

**Table 1. 2006 Summary Statistics**

Item	Value	U.S. Rank
<b>New Jersey</b>		
NERC Region(s).....		<b>RFC</b>
Primary Energy Source.....		<b>Nuclear</b>
<b>Net Summer Capacity (megawatts) .....</b>	<b>18,971</b>	<b>22</b>
Electric Utilities.....	1,005	42
Independent Power Producers & Combined Heat and Power.....	17,966	6
<b>Net Generation (megawatthours).....</b>	<b>60,700,139</b>	<b>24</b>
Electric Utilities.....	1,042,511	43
Independent Power Producers & Combined Heat and Power.....	59,657,628	6
<b>Emissions (thousand metric tons) .....</b>		
Sulfur Dioxide .....	56	31
Nitrogen Oxide.....	28	38
Carbon Dioxide.....	19,861	36
Sulfur Dioxide (lbs/MWh) .....	2.0	37
Nitrogen Oxide (lbs/MWh) .....	1.0	43
Carbon Dioxide (lbs/MWh).....	721	44
<b>Total Retail Sales (megawatthours).....</b>	<b>79,680,947</b>	<b>19</b>
Full Service Provider Sales (megawatthours) .....	64,113,031	23
Deregulated Sales (megawatthours) .....	15,567,916	6
<b>Direct Use (megawatthours) .....</b>	<b>2,209,981</b>	<b>16</b>
<b>Average Retail Price (cents/kWh).....</b>	<b>11.88</b>	<b>9</b>

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)
<b>New Jersey</b>			
1. PSEG Salem Generating Station .....	Nuclear	PSEG Nuclear LLC	2,342
2. PSEG Linden Generating Station.....	Gas	PSEG Fossil LLC	1,977
3. Bergen Generating Station .....	Gas	PSEG Fossil LLC	1,246
4. PSEG Hope Creek Generating Station .....	Nuclear	PSEG Nuclear LLC	1,061
5. PSEG Hudson Generating Station.....	Coal	PSEG Fossil LLC	991
6. Linden Cogen Plant .....	Gas	Cogen Technologies Linden Vent	900
7. PSEG Mercer Generating Station.....	Coal	PSEG Fossil LLC	777
8. AES Red Oak LLC.....	Gas	AES Red Oak LLC	766
9. Oyster Creek .....	Nuclear	AmerGen Energy Co LLC	619
10. PSEG Essex Generating Station.....	Gas	PSEG Fossil LLC	617

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
<b>New Jersey</b>						
1. Public Service Elec & Gas Co.....	Investor-Owned	34,354,438	13,392,801	18,829,797	2,119,605	12,235
2. Jersey Central Power & Lt Co.....	Investor-Owned	17,885,859	9,547,719	7,610,312	727,828	-
3. Atlantic City Electric Co.....	Investor-Owned	7,881,023	4,275,086	3,220,027	385,910	-
4. Reliant Energy Solutions East.....	Other Provider	3,129,905	-	-	3,129,905	-
5. PEPSCO Energy Services.....	Other Provider	2,611,186	-	2,534,252	-	76,934
Total Sales, Top Five Providers.....		65,862,411	27,215,606	32,194,388	6,363,248	89,169
Percent of Total State Sales.....		83	95	82	56	31

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
<b>New Jersey</b>										
<b>Electric Utilities.....</b>	<b>13,730</b>	<b>13,817</b>	<b>1,244</b>	<b>1,244</b>	<b>1,244</b>	<b>1,005</b>	<b>1,005</b>	<b>1,005</b>	<b>94.5</b>	<b>5.3</b>
Coal.....	1,652	1,629	387	387	387	307	307	307	11.4	1.6
Petroleum.....	3,784 <sup>R</sup>	2,890 <sup>R</sup>	286	286	286	232	232	232	26.0	1.2
Natural Gas.....	4,101 <sup>R</sup>	5,056 <sup>R</sup>	171	171	171	66	66	66	28.2	0.3
Nuclear.....	3,863	3,862	-	-	-	-	-	-	26.6	-
Pumped Storage.....	330	380	400	400	400	400	400	400	2.3	2.1
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>806</b>	<b>3,066</b>	<b>14,838</b>	<b>17,140</b>	<b>17,403</b>	<b>17,159</b>	<b>16,531</b>	<b>17,966</b>	<b>5.5</b>	<b>94.7</b>
Coal.....	-	483	1,701	1,737	1,737	1,817	1,770	1,817	-	9.6
Petroleum.....	6	28	2,159	2,247	2,921	2,582	1,550	1,578	*	8.3
Natural Gas.....	683	2,374	7,493	9,066	8,602	8,545	8,992	10,319	4.7	54.4
Other Gases.....	-	-	21	21	21	21	21	44	-	0.2
Nuclear.....	-	-	3,270	3,875	3,908	3,972	3,984	3,984	-	21.0
Hydroelectric.....	13	13	12	13	14	12	3	5	0.1	*
Other Renewables.....	105	169	182	181	200	200	200	208	0.7	1.1
Other.....	-	-	-	-	-	11	11	11	-	0.1
<b>Total Electric Industry.....</b>	<b>14,536</b>	<b>16,883</b>	<b>16,082</b>	<b>18,384</b>	<b>18,647</b>	<b>18,164</b>	<b>17,536</b>	<b>18,971</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	1,652	2,112	2,088	2,124	2,124	2,124	2,077	2,124	11.4	11.2
Petroleum.....	3,790 <sup>R</sup>	2,918 <sup>R</sup>	2,445	2,533	3,207	2,814	1,782	1,810	26.1	9.5
Natural Gas.....	4,784 <sup>R</sup>	7,430 <sup>R</sup>	7,664	9,237	8,773	8,611	9,058	10,385	32.9	54.7
Other Gases.....	-	-	21	21	21	21	21	44	-	0.2
Nuclear.....	3,863	3,862	3,270	3,875	3,908	3,972	3,984	3,984	26.6	21.0
Hydroelectric.....	13	13	12	13	14	12	3	5	0.1	*
Other Renewables.....	105	169	182	181	200	200	200	208	0.7	1.1
Pumped Storage.....	330	380	400	400	400	400	400	400	2.3	2.1
Other.....	-	-	-	-	-	11	11	11	-	0.1

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
<b>New Jersey</b>										
<b>Electric Utilities.....</b>	<b>36,488,596</b>	<b>27,087,559</b>	<b>1,630,319</b>	<b>1,569,056</b>	<b>1,910,115</b>	<b>1,648,908</b>	<b>1,248,594</b>	<b>1,042,511</b>	<b>91.3</b>	<b>1.7</b>
Coal.....	7,057,820	5,105,184	1,439,282	1,416,711	1,792,734	1,800,845	1,376,852	1,213,235	17.7	2.0
Petroleum.....	1,831,935	884,897	230,522	202,514	209,017	98,826	122,098	98,605	4.6	0.2
Natural Gas.....	3,978,001	4,386,493	102,255	95,631	28,246	36,476	32,351	29,272	10.0	*
Nuclear.....	23,770,387	16,805,517	-	-	-	-	-	-	59.5	-
Pumped Storage.....	-149,547	-94,532	-141,740	-145,800	-119,882	-287,239	-282,707	-298,601	-0.4	-0.5
<b>Independent Power Producers and Combined Heat and Power.....</b>	<b>3,480,238</b>	<b>18,011,099</b>	<b>57,790,941</b>	<b>60,000,330</b>	<b>55,489,236</b>	<b>54,233,433</b>	<b>59,300,989<sup>R</sup></b>	<b>59,657,628</b>	<b>8.7</b>	<b>98.3</b>
Coal.....	-	2,060,796	7,879,758	8,188,343	7,996,829	8,521,626	10,248,558	9,648,638	-	15.9
Petroleum.....	263,034	837,391	1,066,103	528,119	1,332,535	1,291,994	984,463	178,623	0.7	0.3
Natural Gas.....	2,936,324	13,816,028	16,605,946	18,973,727	14,747,331	15,950,119	15,164,814	15,608,350	7.3	25.7
Other Gases.....	-	64,073	448,885	90,483	255,374	49,464	64,932	130,450	-	0.2
Nuclear.....	-	-	30,469,230	30,865,675	29,709,201	27,081,566	31,391,685	32,567,885	-	53.7
Hydroelectric.....	31,351	10,955	18,002	12,030	38,891	37,503	31,113	35,436	0.1	0.1
Other Renewables.....	249,529	1,221,856	843,632	847,199	906,771	804,792	874,905 <sup>R</sup>	916,783	0.6	1.5
Other.....	-	-	459,385	494,755	502,304	496,369	540,519	571,461	-	0.9
<b>Total Electric Industry.....</b>	<b>39,968,834</b>	<b>45,098,658</b>	<b>59,421,260</b>	<b>61,569,386</b>	<b>57,399,351</b>	<b>55,882,341</b>	<b>60,549,583<sup>R</sup></b>	<b>60,700,139</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	7,057,820	7,165,980	9,319,040	9,605,054	9,789,563	10,322,471	11,625,410	10,861,873	17.7	17.9
Petroleum.....	2,094,969	1,722,288	1,296,625	730,633	1,541,552	1,390,820	1,106,561	277,228	5.2	0.5
Natural Gas.....	6,914,325	18,202,521	16,708,201	19,069,358	14,775,577	15,986,595	15,197,165	15,637,622	17.3	25.8
Other Gases.....	-	64,073	448,885	90,483	255,374	49,464	64,932	130,450	-	0.2
Nuclear.....	23,770,387	16,805,517	30,469,230	30,865,675	29,709,201	27,081,566	31,391,685	32,567,885	59.5	53.7
Hydroelectric.....	31,351	10,955	18,002	12,030	38,891	37,503	31,113	35,436	0.1	0.1
Other Renewables.....	249,529	1,221,856	843,632	847,199	906,771	804,792	874,905 <sup>R</sup>	916,783	0.6	1.5
Pumped Storage.....	-149,547	-94,532	-141,740	-145,800	-119,882	-287,239	-282,707	-298,601	-0.4	-0.5
Other.....	-	-	459,385	494,755	502,304	496,369	540,519	571,461	-	0.9

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
<b>New Jersey</b>								
Coal (cents per million Btu)	180	178	227	187	180	205	218	273
Average heat value (Btu per pound)	13,429	13,282	13,000	13,137	13,056	12,868	12,644	12,770
Average sulfur Content (percent)	1.16	1.21	1.57	1.23	1.11	1.58	1.14	1.17
Petroleum (cents per million Btu)	360	286	454	468	604	602	985	970
Average heat value (Btu per gallon)	148,298	149,310	141,667	143,162	139,250	135,095	134,802	141,505
Average sulfur Content (percent)	0.38	0.37	0.54	0.38	0.16	0.14	0.08	0.19
Natural Gas (cents per million Btu)	217	212	336	404	620	696	963	789
Average heat value (Btu per cubic foot)	1,032	1,031	1,030	1,035	1,036	1,031	1,024	1,024

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
<b>New Jersey</b>								
<b>Sulfur Dioxide .....</b>								
Coal.....	63	34	45	44	46	47	63	55
Petroleum.....	9	4	3	2	3	2	2	1
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	*	*	*	*	*	*	*	*
Total.....	71	38	48	46	49	49	65	56
<b>Nitrogen Oxide .....</b>								
Coal.....	35	29	23	24	21	20	22	16
Petroleum.....	4	2	2	1	2	2	2	1
Natural Gas.....	10	20	7	9	6	7	6	6
Other.....	1	2	5	5	5	5	5	5
Total.....	50	54	37	39	35	34	35	28
<b>Carbon Dioxide .....</b>								
Coal.....	6,777	7,323	10,323	9,645	9,825	10,364	11,537	10,691
Petroleum.....	2,227	1,623	1,400	814	1,489	1,354	997	409
Natural Gas.....	4,358	10,180	9,189	10,635	8,178	8,874	7,880	8,039
Other Renewables.....	152	862	840	878	712	697	689	721
Total.....	13,513	19,987	21,752	21,972	20,205	21,289	21,103	19,861

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
<b>New Jersey</b>										
<b>Retail Sales (thousand megawatthours) .....</b>										
Residential.....	20,498	22,470	25,491	27,171	27,367	28,020	29,973	28,622	32.6	35.9
Commercial.....	26,839	29,792	34,445	35,429	36,616	38,074	39,762	39,437	42.7	49.5
Industrial.....	15,041	13,989	12,707	11,476	12,215	11,210	11,862	11,331	23.9	14.2
Other.....	479	504	534	526	NA	NA	NA	NA	0.8	NA
Transportation.....	NA	NA	NA	NA	184	290	299	291	NA	0.4
All Sectors.....	62,857	66,754	73,177	74,603	76,383	77,593	81,897	79,681	100.0	100.0
<b>Retail Revenue (million dollars).....</b>										
Residential.....	2,123	2,692	2,603	2,820	2,921	3,148	3,518	3,676	37.2	38.8
Commercial.....	2,400	3,049	3,132	3,155	3,335	3,793	4,218	4,583	42.1	48.4
Industrial.....	1,107	1,140	1,059	886	976	1,012	1,158	1,180	19.4	12.5
Other.....	77	91	60	78	NA	NA	NA	NA	1.3	NA
Transportation.....	NA	NA	NA	NA	13	32	23	28	NA	0.3
All Sectors.....	5,707	6,972	6,853	6,939	7,245	7,984	8,917	9,467	100.0	100.0
<b>Average Retail Prices (cents/KWh) .....</b>										
Residential.....	10.36	11.98	10.21	10.38	10.67	11.23	11.74	12.84	NA	NA
Commercial.....	8.94	10.23	9.09	8.90	9.11	9.96	10.61	11.62	NA	NA
Industrial.....	7.36	8.15	8.33	7.72	7.99	9.03	9.76	10.42	NA	NA
Other.....	15.96	18.07	11.21	14.81	NA	NA	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	7.15	10.94	7.65	9.70	NA	NA
All Sectors.....	9.08	10.44	9.36	9.30	9.48	10.29	10.89	11.88	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	
<b>New Jersey</b>								
Number of Entities	4	9	NA	1	3	17	4	38
Number of Retail Customers	3,770,658	63,258	NA	11,599	4	2,325	NA	3,847,844
Retail Sales (thousand megawatthours)	61,620	1,217	NA	151	1,125	15,568	NA	79,681
Percentage of Retail Sales	77.33	1.53	NA	0.19	1.41	19.54	NA	100.00
Revenue from Retail Sales (million dollars)	7,431	142	NA	17	121	1,194	562	9,467
Percentage of Revenue	78.50	1.50	NA	0.18	1.28	12.61	5.93	100.00
Average Retail Price (cents/kWh)	12.06	11.70	NA	11.17	10.78	7.67	3.61	11.88

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
<b>New Jersey</b>								
<b>Supply</b>								
<b>Generation</b>								
Electric Utilities	36,489	27,088	1,630	1,569	1,910	1,649	1,249	1,043
Independent Power Producers	253	1,434	41,097	43,924	41,228	42,169	46,809	48,723
Combined Heat and Power, Electric	2,202	13,591	13,418	13,693	12,777	10,705	11,365	9,999
<b>Electric Power Sector Generation Subtotal</b>	<b>38,943</b>	<b>42,113</b>	<b>56,145</b>	<b>59,186</b>	<b>55,916</b>	<b>54,523</b>	<b>59,422</b>	<b>59,765</b>
Combined Heat and Power, Commercial	78	146	172	119	133	106	70	115
Combined Heat and Power, Industrial	948	2,840	3,104	2,265	1,351	1,254	1,057	820
<b>Industrial and Commercial Generation Subtotal</b>	<b>1,026</b>	<b>2,986</b>	<b>3,277</b>	<b>2,384</b>	<b>1,484</b>	<b>1,359</b>	<b>1,128</b>	<b>935</b>
<b>Total Net Generation</b>	<b>39,969</b>	<b>45,099</b>	<b>59,421</b>	<b>61,569</b>	<b>57,399</b>	<b>55,882</b>	<b>60,550</b>	<b>60,700</b>
<b>Total Supply</b>	<b>39,969</b>	<b>45,099</b>	<b>59,421</b>	<b>61,569</b>	<b>57,399</b>	<b>55,882</b>	<b>60,550</b>	<b>60,700</b>
<b>Disposition</b>								
<b>Retail Sales</b>								
Full Service Providers	62,857	66,754	70,136	73,368	68,558	58,768	64,160	62,988
Energy-Only Providers	-	-	3,042	1,235	6,714	18,574	16,553	15,568
Facility Direct Retail Sales	-	-	-	-	1,110	252	1,184	1,125
<b>Total Electric Industry Retail Sales</b>	<b>62,857</b>	<b>66,754</b>	<b>73,177</b>	<b>74,603</b>	<b>76,383</b>	<b>77,593</b>	<b>81,897</b>	<b>79,681</b>
<b>Direct Use</b>	<b>1,094</b>	<b>2,235</b>	<b>2,324</b>	<b>2,374</b>	<b>2,404</b>	<b>2,407</b>	<b>2,643</b>	<b>2,210</b>
<b>Total International Exports</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>-</b>
<b>Estimated Losses</b>	<b>4,713</b>	<b>5,068</b>	<b>4,418</b>	<b>5,686</b>	<b>5,890</b>	<b>5,721</b>	<b>6,504</b>	<b>6,080</b>
<b>Total Disposition</b>	<b>68,664</b>	<b>74,056</b>	<b>79,919</b>	<b>82,663</b>	<b>84,676</b>	<b>85,721</b>	<b>91,044</b>	<b>87,971</b>
<b>Net Interstate Trade</b>	<b>-28,695</b>	<b>-28,958</b>	<b>-20,497</b>	<b>-21,093</b>	<b>-27,277</b>	<b>-29,839</b>	<b>-30,494</b>	<b>-27,271</b>
<b>Net Trade Index (ratio)</b>	<b>0.58</b>	<b>0.61</b>	<b>0.74</b>	<b>0.74</b>	<b>0.68</b>	<b>0.65</b>	<b>0.67</b>	<b>0.69</b>

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.