64	69
Carbon Dioxide								
Coal	28,768	28,796	31,391	32,497	33,520	34,511	35,120	34,707
Petroleum	35	28	46	41	26	26	31	55
Natural Gas	89	520	1,020	832	780	525	698	1,623
Geothermal	4	4	4	6	5	5	5	5
Other Renewables	-	-	55	59	54	57	57	56
Total	28,896	29,348	32,516	33,434	34,385	35,124	35,911	36,445

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Utah										
Retail Sales (thousand megawatthours)										
Residential	4,246	5,041	6,693	6,938	7,166	7,325	7,567	8,232	27.6	31.2
Commercial	4,515	5,642	8,262	8,463	9,024	9,345	9,417	9,749	29.3	37.0
Industrial	5,766	6,957	7,411	7,019	7,646	7,816	7,989	8,356	37.4	31.7
Other	875	820	851	846	NA	NA	NA	NA	5.7	NA
Transportation	NA	NA	NA	NA	25	25	28	29	NA	0.1
All Sectors	15,402	18,460	23,217	23,267	23,860	24,512	25,000	26,366	100.0	100.0
Retail Revenue (million dollars)										
Residential	303	350	450	471	494	528	569	625	36.0	39.6
Commercial	283	334	461	474	504	551	571	599	33.6	38.0
Industrial	219	259	262	269	290	314	339	352	26.1	22.3
Other	36	37	39	40	NA	NA	NA	NA	4.3	NA
Transportation	NA	NA	NA	NA	1	2	2	2	NA	0.1
All Sectors	841	979	1,211	1,255	1,290	1,395	1,481	1,578	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.13	6.94	6.72	6.79	6.90	7.21	7.52	7.59	NA	NA
Commercial	6.26	5.92	5.58	5.60	5.59	5.90	6.07	6.15	NA	NA
Industrial	3.80	3.72	3.53	3.84	3.79	4.01	4.24	4.21	NA	NA
Other	4.16	4.46	4.53	4.69	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	6.01	6.57	7.20	7.19	NA	NA
All Sectors	5.46	5.30	5.21	5.39	5.41	5.69	5.92	5.99	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities	1	40	1	9	NA	NA	NA	51
Number of Retail Customers	747,525	215,769	9	40,037	NA	NA	NA	1,003,340
Retail Sales (thousand megawatthours)	21,227	4,180	48	911	NA	NA	NA	26,366
Percentage of Retail Sales	80.51	15.86	0.18	3.45	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	1,206	312	1	59	NA	NA	NA	1,578
Percentage of Revenue	76.40	19.77	0.08	3.76	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	5.68	7.46	2.59	6.52	NA	NA	NA	5.99

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 services. 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.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Utah								
Supply								
Generation								
Electric Utilities	32,260	32,101	35,139	36,072	37,545	37,166	36,695	39,591
Independent Power Producers	23	377	396	485	447	406	706	829
Combined Heat and Power, Electric	-	-	10	11	9	7	7	11
Electric Power Sector Generation Subtotal	32,283	32,478	35,544	36,568	38,002	37,579	37,408	40,430
Combined Heat and Power, Commercial	30	28	21	24	22	21	20	28
Combined Heat and Power, Industrial	250	302	289	16	-	612	737	805
Industrial and Commercial Generation Subtotal	280	330	310	40	22	633	757	833
Total Net Generation	32,564	32,807	35,854	36,608	38,024	38,212	38,165	41,263
Total International Imports	-	-	-	9	6	15	42	15
Total Supply	32,564	32,807	35,854	36,617	38,029	38,227	38,207	41,279
Disposition								
Retail Sales								
Full Service Providers	15,402	18,460	23,217	23,267	23,860	24,512	25,000	26,366
Total Electric Industry Retail Sales	15,402	18,460	23,217	23,267	23,860	24,512	25,000	26,366
Direct Use	252	382	348	356	360	361	742	967
Total International Exports	-	-	-	-	-	-	1	1
Estimated Losses	1,155	1,401	1,671	1,892	1,524	1,860	2,134	2,323
Total Disposition	16,809	20,243	25,236	25,515	25,744	26,732	27,877	29,656
Net Interstate Trade	15,755	12,564	10,618	11,102	12,285	11,494	10,330	11,622
Net Trade Index (ratio)	1.94	1.62	1.42	1.44	1.48	1.43	1.37	1.39

R = Revised.

NA = Not applicable; NM = Not meaningful.

W = Withheld to avoid disclosure of individual company data.

- = Data not available.

* = 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 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.

General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable 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.