

Table 1. 2002 Summary Statistics

Item	Value	U.S. Rank
Oregon		
NERC Region(s).....		WSCC
Primary Energy Source		Hydro
Net Summer Capability (megawatts).....	12,485	26
Electric Utilities	10,348	21
Independent Power Producers & Combined Heat and Power	2,137	29
Net Generation (megawatthours).....	47,099,368	29
Electric Utilities	39,731,986	28
Independent Power Producers & Combined Heat and Power	7,367,382	26
Emissions (thousand short tons)		
Sulfur Dioxide	14	44
Nitrogen Oxide	11	44
Carbon Dioxide	7,555	42
Sulfur Dioxide/sq. mile.....	0	48
Nitrogen Oxide/sq. mile.....	0	48
Carbon Dioxide/sq. mile.....	79	47
Utility and ESP Retail Electricity Sales (megawatthours).....	45,255,173	29
Utility Retail Electricity Sales (megawatthours)	45,255,173	28
Direct Use (megawatthours).....	479,926	30
Average Retail Price (cents/kWh).....	6.32	24

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
Oregon			
1. John Day	Hydro	USCE-North Pacific Division	2,484
2. The Dalles	Hydro	USCE-North Pacific Division	1,961
3. Bonneville	Hydro	USCE-North Pacific Division	1,212
4. McNary	Hydro	USCE-North Pacific Division	1,127
5. Hermiston Power Proje	Hydro	Hermiston Power Partnership	615
6. Boardman	Petroleum, Coal	Portland General Electric Co	557
7. Beaver	Petroleum, Gas	Portland General Electric Co	517
8. Klamath Cogeneration	Gas	Pacific Klamath Energy Inc	470
9. Hermiston Generating.....	Gas	Hermiston Generating Co LP	464
10. Hells Canyon.....	Hydro	Idaho Power Co	361

See footnotes at end of tables.

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

Utility	All Sectors	Residential	Commercial	Industrial	Other
Oregon					
A. Portland General Electric Co	18,771,884	7,058,334	7,001,390	4,612,264	99,896
B. PacifiCorp.....	12,981,130	5,013,064	4,497,997	3,419,264	50,805
C. City of Eugene	2,542,729	959,805	892,865	675,935	14,124
D. Central Lincoln People's Ut Dt	1,258,073	406,253	200,614	647,465	3,741
E. Umatilla Electric Coop	808,281	147,849	444,702	215,364	366
Total	36,362,097	13,585,305	13,037,568	9,570,292	168,932
Percentage of Utility Sales.....	80	77	87	78	34

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
Oregon							
Coal	508	508	557	1.0	4.9	4.5	4.5
Petroleum	6	0	0	NM	.1	.0	.0
Natural Gas	148	354	24	-18.3	1.4	3.1	.2
Dual Fired	448	598	729	5.6	4.3	5.2	5.8
Hydroelectric	9,008	9,037	9,033	.0	86.5	79.2	72.4
Other Renewables	14	40	6	-10.0	.1	.3	.0
Total Electric Utilities	10,133	10,537	10,348	.2	97.3	92.4	82.9
Coal	13	13	10	-3.2	.1	.1	.1
Natural Gas	1	536	1,715	120.5	.0	4.7	13.7
Dual Fired	0	49	4	NM	.0	.4	.0
Hydroelectric	109	96	55	-7.3	1.0	.8	.4
Other Renewables	159	179	352	9.2	1.5	1.6	2.8
Total IPP's & Combined Heat and Power	283	872	2,137	25.2	2.7	7.6	17.1
Coal	521	521	567	.9	5.0	4.6	4.5
Petroleum	6	0	0	NM	.1	.0	.0
Natural Gas	150	890	1,739	31.3	1.4	7.8	13.9
Dual Fired	448	647	733	5.6	4.3	5.7	5.9
Hydroelectric	9,117	9,133	9,089	.0	87.5	80.0	72.8
Other Renewables	173	219	357	8.4	1.7	1.9	2.9
Total Electric Industry	10,415	11,409	12,485	2.0	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
Oregon							
Coal	3,502,742	1,500,879	3,768,531	0.8	8.4	2.9	8.0
Petroleum	32,365	10,942	5,893	-17.2	.1	.0	.0
Natural Gas	1,687,456	1,273,183	1,799,217	.7	4.0	2.4	3.8
Nuclear	-21,276	0	0	NM	-1	.0	.0
Hydroelectric	35,531,031	46,283,275	34,158,327	-4	84.8	88.3	72.5
Other Renewables	10,767	0	18	-50.9	.0	.0	.0
Total Electric Utilities	40,743,085	49,068,279	39,731,986	-3	97.2	93.6	84.4
Coal	17,650	18,788	11,153	-5.0	.0	.0	.0
Petroleum	1,303	2,435	811	-5.1	.0	.0	.0
Natural Gas	90,611	2,324,287	6,013,677	59.4	.2	4.4	12.8
Hydroelectric	333,049	420,425	254,840	-2.9	.8	.8	.5
Other Renewables	723,887	578,640	1,086,902	4.6	1.7	1.1	2.3
Total IPP's & Combined Heat and Power	1,166,500	3,344,575	7,367,382	22.7	2.8	6.4	15.6
Coal	3,520,392	1,519,667	3,779,684	.8	8.4	2.9	8.0
Petroleum	33,668	13,377	6,704	-16.4	.1	.0	.0
Natural Gas	1,778,067	3,597,470	7,812,894	17.9	4.2	6.9	16.6
Nuclear	-21,276	0	0	NM	-1	.0	.0
Hydroelectric	35,864,080	46,703,700	34,413,167	-5	85.6	89.1	73.1
Other Renewables	734,654	578,640	1,086,920	4.4	1.8	1.1	2.3
Total Electric Industry	41,909,585	52,412,854	47,099,369	1.3	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)
Oregon				
Coal (2002 cents per million Btu)	125.1	117.1	132.9	0.7
Average heat value (Btu per pound)	8,801	8,757	8,563	-.3
Average sulfur Content(percent)4	.3	.3	-2.2
Petroleum (2002 cents per million Btu)	426.8	503.8	572.3	3.3
Average heat value (Btu per gallon)	140,000	140,000	141,631	.1
Average sulfur Content(percent)0	.0	*	NM
Gas (2002 cents per million Btu)	251.0	151.7	328.4	3.0
Average heat value (Btu per cubic foot)	1,011	1,011	1,019	.1

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)
Oregon				
Sulfur Dioxide				
Coal	13	7	12	-0.7
Petroleum	*	*	*	-9.2
Gas	0	*	*	NM
Other	*	1	1	19.7
Total	14	7	14	.1
Nitrogen Oxide				
Coal	15	3	8	-6.4
Petroleum	*	*	0	NM
Gas	2	1	2	-4.0
Other	1	1	1	.8
Total	18	5	11	-5.7
Carbon Dioxide				
Coal	3,728	1,561	3,998	.8
Petroleum	27	15	7	-13.4
Gas	1,034	1,698	3,530	14.6
Other	22	22	21	-.6
Total	4,811	3,296	7,555	5.1

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
Oregon							
Retail Sales (thousand megawatthours)							
Residential.....	16,696	17,185	17,554	0.6	37.4	36.1	38.8
Commercial.....	12,205	14,047	14,902	2.2	27.4	29.5	32.9
Industrial.....	15,012	15,931	12,296	-2.2	33.7	33.5	27.2
Other.....	664	440	503	-3.0	1.5	.9	1.1
Total.....	44,578	47,603	45,255	.2	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	934	983	1,249	3.3	42.4	43.5	43.7
Commercial.....	670	717	982	4.3	30.5	31.8	34.3
Industrial.....	556	528	581	.5	25.3	23.4	20.3
Other.....	39	29	48	2.1	1.8	1.3	1.7
Total.....	2,199	2,257	2,859	3.0	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	5.59	5.72	7.12	2.7	NA	NA	NA
Commercial.....	5.49	5.11	6.59	2.0	NA	NA	NA
Industrial.....	3.71	3.32	4.72	2.7	NA	NA	NA
Other.....	5.94	6.62	9.44	5.3	NA	NA	NA
Total.....	4.93	4.74	6.32	2.8	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
Oregon						
Number of Entities.....	1	24	0	16	0	41
Number of Retail Customers.....	741,949	795,521	0	177,134	0	1,714,604
Retail Sales (thousand megawatthours).....	18,772	22,237	0	4,247	0	45,255
Percentage of Retail Sales.....	41.48	49.14	.00	9.38	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	1,384	1,194	0	281	0	2,859
Percentage of Revenue.....	48.41	41.76	.00	9.83	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	7.37	5.37	.00	6.62	0	6.32

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 ".5").