

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Idaho		
NERC Region(s).....		WECC
Primary Energy Source.....		Hydroelectric
Net Summer Capacity (megawatts)	3,210	45
Electric Utilities.....	2,558	37
Independent Power Producers & Combined Heat and Power.....	652	44
Net Generation (megawatthours).....	13,386,085	44
Electric Utilities.....	10,495,090	36
Independent Power Producers & Combined Heat and Power.....	2,890,995	41
Emissions (thousand metric tons)		
Sulfur Dioxide	5	47
Nitrogen Oxide.....	2	49
Carbon Dioxide.....	875	49
Sulfur Dioxide (lbs/MWh)	0.7	44
Nitrogen Oxide (lbs/MWh)	0.3	50
Carbon Dioxide (lbs/MWh).....	144	50
Total Retail Sales (megawatthours).....	22,761,749	38
Full Service Provider Sales (megawatthours)	22,761,749	38
Direct Use (megawatthours)	604,855	33
Average Retail Price (cents/kWh).....	4.92	51

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)
Idaho			
1. Brownlee.....	Hydroelectric	Idaho Power Co	562
2. Dworshak.....	Hydroelectric	USCE-North Pacific Division	400
3. Cabinet Gorge.....	Hydroelectric	Avista Corp	276
4. Rathdrum Power LLC	Gas	Rathdrum Operating Services Co., Inc.	248
5. Palisades	Hydroelectric	U S Bureau of Reclamation	176
6. Bennett Mountain	Gas	Idaho Power Co	164
7. Rathdrum	Gas	Avista Corp	136
8. C J Strike	Hydroelectric	Idaho Power Co	89
9. Lucky Peak Power Plant Project	Hydroelectric	Boise-Kuna Irrigation District	83
10. Bliss	Hydroelectric	Idaho Power Co	80

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
Idaho						
1. Idaho Power Co	Investor-Owned	13,235,964	4,868,384	3,612,436	4,755,144	-
2. Avista Corp.....	Investor-Owned	3,375,278	1,145,935	985,356	1,243,987	-
3. PacifiCorp.....	Investor-Owned	3,331,578	677,539	403,024	2,251,015	-
4. Idaho Falls City of.....	Public	681,069	282,822	304,733	93,514	-
5. Kootenai Electric Coop Inc	Cooperative	389,236	263,823	101,954	23,459	-
Total Sales, Top Five Providers		21,013,125	7,238,503	5,407,503	8,367,119	-
Percent of Total State Sales		92	90	93	94	-

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
Idaho										
Electric Utilities.....	2,282	2,559	2,659	2,690	2,439	2,394	2,558	2,558	87.9	79.7
Petroleum.....	56	6	5	5	5	5	5	5	2.1	0.2
Natural Gas	-	136	212	212	212	212	376	376	-	11.7
Hydroelectric	2,227	2,418	2,441	2,472	2,221	2,176	2,176	2,176	85.8	67.8
Independent Power Producers and Combined Heat and Power	314	415	577	574	563	592	602	652	12.1	20.3
Coal.....	12	18	15	16	17	17	17	17	0.5	0.5
Natural Gas	-	-	269	269	269	269	269	269	-	8.4
Hydroelectric	218	251	197	193	193	214	214	201	8.4	6.3
Other Renewables.....	69	130	81	81	70	77	88	150	2.7	4.7
Other	15	15	15	15	15	15	15	15	0.6	0.5
Total Electric Industry.....	2,596	2,974	3,236	3,264	3,002	2,986	3,160	3,210	100.0	100.0
Coal.....	12	18	15	16	17	17	17	17	0.5	0.5
Petroleum.....	56	6	5	5	5	5	5	5	2.1	0.2
Natural Gas	-	136	481	481	481	481	645	645	-	20.1
Hydroelectric	2,444	2,669	2,638	2,665	2,414	2,391	2,390	2,378	94.1	74.1
Other Renewables.....	69	130	81	81	70	77	88	150	2.7	4.7
Other	15	15	15	15	15	15	15	15	0.6	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
Idaho										
Electric Utilities.....	8,617,977	10,062,854	6,666,589	8,164,140	7,732,812	7,765,655	8,032,438	10,495,090	88.9	78.4
Petroleum.....	615	311	3,723	65	116	136	5	144	*	*
Natural Gas.....	-	-	-	76,168	61,229	27,775	73,353	94,504	-	0.7
Hydroelectric.....	8,617,362	10,062,543	6,662,866	8,087,907	7,671,467	7,737,744	7,959,080	10,400,442	88.9	77.7
Independent Power Producers and Combined Heat and Power.....	1,073,498	1,781,751	2,680,352	1,622,793	2,690,124	3,097,384	2,792,546	2,890,995	11.1	21.6
Coal.....	44,371	47,527	72,284	90,673	90,290	100,100	95,181	82,302	0.5	0.6
Petroleum.....	379	253	-	-	-	-	-	-	*	-
Natural Gas.....	55,714	167,292	1,405,286	252,820	1,313,591	1,682,517	1,476,814	1,194,584	0.6	8.9
Hydroelectric.....	497,628	926,791	560,260	681,414	682,567	723,911	583,041	841,930	5.1	6.3
Other Renewables.....	410,203	549,608	533,335	508,303	540,953	573,736	577,040	699,215	4.2	5.2
Other.....	65,203	90,280	109,187	89,583	62,722	17,119	60,469	72,964	0.7	0.5
Total Electric Industry.....	9,691,475	11,844,605	9,346,941	9,786,933	10,422,936	10,863,039	10,824,984	13,386,085	100.0	100.0
Coal.....	44,371	47,527	72,284	90,673	90,290	100,100	95,181	82,302	0.5	0.6
Petroleum.....	994	564	3,723	65	116	136	5	144	*	*
Natural Gas.....	55,714	167,292	1,405,286	328,988	1,374,820	1,710,292	1,550,167	1,289,088	0.6	9.6
Hydroelectric.....	9,114,990	10,989,334	7,223,126	8,769,321	8,354,034	8,461,655	8,542,121	11,242,372	94.1	84.0
Other Renewables.....	410,203	549,608	533,335	508,303	540,953	573,736	577,040	699,215	4.2	5.2
Other.....	65,203	90,280	109,187	89,583	62,722	17,119	60,469	72,964	0.7	0.5

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
Idaho								
Natural Gas (cents per million Btu)	-	-	-	W	W	W	W	W
Average heat value (Btu per cubic foot)	-	-	-	1,020	1,018	1,024	1,015	1,021

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
Idaho								
Sulfur Dioxide								
Coal.....	6	5	1	3	3	4	2	2
Petroleum.....	*	-	*	*	-	-	-	-
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	3	3	3	3	3	3	3	3
Total.....	9	8	4	6	6	7	5	5
Nitrogen Oxide								
Coal.....	2	1	*	2	2	2	1	1
Petroleum.....	*	*	*	*	*	*	*	*
Natural Gas.....	*	1	1	1	1	1	1	*
Other.....	1	1	1	1	1	1	1	1
Total.....	3	3	2	3	3	4	2	2
Carbon Dioxide								
Coal.....	312	321	266	460	498	484	493	277
Petroleum.....	2	1	3	*	*	*	*	*
Natural Gas.....	170	377	825	307	606	812	841	598
Other Renewables.....	-	42	-	-	-	-	-	-
Total.....	485	741	1,094	767	1,104	1,296	1,334	875

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
Idaho										
Retail Sales (thousand megawatthours)										
Residential.....	5,626	6,193	6,906	7,056	7,090	7,314	7,601	8,057	31.3	35.4
Commercial.....	4,894	5,291	6,543	6,963	5,466	5,484	5,615	5,813	27.2	25.5
Industrial.....	7,165	7,843	7,305	6,352	8,663	9,011	8,636	8,891	39.8	39.1
Other.....	318	293	342	329	NA	NA	NA	NA	1.8	NA
All Sectors.....	18,003	19,620	21,096	20,700	21,219	21,809	21,853	22,762	100.0	100.0
Retail Revenue (million dollars).....										
Residential.....	274	330	415	465	443	446	478	500	40.0	44.6
Commercial.....	208	237	336	398	304	294	304	300	30.4	26.7
Industrial.....	188	220	271	276	360	344	337	321	27.4	28.6
Other.....	15	15	16	17	NA	NA	NA	NA	2.2	NA
All Sectors.....	685	802	1,037	1,156	1,107	1,085	1,120	1,121	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	4.87	5.33	6.01	6.59	6.24	6.10	6.29	6.21	NA	NA
Commercial.....	4.25	4.48	5.13	5.71	5.56	5.37	5.42	5.16	NA	NA
Industrial.....	2.62	2.81	3.71	4.34	4.16	3.82	3.91	3.61	NA	NA
Other.....	4.65	5.13	4.66	5.18	NA	NA	NA	NA	NA	NA
All Sectors.....	3.80	4.09	4.92	5.58	5.22	4.97	5.12	4.92	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	3	11	NA	16	NA	NA	NA	30
Number of Retail Customers	629,250	40,747	NA	76,464	NA	NA	NA	746,461
Retail Sales (thousand megawatthours)	19,943	1,074	NA	1,745	NA	NA	NA	22,762
Percentage of Retail Sales	87.62	4.72	NA	7.67	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	941	67	NA	112	NA	NA	NA	1,121
Percentage of Revenue	84.02	6.02	NA	9.96	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	4.72	6.28	NA	6.39	NA	NA	NA	4.92

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
Idaho								
Supply								
Generation								
Electric Utilities	8,618	10,063	6,667	8,164	7,733	7,766	8,032	10,495
Independent Power Producers	498	927	1,696	681	1,788	2,175	1,895	2,042
Combined Heat and Power, Electric	81	79	201	245	245	248	240	214
Electric Power Sector Generation Subtotal	9,197	11,069	8,564	9,090	9,765	10,188	10,167	12,751
Combined Heat and Power, Industrial	495	776	783	697	658	675	658	635
Industrial and Commercial Generation Subtotal	495	776	783	697	658	675	658	635
Total Net Generation	9,691	11,845	9,347	9,787	10,423	10,863	10,825	13,386
Total International Imports	106	3	5	1	2	33	89	40
Total Supply	9,798	11,847	9,352	9,788	10,425	10,896	10,914	13,426
Disposition								
Retail Sales								
Full Service Providers	18,003	19,620	21,096	20,700	21,214	21,767	21,853	22,762
Energy-Only Providers	-	-	-	-	-	41	-	-
Facility Direct Retail Sales	-	-	-	-	5	-	-	-
Total Electric Industry Retail Sales	18,003	19,620	21,096	20,700	21,219	21,809	21,853	22,762
Direct Use	431	717	687	702	710	711	550	605
Total International Exports	-	-	4	1	-	-	-	-
Estimated Losses	1,350	1,489	1,520	1,780	1,825	1,968	1,917	2,073
Total Disposition	19,785	21,827	23,307	23,181	23,754	24,488	24,320	25,440
Net Interstate Trade	-9,987	-9,979	-13,956	-13,394	-13,329	-13,592	-13,406	-12,014
Net Trade Index (ratio)	0.50	0.54	0.40	0.42	0.44	0.44	0.45	0.53

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.