

**Table 1. 2004 Summary Statistics**

Item	Value	U.S. Rank
<b>Oregon</b>		
NERC Region(s).....		WECC
Primary Energy Source .....		Hydro
Net Summer Capability (megawatts).....	12,093	29
Electric Utilities .....	9,555	26
Independent Power Producers & Combined Heat and Power .....	2,538	32
Net Generation (megawatthours).....	51,381,278	28
Electric Utilities .....	39,092,958	28
Independent Power Producers & Combined Heat and Power .....	12,288,320	24
Emissions (thousand metric tons)		
Sulfur Dioxide .....	14	44
Nitrogen Oxide.....	11	43
Carbon Dioxide.....	9,117	41
Sulfur Dioxide (lbs/MWh).....	.6	46
Nitrogen Oxide (lbs/MWh).....	.5	48
Carbon Dioxide (lbs/MWh).....	391	48
Total Retail Sales (megawatthours).....	45,636,448	29
Full Service Provider Sales (megawatthours).....	44,791,028	28
Deregulated Sales (megawatthours).....	845,420	14
Direct Use (megawatthours).....	691,393	32
Average Retail Price (cents/kWh).....	6.21	38

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2004**

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
<b>Oregon</b>			
1. John Day.....	Hydroelectric	USCE-North Pacific Division	2,160
2. The Dalles .....	Hydroelectric	USCE-North Pacific Division	1,823
3. Bonneville.....	Hydroelectric	USCE-North Pacific Division	1,093
4. McNary.....	Hydroelectric	USCE-North Pacific Division	991
5. Hermiston Power Partnership.....	Gas	Hermiston Power Partnership	615
6. Boardman.....	Petroleum,Coal	Portland General Electric Co	556
7. Beaver.....	Petroleum,Gas	Portland General Electric Co	495
8. Klamath Cogeneration Plant.....	Gas	Pacific Klamath Energy Inc	470
9. Hermiston Generating Plant.....	Gas	Hermiston Generating Co LP	464
10. Hells Canyon .....	Hydroelectric	Idaho Power Co	381

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2004**  
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Oregon</b>						
1. Portland General Electric Co .....	Investor-Owned	17,764,138	7,270,118	7,165,810	3,322,500	5,710
2. PacifiCorp .....	Investor-Owned	13,133,938	5,218,863	4,739,603	3,165,632	9,840
3. Eugene City of.....	Public	2,634,133	945,782	930,374	757,977	0
4. Central Lincoln People 's Ut Dt.....	Public	1,273,662	400,578	199,586	673,498	0
5. Clatskanie Peoples Util Dist .....	Public	1,000,571	63,961	26,226	910,384	0
Total Sales, Top Five Providers.....		35,806,442	13,899,302	13,061,599	8,829,991	15,550
Percent of Total State Sales .....		78	77	83	74	100

See footnotes at end of tables.

**Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1990, 1995, and 2000 Through 2004**  
(Megawatts)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>Oregon</b>									
<b>Electric Utilities .....</b>	<b>11,236</b>	<b>10,446</b>	<b>10,337</b>	<b>10,354</b>	<b>10,348</b>	<b>10,338</b>	<b>9,555</b>	<b>97.4</b>	<b>79.0</b>
Coal.....	530	508	557	557	557	556	556	4.6	4.6
Petroleum.....	6	0	0	0	0	0	0	.1	.0
Natural Gas.....	148	286	211	211	24	34	34	1.3	.3
Dual Fired.....	448	583	495	518	729	691	691	3.9	5.7
Nuclear.....	1,104	0	0	0	0	0	0	9.6	.0
Hydroelectric .....	8,988	9,031	9,045	9,063	9,033	9,020	8,239	77.9	68.1
Other Renewables.....	11	38	28	6	6	37	35	.1	.3
<b>Independent Power Producers and Combined</b>									
<b>Heat and Power.....</b>	<b>304</b>	<b>352</b>	<b>937</b>	<b>1,415</b>	<b>2,136</b>	<b>2,545</b>	<b>2,538</b>	<b>2.6</b>	<b>21.0</b>
Coal.....	13	13	13	10	10	10	10	.1	.1
Petroleum.....	7	0	0	0	0	0	0	.1	.0
Natural Gas.....	1	23	618	1,018	1,245	2,049	1,997	*	16.5
Dual Fired.....	0	48	5	3	4	4	50	.0	.4
Hydroelectric .....	93	109	96	55	55	92	91	.8	.8
Other Renewables.....	189	158	205	329	352	390	390	1.6	3.2
<b>Total Electric Industry .....</b>	<b>11,540</b>	<b>10,798</b>	<b>11,275</b>	<b>11,769</b>	<b>12,485</b>	<b>12,883</b>	<b>12,093</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	543	521	570	567	567	566	566	4.7	4.7
Petroleum.....	13	0	0	0	0	0	0	.1	.0
Natural Gas.....	150	310	829	1,229	1,739	2,082	2,030	1.3	16.8
Dual Fired.....	448	632	500	521	733	695	741	3.9	6.1
Nuclear.....	1,104	0	0	0	0	0	0	9.6	.0
Hydroelectric .....	9,082	9,140	9,142	9,118	9,089	9,112	8,330	78.7	68.9
Other Renewables.....	201	196	234	335	357	427	426	1.7	3.5

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation by Primary Energy Source, 1990, 1995, and 2000 Through 2004**  
(Megawatthours)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>Oregon</b>									
<b>Electric Utilities</b> .....	<b>49,171,999</b>	<b>44,031,261</b>	<b>46,059,938</b>	<b>38,059,649</b>	<b>39,731,986</b>	<b>38,577,937</b>	<b>39,092,958</b>	<b>97.6</b>	<b>76.1</b>
Coal.....	1,297,978	1,527,874	3,785,462	4,423,843	3,768,531	4,285,697	3,535,764	2.6	6.9
Petroleum.....	26,809	4,346	52,038	92,767	5,893	44,035	20,305	.1	*
Natural Gas.....	811,262	2,084,035	4,440,363	5,183,521	1,799,217	1,232,518	2,605,531	1.6	5.1
Nuclear.....	6,073,796	0	0	0	0	0	0	12.1	.0
Hydroelectric.....	40,961,577	40,415,006	37,782,075	28,359,518	34,158,327	32,980,206	32,896,035	81.3	64.0
Other Renewables.....	577	0	0	0	18	35,481	35,323	*	.1
<b>Independent Power Producers and Combined</b>									
<b>Heat and Power</b> .....	<b>1,200,237</b>	<b>1,234,292</b>	<b>5,730,037</b>	<b>6,992,257</b>	<b>7,367,382</b>	<b>10,388,202</b>	<b>12,288,320</b>	<b>2.4</b>	<b>23.9</b>
Coal.....	19,366	24,617	17,298	21,210	11,153	19,151	19,897	*	*
Petroleum.....	968	681	16,174	9,456	811	61	42,633	*	.1
Natural Gas.....	8,066	269,440	4,659,654	5,799,444	6,013,676	9,011,178	10,875,015	*	21.2
Hydroelectric.....	278,790	349,459	333,555	285,034	254,840	270,126	184,784	.6	.4
Other Renewables.....	893,047	590,095	703,356	877,113	1,086,902	1,087,685	1,165,990	1.8	2.3
<b>Total Electric Industry</b> .....	<b>50,372,236</b>	<b>45,265,553</b>	<b>51,789,975</b>	<b>45,051,906</b>	<b>47,099,369</b>	<b>48,966,139</b>	<b>51,381,278</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	1,317,344	1,552,491	3,802,760	4,445,053	3,779,684	4,304,848	3,555,661	2.6	6.9
Petroleum.....	27,777	5,027	68,212	102,223	6,704	44,096	62,938	.1	.1
Natural Gas.....	819,328	2,353,475	9,100,017	10,982,965	7,812,893	10,243,696	13,480,546	1.6	26.2
Nuclear.....	6,073,796	0	0	0	0	0	0	12.1	.0
Hydroelectric.....	41,240,367	40,764,465	38,115,630	28,644,552	34,413,167	33,250,332	33,080,819	81.9	64.4
Other Renewables.....	893,624	590,095	703,356	877,113	1,086,920	1,123,166	1,201,313	1.8	2.3

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2000 Through 2004**

Fuel, Quality	1990	1995	2000	2001	2002	2003	2004
<b>Oregon</b>							
Coal (cents per million Btu).....	107.9	105.8	106.8	111.0	132.9	125.2	118.5
Average heat value (Btu per pound).....	8,348	8,882	8,636	8,711	8,563	8,516	8,402
Average sulfur Content (percent).....	.3	.3	.4	.4	.3	.3	.3
Petroleum (cents per million Btu).....	347.3	426.7	858.6	636.2	572.3	787.5	869.8
Average heat value (Btu per gallon).....	139,000	140,166	140,000	143,286	141,631	138,490	141,074
Average sulfur Content (percent).....	.5	.3	.1	.1	*	.2	.1
Natural Gas (cents per million Btu).....	0	129.8	289.6	374.9	328.4	437.0	499.8
Average heat value (Btu per cubic foot).....	0	1,012	1,016	1,022	1,019	1,022	1,021

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2000 Through 2004**  
(Thousand Metric Tons)

Emission Type	1990	1995	2000	2001	2002	2003	2004
<b>Oregon</b>							
Sulfur Dioxide							
Coal .....	7	7	15	18	12	12	12
Petroleum.....	*	*	*	*	*	*	*
Natural Gas .....	0	*	*	*	*	*	*
Other.....	2	2	2	3	3	1	2
Total.....	9	9	17	21	15	13	14
Nitrogen Oxide							
Coal .....	6	7	8	10	8	9	7
Petroleum.....	*	*	*	*	0	*	*
Gas.....	1	3	5	5	2	2	2
Other.....	2	1	1	1	1	1	1
Total.....	9	11	13	16	11	12	11
Carbon Dioxide							
Coal .....	1,456	1,824	3,835	4,260	3,579	4,244	3,417
Petroleum.....	55	8	76	115	9	42	71
Gas.....	453	1,380	4,226	4,862	3,472	4,409	5,562
Geothermal.....	0	0	0	0	0	0	0
Other.....	21	19	19	19	67	69	67
Total.....	1,984	3,232	8,156	9,257	7,126	8,765	9,117

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1990, 1995, and 2000 Through 2004**

Sector	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>Oregon</b>									
Retail Sales (thousand megawatthours)									
Residential.....	15,380	16,315	18,212	17,503	17,554	17,736	18,001	35.8	39.4
Commercial .....	11,319	12,900	15,289	14,816	14,902	15,483	15,667	26.3	34.3
Industrial.....	15,498	15,839	16,353	13,084	12,296	11,961	11,954	36.1	26.2
Other .....	780	672	476	481	503	NA	NA	1.8	NA
Transportation.....	NA	NA	NA	NA	NA	15	16	NA	.0
Total.....	42,977	45,725	50,330	45,885	45,255	45,195	45,636	100.0	100.0
Retail Revenue (million dollars)									
Residential.....	727	895	1,071	1,100	1,249	1,252	1,293	40.5	45.6
Commercial .....	543	653	774	808	982	988	1,010	30.2	35.7
Industrial.....	490	550	582	551	581	554	529	27.3	18.7
Other .....	37	37	34	35	48	NA	NA	2.1	NA
Transportation.....	NA	NA	NA	NA	NA	1	1	NA	.0
Total.....	1,797	2,135	2,460	2,494	2,859	2,795	2,833	100.0	100.0
Average Retail Price (cents/kWh)									
Residential.....	4.73	5.49	5.88	6.28	7.11	7.06	7.18	NA	NA
Commercial .....	4.79	5.06	5.06	5.45	6.59	6.38	6.45	NA	NA
Industrial.....	3.16	3.47	3.56	4.21	4.72	4.63	4.43	NA	NA
Other .....	4.77	5.49	7.10	7.33	9.44	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	NA	6.67	6.49	NA	NA
Total.....	4.18	4.67	4.89	5.44	6.32	6.18	6.21	NA	NA

See footnotes at end of tables.

**Table 9. Retail Electricity Sales Statistics, 2004**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Oregon</b>								
Number of Entities.....	3	18	1	19	NA	2	2	45
Number of Retail Customers.....	1,304,888	276,579	1	186,601	NA	7	NA	1,768,076
Retail Sales (thousand megawatthours) .....	31,494	8,929	3	4,365	NA	845	NA	45,636
Percentage of Retail Sales .....	69.01	19.57	.01	9.57	NA	1.85	NA	100.00
Revenue from Retail Sales (million dollars) .....	2,006	483	*	297	NA	37	9	2,833
Percentage of Revenue.....	70.83	17.04	*	10.49	NA	1.32	.31	100.00
Average Retail Price (cents/kWh).....	6.37	5.41	3.64	6.81	NA	4.43	1.05	6.21

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.