

Table 1. 2002 Summary Statistics

Item	Value	U.S. Rank
Alaska		
NERC Region(s).....		--
Primary Energy Source		Gas
Net Summer Capability (megawatts).....	2,006	48
Electric Utilities	1,740	40
Independent Power Producers & Combined Heat and Power	267	45
Net Generation (megawatthours)	6,767,325	48
Electric Utilities	5,471,990	42
Independent Power Producers & Combined Heat and Power	1,295,335	43
Emissions (thousand short tons)		
Sulfur Dioxide	4	48
Nitrogen Oxide.....	11	43
Carbon Dioxide.....	4,205	46
Sulfur Dioxide/sq. mile.....	0	50
Nitrogen Oxide/sq. mile.....	0	51
Carbon Dioxide/sq. mile.....	7	50
Utility and ESP Retail Electricity Sales (megawatthours).....	5,465,489	51
Utility Retail Electricity Sales (megawatthours)	5,465,489	50
Direct Use (megawatthours).....	1,022,952	25
Average Retail Price (cents/kWh).....	10.46	7

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
Alaska			
1. Beluga	Gas	Chugach Electric Assn Inc	338
2. George M Sullivan Gen	Petroleum, Gas	Municipality of Anchorage	220
3. Bradley Lake.....	Hydro	Alaska Electric G & T Coop Inc	126
4. North Pole	Petroleum	Golden Valley Elec Assn Inc	96
5. Anchorage 1	Petroleum, Gas	Municipality of Anchorage	79
6. Snettisham.....	Hydro	Alaska Electric Light&Power Co	78
7. Central Production Fa.....	Gas	Phillips Alaska Inc	64
8. Bernice Lake	Gas	Chugach Electric Assn Inc	62
9. Lemon Creek	Petroleum	Alaska Electric Light&Power Co	58
10. Eklutna Hydro Project	Hydro	Municipality of Anchorage	44

See footnotes at end of tables.

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

Utility	All Sectors	Residential	Commercial	Industrial	Other
Alaska					
A. Chugach Electric Assn, Inc.....	1,141,106	534,869	560,934	40,577	4,726
B. Golden Valley Elec Assn, Inc.....	1,069,320	289,559	128,372	651,389	0
C. Anchorage Mun Light and Power.....	892,174	148,174	726,683	0	17,317
D. Matanuska Electric Assn, Inc.....	546,601	340,664	205,210	0	727
E. Homer Electric Assn, Inc	486,921	156,912	164,344	164,511	1,154
Total	4,136,122	1,470,178	1,785,543	856,477	23,924
Percentage of Utility Sales.....	76	76	80	79	12

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
Alaska							
Coal	54	54	25	-8.1	2.7	2.6	1.2
Petroleum	501	537	522	.5	25.2	26.5	26.0
Natural Gas	497	489	526	.6	25.0	24.1	26.2
Dual Fired	308	308	270	-1.4	15.5	15.2	13.5
Hydroelectric	352	362	396	1.3	17.7	17.9	19.7
Other Renewables	*	*	0	NM	.0	.0	.0
Total Electric Utilities	1,711	1,750	1,740	.2	86.0	86.3	86.7
Coal	57	57	60	.7	2.8	2.8	3.0
Petroleum	63	83	55	-1.6	3.2	4.1	2.7
Natural Gas	100	101	151	4.7	5.0	5.0	7.5
Dual Fired	37	37	*	-41.5	1.9	1.8	.0
Other Renewables	21	0	0	NM	1.1	.0	.0
Total IPP's & Combined Heat and Power	278	278	267	-5	14.0	13.7	13.3
Coal	110	110	85	-2.8	5.5	5.4	4.2
Petroleum	564	620	577	.3	28.4	30.6	28.8
Natural Gas	596	590	677	1.4	30.0	29.1	33.8
Dual Fired	345	345	271	-2.7	17.4	17.0	13.5
Hydroelectric	352	362	396	1.3	17.7	17.9	19.7
Other Renewables	21	*	0	NM	1.1	.0	.0
Total Electric Industry	1,989	2,028	2,006	.1	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
Alaska							
Coal	322,564	237,165	204,490	-4.9	5.6	3.9	3.0
Petroleum	458,542	740,721	875,153	7.4	8.0	12.0	12.9
Natural Gas	2,496,949	3,031,164	2,952,996	1.9	43.6	49.2	43.6
Hydroelectric	1,302,992	1,098,953	1,439,351	1.1	22.8	17.9	21.3
Total Electric Utilities	4,581,047	5,108,003	5,471,990	2.0	80.1	83.0	80.9
Coal	210,559	205,537	370,798	6.5	3.7	3.3	5.5
Petroleum	128,882	117,167	87,216	-4.2	2.3	1.9	1.3
Natural Gas	694,865	676,570	825,166	1.9	12.1	11.0	12.2
Other Renewables	105,926	47,569	12,155	-21.4	1.9	.8	.2
Total IPP's & Combined Heat and Power	1,140,231	1,046,843	1,295,335	1.4	19.9	17.0	19.1
Coal	533,123	442,702	575,288	.8	9.3	7.2	8.5
Petroleum	587,424	857,888	962,369	5.6	10.3	13.9	14.2
Natural Gas	3,191,814	3,707,734	3,778,162	1.9	55.8	60.2	55.8
Hydroelectric	1,302,992	1,098,953	1,439,351	1.1	22.8	17.9	21.3
Other Renewables	105,926	47,569	12,155	-21.4	1.9	.8	.2
Total Electric Industry	5,721,278	6,154,846	6,767,325	1.9	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)
Alaska				
Average heat value (Btu per pound).....	0	0	7,946	NM
Average heat value (Btu per gallon).....	0	0	144,536	NM
Gas (2002 cents per million Btu).....	139.7	178.8	227.1	5.5
Average heat value (Btu per cubic foot).....	999	1,000	1,018	.2

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)
Alaska				
Sulfur Dioxide				
Coal	3	7	4	0.9
Petroleum	*	*	*	-6.4
Gas.....	0	0	0	NM
Other.....	*	*	0	NM
Total	4	7	4	.1
Nitrogen Oxide				
Coal	4	4	4	.2
Petroleum	*	1	1	10.7
Gas.....	5	6	6	1.0
Other.....	*	*	0	NM
Total	10	10	11	1.2
Carbon Dioxide				
Coal	862	897	890	.4
Petroleum	526	794	895	6.1
Gas.....	2,200	2,540	2,420	1.1
Total	3,588	4,231	4,205	1.8

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
Alaska							
Retail Sales (thousand megawatthours)							
Residential.....	1,629	1,726	1,932	1.9	37.2	35.6	35.3
Commercial.....	2,062	2,181	2,238	.9	47.1	45.0	40.9
Industrial.....	501	756	1,088	9.0	11.4	15.6	19.9
Other.....	182	178	207	1.4	4.2	3.7	3.8
Total.....	4,375	4,841	5,465	2.5	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	202	203	233	1.6	41.0	40.5	40.7
Commercial.....	219	213	227	.4	44.5	42.5	39.7
Industrial.....	46	58	83	6.9	9.3	11.6	14.5
Other.....	26	27	29	1.3	5.3	5.4	5.1
Total.....	493	501	572	1.7	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	12.42	11.76	12.05	-.3	NA	NA	NA
Commercial.....	10.64	9.77	10.13	-.5	NA	NA	NA
Industrial.....	9.13	7.69	7.65	-1.9	NA	NA	NA
Other.....	14.22	15.16	14.04	-.1	NA	NA	NA
Total.....	11.28	10.35	10.46	-.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
Alaska						
Number of Entities.....	21	34	0	18	0	73
Number of Retail Customers.....	26,592	56,307	0	201,922	0	284,821
Retail Sales (thousand megawatthours).....	455	1,379	0	3,632	0	5,465
Percentage of Retail Sales.....	8.32	25.23	.00	66.45	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	59	136	0	378	0	572
Percentage of Revenue.....	10.26	23.71	.00	66.03	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	12.90	9.84	.00	10.40	0	10.46

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 ".*").