

Table 1. 2002 Summary Statistics

Item	Value	U.S. Rank
New Jersey		
NERC Region(s).....		MACC
Primary Energy Source		Nuclear
Net Summer Capability (megawatts).....	18,384	21
Electric Utilities	1,244	42
Independent Power Producers & Combined Heat and Power	17,140	6
Net Generation (megawatthours).....	61,569,387	22
Electric Utilities	1,569,056	44
Independent Power Producers & Combined Heat and Power	60,000,331	6
Emissions (thousand short tons)		
Sulfur Dioxide	49	36
Nitrogen Oxide	41	36
Carbon Dioxide	22,339	37
Sulfur Dioxide/sq. mile.....	7	17
Nitrogen Oxide/sq. mile.....	5	7
Carbon Dioxide/sq. mile.....	3,011	9
Utility and ESP Retail Electricity Sales (megawatthours).....	74,460,421	20
Utility Retail Electricity Sales (megawatthours)	73,368,045	20
ESP Retail Electricity Sales (megawatthours).....	1,092,376	12
Direct Use (megawatthours).....	14,141,784	4
Average Retail Price (cents/kWh).....	9.31	10

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
New Jersey			
1. PSEG Salem Generating	Petroleum, Nuclear	PSEG Nuclear LLC	2,259
2. Bergen	Other, Gas	PSEG Fossil LLC	1,224
3. PSEG Hudson Generatin.....	Other, Petroleum, Gas	PSEG Fossil LLC	1,120
4. PSEG Hope Creek Gener.....	Nuclear	PSEG Nuclear LLC	1,049
5. Linden Cogen Plant.....	Petroleum, Other, Gas	Cogen Technologies Linden Vent	900
6. PSEG Burlington Gener.....	Other, Gas	PSEG Fossil LLC	802
7. AES Red Oak LLC	Gas	AES Red Oak LLC	792
8. PSEG Mercer Generatin.....	Other, Gas, Coal	PSEG Fossil LLC	777
9. PSEG Linden Generatin.....	Other, Petroleum, Gas	PSEG Fossil LLC	775
10. PSEG Kearny Generatin.....	Other, Petroleum, Gas	PSEG Fossil LLC	764

See footnotes at end of tables.

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

Utility	All Sectors	Residential	Commercial	Industrial	Other
New Jersey					
A. Public Service Electric&Gas Co.....	41,555,465	12,825,350	21,664,674	6,684,529	380,912
B. Jersey Central Power&Light Co	20,562,264	8,972,974	8,462,157	3,045,994	81,139
C. Atlantic City Electric Company.....	8,583,371	4,103,761	3,693,045	739,644	46,921
D. Rockland Electric Company.....	1,542,342	696,176	776,409	62,972	6,785
E. City of Vineland.....	481,649	134,608	136,624	206,041	4,376
Total	72,725,091	26,732,869	34,732,909	10,739,180	520,133
Percentage of Utility Sales.....	98	98	97	97	90

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
New Jersey							
Coal	1,644	1,635	387	-14.8	10.0	9.7	2.1
Petroleum	3,072	2,788	286	-23.2	18.8	16.5	1.6
Natural Gas	2,863	1,984	0	NM	17.5	11.8	.0
Dual Fired	2,038	3,015	171	-24.1	12.4	17.9	.9
Nuclear	3,853	3,862	0	NM	23.5	22.9	.0
Hydroelectric	380	400	400	.6	2.3	2.4	2.2
Total Electric Utilities	13,850	13,684	1,244	-23.5	84.6	81.2	6.8
Coal	262	483	1,737	23.4	1.6	2.9	9.4
Petroleum	1	27	1,996	123.4	.0	.2	10.9
Natural Gas	315	574	3,293	29.8	1.9	3.4	17.9
Other Gases	0	0	21	NM	.0	.0	.1
Dual Fired	1,808	1,897	6,024	14.3	11.0	11.3	32.8
Nuclear	0	0	3,875	NM	.0	.0	21.1
Hydroelectric	13	13	13	.5	.1	.1	.1
Other Renewables	129	178	181	3.8	.8	1.1	1.0
Total IPP's & Combined Heat and Power	2,528	3,171	17,140	23.7	15.4	18.8	93.2
Coal	1,906	2,118	2,124	1.2	11.6	12.6	11.6
Petroleum	3,073	2,814	2,282	-3.3	18.8	16.7	12.4
Natural Gas	3,178	2,558	3,293	.4	19.4	15.2	17.9
Other Gases	0	0	21	NM	.0	.0	.1
Dual Fired	3,846	4,912	6,195	5.4	23.5	29.1	33.7
Nuclear	3,853	3,862	3,875	.1	23.5	22.9	21.1
Hydroelectric	393	413	413	.6	2.4	2.4	2.2
Other Renewables	129	178	181	3.8	.8	1.1	1.0
Total Electric Industry	16,378	16,855	18,384	1.3	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
New Jersey							
Coal	5,465,762	6,821,610	1,416,711	-13.9	11.3	16.3	2.3
Petroleum	1,028,686	384,469	202,514	-16.5	2.1	.9	.3
Natural Gas	2,981,168	2,776,813	95,631	-31.8	6.2	6.7	.2
Nuclear	24,932,240	13,908,074	0	NM	51.6	33.3	.0
Hydroelectric	-123,234	-129,523	-145,800	NM	-.3	-.3	-.2
Total Electric Utilities	34,284,622	23,761,443	1,569,056	-29.0	70.9	56.9	2.5
Coal	9	2,076,596	8,188,343	360.5	.0	5.0	13.3
Petroleum	446,538	383,575	528,119	1.9	.9	.9	.9
Natural Gas	12,563,872	14,211,118	18,973,727	4.7	26.0	34.0	30.8
Other Gases	86,860	131,982	90,483	.5	.2	.3	.1
Nuclear	0	0	30,865,675	NM	.0	.0	50.1
Hydroelectric	19,005	18,371	12,030	-5.0	.0	.0	.0
Other Renewables	943,978	1,173,176	1,330,416	3.9	2.0	2.8	2.2
Other	0	0	11,538	NM	.0	.0	.0
Total IPP's & Combined Heat and Power	14,060,261	17,994,817	60,000,331	17.5	29.1	43.1	97.5
Coal	5,465,771	8,898,206	9,605,054	6.5	11.3	21.3	15.6
Petroleum	1,475,224	768,044	730,633	-7.5	3.1	1.8	1.2
Natural Gas	15,545,040	16,987,931	19,069,358	2.3	32.2	40.7	31.0
Other Gases	86,860	131,982	90,483	.5	.2	.3	.1
Nuclear	24,932,240	13,908,074	30,865,675	2.4	51.6	33.3	50.1
Hydroelectric	-104,229	-111,152	-133,770	NM	-.2	-.3	-.2
Other Renewables	943,978	1,173,176	1,330,416	3.9	2.0	2.8	2.2
Other	0	0	11,538	NM	.0	.0	.0
Total Electric Industry	48,344,883	41,756,260	61,569,387	2.7	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)
New Jersey				
Coal (2002 cents per million Btu)	197.6	180.4	187.3	-0.6
Average heat value (Btu per pound)	13,397	13,084	12,853	-.5
Average sulfur Content(percent)	1.3	1.2	1.2	-.5
Petroleum (2002 cents per million Btu)	298.8	307.0	468.0	5.1
Average heat value (Btu per gallon)	149,284	148,489	141,631	-.6
Average sulfur Content(percent)4	.4	.4	*
Gas (2002 cents per million Btu)	256.3	303.3	404.4	5.2
Average heat value (Btu per cubic foot)	1,034	1,037	1,032	*

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)
New Jersey				
Sulfur Dioxide				
Coal	56	54	47	-2.1
Petroleum	7	3	2	-14.2
Gas.....	*	*	*	-13.7
Other.....	*	*	*	5.8
Total	64	57	49	-2.9
Nitrogen Oxide				
Coal	33	39	27	-2.1
Petroleum	2	*	1	-7.2
Gas.....	12	14	9	-3.8
Other.....	2	2	4	10.0
Total	48	57	41	-1.9
Carbon Dioxide				
Coal	5,834	9,798	10,499	6.8
Petroleum	1,378	596	830	-5.5
Gas.....	8,352	8,529	10,738	2.8
Other.....	143	203	272	7.4
Total	15,706	19,126	22,339	4.0

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
New Jersey							
Retail Sales (thousand megawatthours)							
Residential.....	22,042	22,286	27,183	2.4	33.6	33.8	36.5
Commercial.....	28,493	29,753	35,684	2.5	43.4	45.1	47.9
Industrial	14,596	13,369	11,016	-3.1	22.2	20.3	14.8
Other	490	507	578	1.9	.8	.8	.8
Total	65,621	65,915	74,460	1.4	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	2,801	2,768	2,821	.1	38.4	38.8	40.7
Commercial.....	3,090	3,165	3,166	.3	42.3	44.3	45.7
Industrial	1,315	1,114	862	-4.6	18.0	15.6	12.4
Other	96	96	81	-1.8	1.3	1.3	1.2
Total	7,301	7,142	6,930	-6	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	12.71	12.42	10.38	-2.2	NA	NA	NA
Commercial.....	10.84	10.64	8.87	-2.2	NA	NA	NA
Industrial	9.01	8.33	7.83	-1.5	NA	NA	NA
Other	19.54	18.85	14.04	-3.6	NA	NA	NA
Total	11.13	10.83	9.31	-2.0	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
New Jersey						
Number of Entities.....	4	9	0	1	12	26
Number of Retail Customers.....	3,631,508	55,770	0	11,138	6,151	3,704,567
Retail Sales (thousand megawatthours).....	72,243	988	0	137	1,092	74,460
Percentage of Retail Sales.....	97.02	1.33	.00	.18	1.47	100.00
Revenue from Retail Sales (million 2002 dollars).....	6,763	101	0	15	51	6,930
Percentage of Revenue.....	97.59	1.46	.00	.22	.73	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	9.36	10.26	.00	10.91	0	9.31

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 "**".)