Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Washington		
NERC Region(s)		**WECC**
Primary Energy Source		**Hydroelectric**
Net Summer Capacity (megawatts)	**28,224**	**11**
Electric Utilities	24,303	6
Independent Power Producers & Combined Heat and Power	3,920	23
Net Generation (megawatthours)	**108,203,155**	**13**
Electric Utilities	94,067,080	11
Independent Power Producers & Combined Heat and Power	14,136,075	21
Emissions (thousand metric tons)		
Sulfur Dioxide	11	43
Nitrogen Oxide	20	40
Carbon Dioxide	10,360	40
Sulfur Dioxide (lbs/MWh)	0.2	50
Nitrogen Oxide (lbs/MWh)	0.4	49
Carbon Dioxide (lbs/MWh)	211	49
Total Retail Sales (megawatthours)	**85,033,335**	**16**
Full Service Provider Sales (megawatthours)	82,941,354	16
Deregulated Sales (megawatthours)	2,091,981	14
Direct Use (megawatthours)	**759,485**	**32**
Average Retail Price (cents/kWh)	**6.14**	**45**

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)
Washington			
1. Grand Coulee	Hydroelectric	U S Bureau of Reclamation	7,079
2. Chief Joseph	Hydroelectric	USCE-North Pacific Division	2,456
3. Transalta Centralia Generation	Coal	TransAlta Centralia Gen LLC	1,661
4. Rocky Reach	Hydroelectric	PUD No 1 of Chelan County	1,279
5. Columbia Generating Station	Nuclear	Energy Northwest	1,131
6. Boundary	Hydroelectric	Seattle City of	1,070
7. Wanapum	Hydroelectric	PUD No 2 of Grant County	999
8. Priest Rapids	Hydroelectric	PUD No 2 of Grant County	932
9. Wells	Hydroelectric	PUD No 1 of Douglas County	840
10. Lower Granite	Hydroelectric	USCE-North Pacific Division	810
10. Little Goose	Hydroelectric	USCE-North Pacific Division	810
10. Lower Monumental	Hydroelectric	USCE-North Pacific Division	810

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
Washington						
1. Puget Sound Energy Inc	Investor-Owned	21,091,533	10,654,059	9,060,957	1,376,517	-
2. Seattle City of	Public	9,454,505	3,060,651	5,052,063	1,341,505	286
3. Snohomish County PUD No 1	Public	6,483,487	3,309,591	2,308,328	865,568	-
4. Avista Corp	Investor-Owned	5,411,417	2,431,601	2,161,915	817,901	-
5. Tacoma City of	Public	4,731,907	1,822,438	323,917	2,584,708	844
Total Sales, Top Five Providers		47,172,849	21,278,340	18,907,180	6,986,199	1,130
Percent of Total State Sales		55	62	66	32	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
Washington										
Electric Utilities	**24,173**	**24,277**	**24,055**	**24,141**	**24,216**	**23,878**	**24,065[R]**	**24,303**	**98.5**	**86.1**
Coal	1,310	1,340	-	-	-	-	-	-	5.3	-
Petroleum	173	88	133	40	39	39	39	39	0.7	0.1
Natural Gas	590	590	987	1,146	1,153	1,184	1,141	1,138	2.4	4.0
Nuclear	1,100	1,107	1,108	1,108	1,108	1,122	1,131	1,131	4.5	4.0
Hydroelectric	20,640	20,795	21,367	21,392	21,408	21,010	21,081[R]	21,094	84.1	74.7
Other Renewables	46	97	147	142	194	210	360	588	0.2	2.1
Pumped Storage	314	261	314	314	314	314	314	314	1.3	1.1
Independent Power Producers and Combined Heat and Power	**372**	**977**	**2,590**	**2,971**	**3,473**	**3,695**	**3,726[R]**	**3,920**	**1.5**	**13.9**
Coal	16	2	1,407	1,407	1,407	1,407	1,405	1,405	0.1	5.0
Petroleum	22	-	168	176	176	-	2	2	0.1	*
Natural Gas	113	736	559	938	1,433	1,829	1,853	1,853	0.5	6.6
Hydroelectric	89	97	86	72	48	60	65[R]	62	0.4	0.2
Other Renewables	132	142	370	378	408	399	401	598	0.5	2.1
Total Electric Industry	**24,545**	**25,254**	**26,645**	**27,112**	**27,689**	**27,573**	**27,791**	**28,224**	**100.0**	**100.0**
Coal	1,326	1,342	1,407	1,407	1,407	1,407	1,405	1,405	5.4	5.0
Petroleum	196	88	301	216	215	39	40	40	0.8	0.1
Natural Gas	703	1,326	1,546	2,085	2,586	3,013	2,994	2,991	2.9	10.6
Nuclear	1,100	1,107	1,108	1,108	1,108	1,122	1,131	1,131	4.5	4.0
Hydroelectric	20,729	20,892	21,453	21,464	21,457	21,070	21,146	21,156	84.5	75.0
Other Renewables	178	239	517	519	602	609	761	1,186	0.7	4.2
Pumped Storage	314	261	314	314	314	314	314	314	1.3	1.1

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
Washington										
Electric Utilities	**100,478,861**	**95,671,478**	**67,683,216**	**88,568,483**	**82,205,391**	**83,500,909**	**83,152,928**	**94,067,080**	**98.4**	**86.9**
Coal	7,351,520	5,877,093	-	-	-	-	-	-	7.2	-
Petroleum	14,290	8,711	179,120	6,172	7,851	13,112	2,416	8,517	*	*
Natural Gas	15,501	554,405	4,378,072	1,084,370	2,256,386	2,286,578	2,155,528	1,672,572	*	1.5
Nuclear	5,742,027	6,941,878	8,250,429	9,048,475	7,614,708	8,981,583	8,242,273	9,328,277	5.6	8.6
Hydroelectric	87,022,217	82,028,297	54,517,234	77,833,286	71,540,502	71,393,131	71,894,440	81,791,115	85.3	75.6
Other Renewables	333,306	261,094	358,361	600,712	789,237	836,323	849,798	1,219,500	0.3	1.1
Pumped Storage	-	-	-	-4,532	-3,293	-9,818	8,473	47,099	-	*
Independent Power Producers and Combined Heat and Power	**1,592,672**	**6,526,108**	**15,365,453**	**14,196,564**	**17,889,300**	**18,664,143**	**18,812,922**	**14,136,075**	**1.6**	**13.1**
Coal	38,759	25,852	9,082,358	8,660,804	11,089,796	10,413,457	10,506,174	6,384,724	*	5.9
Petroleum	28,691	170,204	141,239	67,130	58,741	68,241	61,765	28,162	*	*
Natural Gas	272,557	4,335,199	4,996,173	3,634,941	4,826,219	6,193,097	6,425,768[R]	5,826,746	0.3	5.4
Other Gases	8,460	550,836	-	312,638	303,188	256,823	308,082	334,734	*	0.3
Hydroelectric	444,491	471,856	216,661	333,378	216,281	182,569	180,209	216,514	0.4	0.2
Other Renewables	795,964	971,982	862,970	1,123,454	1,339,068	1,483,092	1,266,102[R]	1,283,010	0.8	1.2
Other	3,750	179	66,052	64,219	56,007	66,864	64,822	62,185	*	0.1
Total Electric Industry	**102,071,533**	**102,197,586**	**83,048,669**	**102,765,047**	**100,094,691**	**102,165,052**	**101,965,850**	**108,203,155**	**100.0**	**100.0**
Coal	7,390,279	5,902,945	9,082,358	8,660,804	11,089,796	10,413,457	10,506,174	6,384,724	7.2	5.9
Petroleum	42,981	178,915	320,359	73,302	66,592	81,353	64,181	36,679	*	*
Natural Gas	288,058	4,889,604	9,374,245	4,719,311	7,082,605	8,479,675	8,581,296[R]	7,499,318	0.3	6.9
Other Gases	8,460	550,836	-	312,638	303,188	256,823	308,082	334,734	*	0.3
Nuclear	5,742,027	6,941,878	8,250,429	9,048,475	7,614,708	8,981,583	8,242,273	9,328,277	5.6	8.6
Hydroelectric	87,466,708	82,500,153	54,733,895	78,166,664	71,756,783	71,575,700	72,074,649	82,007,629	85.7	75.8
Other Renewables	1,129,270	1,233,076	1,221,331	1,724,166	2,128,305	2,319,415	2,115,900[R]	2,502,510	1.1	2.3
Pumped Storage	-	-	-	-4,532	-3,293	-9,818	8,473	47,099	-	*
Other	3,750	179	66,052	64,219	56,007	66,864	64,822	62,185	*	0.1

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
Washington								
Coal (cents per million Btu)	158	144	-	W	W	W	W	W
Average heat value (Btu per pound)	8,135	8,267	-	8,014	8,052	8,151	8,131	8,532
Average sulfur Content (percent)	0.70	0.69	-	1.01	1.00	0.93	0.75	0.69
Petroleum (cents per million Btu)	511	485	-	W	W	W	W	W
Average heat value (Btu per gallon)	140,948	139,952	-	137,098	145,438	139,331	137,340	142,807
Average sulfur Content (percent)	0.33	0.30	-	0.31	0.27	0.90	0.58	0.41
Natural Gas (cents per million Btu)	-	438	-	354	415	457	649	565
Average heat value (Btu per cubic foot)	-	1,050	-	1,034	1,029	1,029	1,027	1,028

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
Washington								
Sulfur Dioxide								
Coal	57	45	63	18	8	7	4	2
Petroleum	2	1	1	2	1	1	1	2
Natural Gas	*	*	*	*	*	*	*	*
Other	9	8	7	6	7	7	7	7
Total	68	54	71	25	16	15	11	11
Nitrogen Oxide								
Coal	50	40	18	14	18	14	15	8
Petroleum	*	*	1	*	*	*	*	1
Natural Gas	1	6	12	5	7	5	5	5
Other	3	3	5	5	5	5	5	6
Total	55	49	36	24	31	24	26	20
Carbon Dioxide								
Coal	7,788	6,275	9,413	9,538	11,215	10,653	10,690	6,532
Petroleum	159	237	478	277	304	351	316	262
Natural Gas	459	2,884	5,474	2,598	3,429	3,853	3,783	3,448
Other Renewables	-	121	123	110	96	119	119	118
Total	8,407	9,516	15,488	12,523	15,043	14,976	14,907	10,360

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
Washington										
Retail Sales (thousand megawatthours)										
Residential	28,809	30,147	31,608	32,066	31,872	32,455	33,212	34,439	31.6	40.5
Commercial	17,683	20,401	23,841	24,310	28,039	28,226	28,100	28,580	19.4	33.6
Industrial	40,712	34,276	19,339	15,792	18,180	19,259	22,112	22,013	44.7	25.9
Other	3,842	3,528	3,707	3,237	NA	NA	NA	NA	4.2	NA
Transportation	NA	NA	NA	NA	42	42	2	1	NA	*
All Sectors	91,046	88,353	78,495	75,404	78,134	79,982	83,425	85,033	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,266	1,497	1,802	2,018	2,010	2,069	2,173	2,350	40.9	45.0
Commercial	734	982	1,298	1,485	1,701	1,742	1,778	1,896	23.7	36.3
Industrial	972	1,014	919	770	866	825	943	976	31.4	18.7
Other	120	132	174	160	NA	NA	NA	NA	3.9	NA
Transportation	NA	NA	NA	NA	3	3	*	*	NA	*
All Sectors	3,092	3,626	4,193	4,433	4,580	4,638	4,894	5,222	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	4.39	4.97	5.70	6.29	6.31	6.37	6.54	6.82	NA	NA
Commercial	4.15	4.82	5.45	6.11	6.07	6.17	6.33	6.63	NA	NA
Industrial	2.39	2.96	4.75	4.88	4.76	4.28	4.27	4.44	NA	NA
Other	3.13	3.75	4.69	4.94	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	6.45	6.44	6.44	5.93	NA	NA
All Sectors	3.40	4.10	5.34	5.88	5.86	5.80	5.87	6.14	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	
Washington								
Number of Entities	3	40	1	18	NA	3	1	66
Number of Retail Customers	1,375,761	1,534,880	11	157,263	NA	18	NA	3,067,933
Retail Sales (thousand megawatthours)	30,669	45,757	2,709	3,807	NA	2,092	NA	85,033
Percentage of Retail Sales	36.07	53.81	3.19	4.48	NA	2.46	NA	100.00
Revenue from Retail Sales (million dollars)	2,207	2,585	76	226	NA	117	11	5,222
Percentage of Revenue	42.26	49.49	1.46	4.32	NA	2.25	0.22	100.00
Average Retail Price (cents/kWh)	7.20	5.65	2.81	5.93	NA	5.62	0.55	6.14

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
Washington								
Supply								
Generation								
Electric Utilities	100,479	95,671	67,683	88,568	82,205	83,501	83,153	94,067
Independent Power Producers	177	365	9,454	9,817	13,541	15,054	15,287	10,887
Combined Heat and Power, Electric	8	4,693	4,427	3,268	3,350	2,583	2,517	2,385
Electric Power Sector Generation Subtotal	**100,664**	**100,729**	**81,564**	**101,654**	**99,097**	**101,138**	**100,956**	**107,339**
Combined Heat and Power, Commercial	101	110	138	33	77	95	73	78
Combined Heat and Power, Industrial	1,307	1,358	1,347	1,078	920	932	937	786
Industrial and Commercial Generation Subtotal	**1,407**	**1,468**	**1,485**	**1,111**	**998**	**1,027**	**1,010**	**864**
Total Net Generation	**102,072**	**102,198**	**83,049**	**102,765**	**100,095**	**102,165**	**101,966**	**108,203**
Total International Imports	**280**	**883**	**3,152**	**4,362**	**3,445**	**2,229**	**2,533**	**2,430**
Total Supply	**102,352**	**103,081**	**86,201**	**107,127**	**103,540**	**104,394**	**104,498**	**110,633**
Disposition								
Retail Sales								
Full Service Providers	91,046	88,353	77,324	74,316	76,104	79,606	81,395	82,941
Energy-Only Providers	-	-	1,171	1,088	2,021	376	2,030	2,092
Facility Direct Retail Sales	-	-	-	-	9	-	-	-
Total Electric Industry Retail Sales	**91,046**	**88,353**	**78,495**	**75,404**	**78,134**	**79,982**	**83,425**	**85,033**
Direct Use	**1,218**	**1,418**	**1,346**	**1,375**	**1,393**	**1,394**	**522**	**759**
Total International Exports	**37**	**26**	**8,210**	**5,549**	**5,402**	**7,077**	**5,537**	**11,086**
Estimated Losses	**6,826**	**6,707**	**6,777**	**7,338**	**5,826**	**4,511**	**6,017**	**5,288**
Total Disposition	**99,128**	**96,504**	**94,828**	**89,666**	**90,754**	**92,964**	**95,502**	**102,167**
Net Interstate Trade	**3,224**	**6,577**	**-8,627**	**17,460**	**12,786**	**11,430**	**8,996**	**8,465**
Net Trade Index (ratio)	**1.03**	**1.07**	**0.91**	**1.19**	**1.14**	**1.12**	**1.09**	**1.08**

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.