

**Table 1. 2003 Summary Statistics**

Item	Value	U.S. Rank
<b>New York</b>		
NERC Region(s).....		NPCC
Primary Energy Source .....		Nuclear
Net Summer Capability (megawatts).....	36,696	6
Electric Utilities .....	11,902	20
Independent Power Producers & Combined Heat and Power .....	24,796	5
Net Generation (megawatthours).....	137,643,316	7
Electric Utilities .....	41,578,894	25
Independent Power Producers & Combined Heat and Power .....	96,064,422	5
Emissions (thousand metric tons)		
Sulfur Dioxide .....	259	15
Nitrogen Oxide .....	81	21
Carbon Dioxide .....	56,944	14
Sulfur Dioxide (lbs/MWh).....	4.1	30
Nitrogen Oxide (lbs/MWh).....	1.3	42
Carbon Dioxide (lbs/MWh).....	912	41
Total Retail Sales (megawatthours).....	144,044,703	5
Full Service Provider Sales (megawatthours).....	100,387,510	11
Deregulated Sales (megawatthours).....	43,657,193	2
Direct Use (megawatthours).....	4,216,899	11
Average Retail Price (cents/kWh).....	12.44	2

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2003**

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
<b>New York</b>			
1. Ravenswood.....	Gas, Petroleum	KeySpan-Ravenswood Inc	2,447
2. Robert Moses Niagara.....	Hydro	Power Authority of State of NY	2,210
3. Nine Mile Point Nuclear Station.....	Nuclear	Nine Mile Point Nuclear Sta LLC	1,756
4. Oswego Harbor Power.....	Gas, Petroleum	NRG Oswego Harbor Power Operations Inc	1,667
5. Northport .....	Gas, Petroleum	KeySpan Generation LLC	1,552
6. Astoria Generating Station.....	Gas, Petroleum	Astoria Generating Co LP	1,290
7. Roseton Generating Station .....	Gas, Petroleum	Dynegy Northeast Gen Inc	1,207
8. Bowline Point.....	Gas, Petroleum	Mirant New York Inc	1,139
9. Blenheim Gilboa .....	Hydro	Power Authority of State of NY	1,057
10. Indian Point 3 .....	Nuclear	Energys Nuclear Indian Point 3	985

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2003**  
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
<b>New York</b>						
1. Consolidated Edison Co-NY Inc.....	Investor-Owned	30,628,082	12,440,663	17,766,204	403,022	18,193
2. Niagara Mohawk Power Corp.....	Investor-Owned	20,934,910	10,232,341	8,075,084	2,627,485	0
3. Long Island Power Authority.....	Public	18,834,909	8,997,588	9,593,209	0	244,112
4. Power Authority of State of NY.....	Power Marketer	13,898,804	0	7,111,745	4,209,384	2,577,675
5. New York State Electric & Gas.....	Investor-Owned	11,388,219	5,574,081	2,474,015	3,313,581	26,542
Total Sales, Top Five Providers.....		95,684,924	37,244,673	45,020,257	10,553,472	2,866,522
Percent of Total State Sales.....		66	79	62	49	100

See footnotes at end of tables.

**Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003**  
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
<b>New York</b>							
<b>Electric Utilities</b> .....	<b>32,824</b>	<b>29,585</b>	<b>11,902</b>	<b>-10.7</b>	<b>87.0</b>	<b>84.6</b>	<b>32.4</b>
Coal.....	3,879	3,891	302	-24.7	10.3	11.1	.8
Petroleum.....	5,115	4,519	2,320	-8.4	13.6	12.9	6.3
Natural Gas.....	4,825	1,363	1,017	-15.9	12.8	3.9	2.8
Dual Fired.....	6,938	9,779	3,258	-8.1	18.4	28.0	8.9
Nuclear.....	4,831	4,966	498	-22.3	12.8	14.2	1.4
Hydroelectric.....	3,796	3,787	3,210	-1.8	10.1	10.8	8.7
Pumped Storage.....	3,440	1,280	1,297	-10.3	9.1	3.7	3.5
<b>Independent Power Producers and Combined</b>							
<b>Heat and Power</b> .....	<b>4,921</b>	<b>5,395</b>	<b>24,796</b>	<b>19.7</b>	<b>13.0</b>	<b>15.4</b>	<b>67.6</b>
Coal.....	371	395	3,925	30.0	1.0	1.1	10.7
Petroleum.....	72	65	1,389	38.9	.2	.2	3.8
Natural Gas.....	2,026	2,519	2,199	.9	5.4	7.2	6.0
Other Gases.....	20	23	0	NM	.1	.1	.0
Dual Fired.....	1,691	1,620	11,430	23.7	4.5	4.6	31.1
Nuclear.....	0	0	4,531	NM	.0	.0	12.3
Hydroelectric.....	324	359	950	12.7	.9	1.0	2.6
Other Renewables.....	417	414	372	-1.3	1.1	1.2	1.0
<b>Total Electric Industry</b> .....	<b>37,745</b>	<b>34,981</b>	<b>36,696</b>	<b>-.3</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	4,251	4,286	4,226	-.1	11.3	12.3	11.5
Petroleum.....	5,187	4,585	3,708	-3.7	13.7	13.1	10.1
Natural Gas.....	6,851	3,882	3,216	-8.1	18.2	11.1	8.8
Other Gases.....	20	23	0	NM	.1	.1	.0
Dual Fired.....	8,628	11,399	14,688	6.1	22.9	32.6	40.0
Nuclear.....	4,831	4,966	5,028	.4	12.8	14.2	13.7
Hydroelectric.....	4,120	4,146	4,160	.1	10.9	11.9	11.3
Other Renewables.....	417	414	373	-1.2	1.1	1.2	1.0
Pumped Storage.....	3,440	1,280	1,297	-10.3	9.1	3.7	3.5

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003**  
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
<b>New York</b>							
<b>Electric Utilities</b> .....	<b>103,762,902</b>	<b>115,840,453</b>	<b>41,578,894</b>	<b>-9.7</b>	<b>82.3</b>	<b>80.0</b>	<b>30.2</b>
Coal.....	20,859,090	23,503,467	1,693,854	-24.3	16.6	16.2	1.2
Petroleum.....	10,998,162	14,523,573	9,681,490	-1.4	8.7	10.0	7.0
Natural Gas.....	17,463,636	19,913,329	7,737,717	-8.6	13.9	13.7	5.6
Nuclear.....	29,231,434	31,313,708	3,864,019	-20.1	23.2	21.6	2.8
Hydroelectric.....	26,345,630	27,739,454	19,513,620	-3.3	20.9	19.1	14.2
Other Renewables.....	10,794	4,603	0	NM	*	*	.0
Pumped Storage.....	-1,145,844	-1,157,681	-911,806	NM	-9	-8	-7
<b>Independent Power Producers and Combined</b>							
<b>Heat and Power</b> .....	<b>22,266,670</b>	<b>29,022,795</b>	<b>96,064,422</b>	<b>17.6</b>	<b>17.7</b>	<b>20.0</b>	<b>69.8</b>
Coal.....	2,431,566	1,761,313	21,887,213	27.7	1.9	1.2	15.9
Petroleum.....	1,032,216	377,209	9,610,109	28.1	.8	.3	7.0
Natural Gas.....	14,766,293	22,558,270	20,418,631	3.7	11.7	15.6	14.8
Other Gases.....	94,206	88,313	0	NM	.1	.1	.0
Nuclear.....	0	0	36,815,186	NM	.0	.0	26.7
Hydroelectric.....	1,445,627	1,576,324	4,755,040	14.1	1.1	1.1	3.5
Other Renewables.....	2,496,762	2,661,366	2,578,242	.4	2.0	1.8	1.9
<b>Total Electric Industry</b> .....	<b>126,029,572</b>	<b>144,863,248</b>	<b>137,643,316</b>	<b>1.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	23,290,656	25,264,780	23,581,067	.1	18.5	17.4	17.1
Petroleum.....	12,030,378	14,900,782	19,291,599	5.4	9.5	10.3	14.0
Natural Gas.....	32,229,929	42,471,599	28,156,348	-1.5	25.6	29.3	20.5
Other Gases.....	94,206	88,313	0	NM	.1	.1	.0
Nuclear.....	29,231,434	31,313,708	40,679,205	3.7	23.2	21.6	29.6
Hydroelectric.....	27,791,257	29,315,778	24,268,660	-1.5	22.1	20.2	17.6
Other Renewables.....	2,507,556	2,665,969	2,578,242	.3	2.0	1.8	1.9
Pumped Storage.....	-1,145,844	-1,157,681	-911,806	NM	-9	-8	-7

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003**

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>New York</b>				
Coal (cents per million Btu).....	145.2	143.4	159.5	1.0
Average heat value (Btu per pound).....	12,959	13,052	12,545	-4
Average sulfur Content (percent).....	1.7	1.7	1.8	.6
Petroleum (cents per million Btu).....	251.3	203.5	493.2	7.8
Average heat value (Btu per gallon).....	149,567	150,742	149,997	*
Average sulfur Content (percent).....	.7	.8	.7	*
Natural Gas (cents per million Btu).....	223.6	249.6	605.0	11.7
Average heat value (Btu per cubic foot).....	1,031	1,029	1,024	-1

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003**  
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>New York</b>				
Sulfur Dioxide				
Coal .....	222	225	187	-1.9
Petroleum .....	44	62	70	5.4
Natural Gas .....	*	*	*	5.3
Other .....	3	1	2	-5.3
Total .....	269	288	259	-4
Nitrogen Oxide				
Coal .....	87	62	39	-8.6
Petroleum .....	19	17	23	1.9
Gas .....	33	34	13	-10.2
Other .....	6	6	7	1.7
Total .....	145	119	81	-6.3
Carbon Dioxide				
Coal .....	24,496	25,919	24,099	-2
Petroleum .....	10,611	12,686	16,322	4.9
Gas .....	17,646	22,132	14,993	-1.8
Geothermal .....	—	—	—	NM
Other .....	377	407	1,531	16.8
Total .....	53,129	61,145	56,944	.8

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003**

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
<b>New York</b>							
Retail Sales (thousand megawatthours)							
Residential .....	40,105	40,563	47,116	1.8	30.6	30.2	32.7
Commercial .....	48,828	55,745	72,495	4.5	37.2	41.5	50.3
Industrial .....	29,467	25,218	21,745	-3.3	22.5	18.8	15.1
Other .....	12,777	12,669	NA	NM	9.7	9.4	NA
Transportation .....	NA	NA	2,689	NM	NA	NA	1.9
Total .....	131,177	134,196	144,045	1.0	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential .....	5,435	5,523	6,743	2.4	37.9	38.7	37.6
Commercial .....	5,700	6,376	9,372	5.7	39.8	44.7	52.3
Industrial .....	1,996	1,247	1,552	-2.8	13.9	8.7	8.7
Other .....	1,189	1,121	NA	NM	8.3	7.9	NA
Transportation .....	NA	NA	252	NM	NA	NA	1.4
Total .....	14,320	14,267	17,920	2.5	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential .....	13.55	13.66	14.31	.6	NA	NA	NA
Commercial .....	11.67	11.63	12.93	1.1	NA	NA	NA
Industrial .....	6.77	4.95	7.14	.6	NA	NA	NA
Other .....	9.31	8.85	NA	NM	NA	NA	NA
Transportation .....	NA	NA	9.38	NM	NA	NA	NA
Total .....	10.92	10.71	12.44	1.5	NA	NA	NA

See footnotes at end of tables.

**Table 9. Retail Electricity Sales Statistics, 2003**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>New York</b>								
Number of Entities.....	9	48	NA	4	3	25	7	96
Number of Retail Customers.....	6,245,232	1,243,176	NA	16,816	1,867	369,904	NA	7,876,995
Retail Sales (thousand megawatthours) .....	76,373	23,538	NA	186	291	43,657	NA	144,045
Percentage of Retail Sales .....	53.02	16.34	NA	.13	.20	30.31	NA	100.00
Revenue from Retail Sales (million dollars) .....	10,480	2,744	NA	16	23	3,065	1,591	17,920
Percentage of Revenue.....	58.48	15.31	NA	.09	.13	17.10	8.88	100.00
Average Retail Price (cents/kWh).....	13.72	11.66	NA	8.73	8.06	7.02	3.65	12.44

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.