

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
New York		
NERC Region(s).....		NPCC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	39,550	6
Electric Utilities.....	12,046	20
Independent Power Producers & Combined Heat and Power.....	27,505	5
Net Generation (megawatthours).....	142,265,432	7
Electric Utilities.....	41,598,844	26
Independent Power Producers & Combined Heat and Power.....	100,666,588	5
Emissions (thousand metric tons)		
Sulfur Dioxide	122	21
Nitrogen Oxide	64	28
Carbon Dioxide.....	50,961	19
Sulfur Dioxide (lbs/MWh)	1.9	38
Nitrogen Oxide (lbs/MWh)	1.0	44
Carbon Dioxide (lbs/MWh).....	790	42
Total Retail Sales (megawatthours).....	142,238,019	7
Full Service Provider Sales (megawatthours)	87,101,911	15
Deregulated Sales (megawatthours)	55,136,108	1
Direct Use (megawatthours)	1,717,878	19
Average Retail Price (cents/kWh).....	15.27	3

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)
New York			
1. Robert Moses Niagara	Hydroelectric	New York Power Authority	2,353
2. Ravenswood.....	Gas	KeySpan-Ravenswood Inc	2,324
3. Nine Mile Point Nuclear Station	Nuclear	Nine Mile Point Nuclear Sta LLC	1,761
4. Oswego Harbor Power.....	Petroleum	NRG Oswego Harbor Power Operations Inc	1,635
5. Northport	Gas	KeySpan Generation LLC	1,565
6. Astoria Generating Station	Gas	U S Power Generating Company LLC	1,273
7. Roseton Generating Station.....	Petroleum	Dynegy Northeast Gen Inc	1,213
8. Bowline Point	Gas	Mirant New York Inc	1,139
9. Athens Generating Plant.....	Gas	Athens Generating Company LLC	1,138
10. Blenheim Gilboa.....	Pumped Storage	New York Power Authority	1,057

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
1. Consolidated Edison Co-NY Inc	Investor-Owned	26,100,714	12,589,959	13,230,007	267,531	13,217
2. Long Island Power Authority	Public	18,353,670	9,277,824	8,824,667	-	251,179
3. Niagara Mohawk Power Corp	Investor-Owned	16,912,826	10,247,534	5,075,399	1,589,350	543
4. New York Power Authority	Public	14,887,670	-	7,560,230	4,711,473	2,615,967
5. New York State Elec & Gas Corp	Investor-Owned	9,953,801	5,648,612	2,532,073	1,745,002	28,114
Total Sales, Top Five Providers		86,208,681	37,763,929	37,222,376	8,313,356	2,909,020
Percent of Total State Sales		61	78	49	56	100

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
New York										
Electric Utilities.....	31,224	32,147	11,572	11,675	11,902	11,386	11,927	12,046	96.3	30.5
Coal.....	3,887	3,870	302	302	302	297	297	297	12.0	0.8
Petroleum.....	12,349 ^R	7,637 ^R	3,638	3,638	3,688	2,642	2,450	2,468	38.1	6.2
Natural Gas	5,065 ^R	8,469 ^R	2,682	2,783	2,908	3,894	4,628	4,628	15.6	11.7
Nuclear.....	4,839	4,824	498	498	498	-	-	-	14.9	-
Hydroelectric	1,645	3,906	3,155	3,158	3,210	3,256	3,256	3,356	5.1	8.5
Pumped Storage.....	3,440	3,440	1,297	1,297	1,297	1,297	1,297	1,297	10.6	3.3
Independent Power Producers and Combined Heat and Power	1,184	5,329	24,080	24,366	24,795	26,457	27,195	27,505	3.7	69.5
Coal.....	264	395	3,811	3,842	3,924	3,904	3,921	3,717	0.8	9.4
Petroleum.....	86	55	4,155	4,218	4,768	4,766	4,782	4,773	0.3	12.1
Natural Gas	258	4,078	10,242	10,415	10,249	11,380	11,867	12,189	0.8	30.8
Other Gases.....	20	20	-	-	-	-	-	-	0.1	-
Nuclear.....	-	-	4,550	4,550	4,531	5,067	5,150	5,156	-	13.0
Hydroelectric	289	366	957	952	950	954	951	951	0.9	2.4
Other Renewables.....	266	413	365	390	373	386	525	720	0.8	1.8
Total Electric Industry.....	32,408	37,476	35,653	36,041	36,696	37,842	39,122	39,550	100.0	100.0
Coal.....	4,151	4,266	4,113	4,144	4,226	4,201	4,218	4,014	12.8	10.1
Petroleum.....	12,435 ^R	7,693 ^R	7,793	7,856	8,456	7,407	7,231	7,241	38.4	18.3
Natural Gas	5,322 ^R	12,547 ^R	12,925	13,197	13,156	15,274	16,494	16,816	16.4	42.5
Other Gases.....	20	20	-	-	-	-	-	-	0.1	-
Nuclear.....	4,839	4,824	5,047	5,047	5,028	5,067	5,150	5,156	14.9	13.0
Hydroelectric	1,934	4,272	4,113	4,109	4,160	4,210	4,207	4,307	6.0	10.9
Other Renewables.....	266	413	365	390	373	386	525	720	0.8	1.8
Pumped Storage.....	3,440	3,440	1,297	1,297	1,297	1,297	1,297	1,297	10.6	3.3

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
New York										
Electric Utilities.....	128,655,291	101,160,796	58,568,850	43,466,278	41,578,894	40,955,819	39,962,653	41,598,844	95.1	29.2
Coal.....	24,616,655	19,943,312	2,087,952	1,682,022	1,693,854	1,707,414	1,108,151	1,211,432	18.2	0.9
Petroleum.....	33,404,291	7,834,878	9,177,172	7,434,611	9,681,490	9,159,172	9,769,302	3,927,419	24.7	2.8
Natural Gas.....	21,262,936	23,414,071	8,871,000	10,798,275	7,737,717	7,210,772	8,113,145	15,424,911	15.7	10.8
Nuclear.....	23,623,356	26,336,172	20,753,492	3,826,848	3,864,019	1,917,259	-	-	17.5	-
Hydroelectric.....	26,802,148	24,782,142	18,609,754	20,645,746	19,513,620	21,774,373	21,752,786	21,791,238	19.8	15.3
Other Renewables.....	-	12,234	-	-	-	-	-	-	-	-
Pumped Storage.....	-1,054,095	-1,162,013	-930,520	-921,224	-911,806	-813,171	-780,731	-756,156	-0.8	-0.5
Independent Power Producers and Combined Heat and Power.....	6,690,401	32,252,485	85,345,709	96,125,411	96,064,422	97,008,974	106,924,766	100,666,588	4.9	70.8
Coal.....	1,296,392	2,345,601	21,343,970	21,557,091	21,887,213	21,146,482	19,489,531 ^R	19,757,216	1.0	13.9
Petroleum.....	480,564	433,412	7,334,921	4,099,498	9,610,109	11,998,634	14,274,956	2,902,450	0.4	2.0
Natural Gas.....	1,461,399	25,642,435	29,826,215	27,652,917	20,418,631	20,114,103	23,717,861 ^R	26,646,281	1.1	18.7
Other Gases.....	89,034	96,673	114,537	-	-	-	-	-	0.1	-
Nuclear.....	-	-	19,641,493	35,790,643	36,815,186	38,723,046	42,443,152	42,223,899	-	29.7
Hydroelectric.....	1,386,074	1,211,055	4,474,201	4,402,149	4,755,040	2,215,289	4,029,732	5,553,417	1.0	3.9
Other Renewables.....	1,976,938	2,523,309	1,801,072	1,807,668	1,735,500	1,927,047	1,998,458 ^R	2,606,487	1.5	1.8
Other.....	-	-	809,300	815,443	842,742	884,374	971,076	976,838	-	0.7
Total Electric Industry.....	135,345,692	133,413,281	143,914,559	139,591,689	137,643,316	137,964,793	146,887,419	142,265,432	100.0	100.0
Coal.....	25,913,047	22,288,913	23,431,922	23,239,113	23,581,067	22,853,896	20,597,682 ^R	20,968,648	19.1	14.7
Petroleum.....	33,884,855	8,268,290	16,512,093	11,534,109	19,291,599	21,157,806	24,044,258	6,829,869	25.0	4.8
Natural Gas.....	22,724,335	49,056,506	38,697,215	38,451,192	28,156,348	27,324,875	31,831,006 ^R	42,071,192	16.8	29.6
Other Gases.....	89,034	96,673	114,537	-	-	-	-	-	0.1	-
Nuclear.....	23,623,356	26,336,172	40,394,985	39,617,491	40,679,205	40,640,305	42,443,152	42,223,899	17.5	29.7
Hydroelectric.....	28,188,222	25,993,197	23,083,955	25,047,895	24,268,660	23,989,662	25,782,518	27,344,655	20.8	19.2
Other Renewables.....	1,976,938	2,535,543	1,801,072	1,807,668	1,735,500	1,927,047	1,998,458 ^R	2,606,487	1.5	1.8
Pumped Storage.....	-1,054,095	-1,162,013	-930,520	-921,224	-911,806	-813,171	-780,731	-756,156	-0.8	-0.5
Other.....	-	-	809,300	815,443	842,742	884,374	971,076	976,838	-	0.7

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
New York								
Coal (cents per million Btu)	161	141	142	155	159	176	213	240
Average heat value (Btu per pound)	12,846	13,051	13,025	13,019	12,545	12,063	11,832	11,584
Average sulfur Content (percent)	1.84	1.79	1.97	1.78	1.80	1.66	1.40	1.36
Petroleum (cents per million Btu)	360	263	350	366	493	486	731	800
Average heat value (Btu per gallon)	150,036	148,624	149,286	149,371	149,998	149,024	148,914	150,136
Average sulfur Content (percent)	0.76	0.57	0.65	1.02	0.67	0.89	0.72	0.63
Natural Gas (cents per million Btu)	238	208	405	399	605	653	905	761
Average heat value (Btu per cubic foot)	1,033	1,026	1,010	1,019	1,025	1,021	1,019	1,018

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
New York								
Sulfur Dioxide								
Coal.....	271	200	198	194	187	158	121	100
Petroleum.....	138	27	62	43	70	76	65	21
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	8	3	1	1	2	2	2	1
Total.....	417	229	261	239	259	236	187	122
Nitrogen Oxide								
Coal.....	106	81	46	46	39	33	30	29
Petroleum.....	51	12	25	16	24	28	28	13
Natural Gas.....	30	50	17	22	14	13	15	11
Other.....	6	6	8	8	9	10	10	11
Total.....	193	149	97	91	86	85	82	64
Carbon Dioxide								
Coal.....	26,368	23,408	24,280	23,496	24,072	23,407	21,536	21,542
Petroleum.....	27,877	7,159	14,449	10,046	16,337	18,044	20,237	6,143
Natural Gas.....	13,096	24,545	20,216	20,715	15,007	14,481	16,954	21,526
Other Renewables.....	1,087	1,389	1,518	1,514	1,531	1,604	1,719	1,750
Total.....	68,428	56,501	60,463	55,771	56,946	57,535	60,445	50,961

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
New York										
Retail Sales (thousand megawatthours)										
Residential.....	38,574	39,887	44,236	46,457	47,116	47,379	50,533	48,427	29.8	34.0
Commercial.....	46,921	52,751	60,806	62,271	72,495	74,378	76,822	76,029	36.3	53.5
Industrial.....	31,929	25,317	25,450	25,148	21,745	20,675	19,947	14,976	24.7	10.5
Other.....	11,900	12,515	13,689	13,565	NA	NA	NA	NA	9.2	NA
Transportation.....	NA	NA	NA	NA	2,689	2,650	2,846	2,806	NA	2.0
All Sectors.....	129,324	130,471	144,181	147,440	144,045	145,082	150,148	142,238	100.0	100.0
Retail Revenue (million dollars).....										
Residential.....	4,414	5,544	6,209	6,295	6,743	6,890	7,945	8,181	36.4	37.7
Commercial.....	4,911	6,290	7,827	7,681	9,372	9,654	11,031	11,793	40.5	54.3
Industrial.....	1,846	1,466	1,414	1,302	1,552	1,455	1,641	1,407	15.2	6.5
Other.....	947	1,135	1,201	1,177	NA	NA	NA	NA	7.8	NA
Transportation.....	NA	NA	NA	NA	252	210	324	335	NA	1.5
All Sectors.....	12,119	14,435	16,651	16,454	17,920	18,209	20,941	21,716	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	11.44	13.90	14.04	13.55	14.31	14.54	15.72	16.89	NA	NA
Commercial.....	10.47	11.92	12.87	12.33	12.93	12.98	14.36	15.51	NA	NA
Industrial.....	5.78	5.79	5.56	5.18	7.14	7.04	8.23	9.39	NA	NA
Other.....	7.96	9.07	8.77	8.68	NA	NA	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	9.38	7.92	11.39	11.94	NA	NA
All Sectors.....	9.37	11.06	11.55	11.16	12.44	12.55	13.95	15.27	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	
Number of Entities	8	49	NA	4	4	32	9	106
Number of Retail Customers	5,913,193	1,268,579	NA	17,511	1,872	642,226	NA	7,843,381
Retail Sales (thousand megawatthours)	63,062	23,003	NA	193	844	55,136	NA	142,238
Percentage of Retail Sales	44.34	16.17	NA	0.14	0.59	38.76	NA	100.00
Revenue from Retail Sales (million dollars)	10,044	3,793	NA	19	145	5,398	2,316	21,716
Percentage of Revenue	46.25	17.47	NA	0.09	0.67	24.86	10.67	100.00
Average Retail Price (cents/kWh)	15.93	16.49	NA	9.81	17.22	9.79	4.20	15.27

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
Supply								
Generation								
Electric Utilities	128,655	101,161	58,569	43,466	41,579	40,956	39,963	41,599
Independent Power Producers	2,433	3,142	62,191	76,297	77,979	81,182	90,252	86,965
Combined Heat and Power, Electric	1,262	23,754	20,401	17,189	15,615	13,744	14,475	11,624
Electric Power Sector Generation Subtotal	132,350	128,057	141,161	136,952	135,173	135,882	144,690	140,187
Combined Heat and Power, Commercial	178	1,085	621	567	551	614	672	727
Combined Heat and Power, Industrial	2,818	4,271	2,133	2,073	1,920	1,468	1,525	1,351
Industrial and Commercial Generation Subtotal	2,996	5,357	2,754	2,639	2,471	2,083	2,197	2,078
Total Net Generation	135,346	133,413	143,915	139,592	137,643	137,965	146,887	142,265
Total International Imports	3,802	9,002	11,845	14,075	9,995	9,458	10,717	12,495
Total Supply	139,148	142,415	155,760	153,667	147,638	147,423	157,605	154,761
Disposition								
Retail Sales								
Full Service Providers	129,324	130,471	125,595	123,932	100,096	95,980	93,237	86,258
Energy-Only Providers	-	-	18,586	23,508	43,657	48,731	56,673	55,136
Facility Direct Retail Sales	-	-	-	-	291	370	238	844
Total Electric Industry Retail Sales	129,324	130,471	144,181	147,440	144,045	145,082	150,148	142,238
Direct Use	2,739	3,911	4,075	4,164	4,217	4,221	3,803	1,718
Total International Exports	3,090	190	4,083	3,111	4,511	4,264	3,416	2,510
Estimated Losses	9,696	9,905	4,154	7,233	7,411	15,133	12,003	6,700
Total Disposition	144,850	144,476	156,493	161,948	160,183	168,700	169,369	153,166
Net Interstate Trade	-5,702	-2,061	-733	-8,281	-12,545	-21,278	-11,765	1,595
Net Trade Index (ratio)	0.96	0.99	1.00	0.95	0.92	0.87	0.93	1.01

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.