

This report is mandatory under the Federal Power Act, and is a regulatory support requirement as provided by 18 C.F.R. § 141.51. Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. Information reported on the FERC Form No. 714 is not considered confidential. Questions concerning this report will be answered by: Ms. Meesha M. Bond (202) 208-1414 or form714@ferc.fed.us.

This form consists of: Part I, Identification and Certification; Part II, comprising Schedules 1 through 6; Part III, comprising Schedules 1 and 2; and Part IV, Notes. All respondents are to complete Parts I and IV. Part II is to be completed by each electric utility or group of electric utilities that operates a control area. Part III is to be completed by each electric utility or group of electric utilities that constitute a planning area and has an annual peak demand that is greater than 200 MW. An electric utility is a corporation, person, agency, authority, or other legal entity or instrumentality that owns and/or operates facilities within the United States for the generation, transmission, distribution, or sale of electric energy primarily for use by the public.

Public reporting burden for this collection of information is estimated to average 50 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Federal Energy Regulatory Commission, Office of the Chief Information Officer, CI-1, 888 First Street, N.E., Washington, DC 20426; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503. You shall not be penalized for failure to respond to this collection of information unless the collection of information displays a valid OMB control number.

List of Schedules

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**Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2002**

Part I - Schedule I. Identification and Certification

1. Respondent Identification:

Code: Name: New York Independent System Operator, Inc.

2. Respondent Type: (Please check appropriate box and fill in name)

Part I: Control Area (Complete Parts I, II and IV)

Control Area Name: New York Control Area

Part II: Planning Area (Complete Parts I, III and IV)

Planning Area Name: New York Control Area

3. Respondent Mailing Address:

New York Independent System Operator
290 Washington Avenue Extension
Albany, NY 12203

4. Contact Person:

Name: John C. Cutting
Title: Senior Regulatory Affairs Analyst

Telephone #: (518) 356-7521 Ext.

5. Certifying Official:

Name: John Adams
Title: Director of Analysis and Planning

Signature: _____ Date: _____

Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2002

Please Type:
 Utility Code
 Utility Name

Part II - Schedule 1. Generating Plants Included in Reporting Control Area
 (Use continuation sheets if needed)

Under the name of its operating electric utility, list all generating plants (1) within the respondent's control area which are controlled, metered or for which the required information is otherwise available to control area operators and (2) dynamically scheduled plants or units outside the control area. Specifically identify dynamically scheduled plants. Report only plant totals with generators in an operating or standby status. Provide totals for columns (d) and (e) as a last line. The total in column (d) should equal the value in column (c) on Schedule 2 for the month of the annual peak demand. The total in column (e) should equal the value in column (f) on Schedule 3 for the month of the annual peak demand. Any differences must be explained in a note. For specific guidelines, please refer to the attached Schedule 1 Instructions on pages 14 and 15.

Line No. (a)	Electric Utility Name (b)	Plant Name (c)	Plant Available Capability at the Hour of the Annual Peak Demand Based on Net Energy for Load (MW) (d)	Integrated Net Load on the Plant at the Hour of the Annual Peak Demand Based on Net Energy for Load (MW) (e)
1.	Please see enclosed diskette for Part II Schedule I data			See Part II Schedule 3 Column (f) for totals.
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
		TOTAL		

**Annual Electric Control and Planning Area
 Report
 For the Year Ending December 31, 2002**

Please Type:
 Utility Code
 Utility Name

Part II - Schedule 2. Control Area Monthly Capabilities at Time of Monthly Peak Demand

The peak demand and other terms used in this schedule are defined in the attached instructions for Schedule 2, pages 15 through 18. Please first read the instructions, then complete this Schedule. The value in column (c) for the month of the annual peak demand should equal the total in column (d) in Schedule 1. Any difference must be explained in a note.

Line No. (a)	Month (b)	Net Capability at the Time of the Monthly Peak Demand, Based on Control Area Net Energy For Load (NEL)							
		Net Capability from Plants Reported on Schedule II					External to the Control Area Net Unit or Firm Capability (MW)		Total Capability (g + h + i) (MW) (j)
		Available Capability (MW) (c)	Unavailable Capability Due to:			Total (c + d + e + f) (MW) (g)	Available (MW) (h)	Not Available (MW) (i)	
			Planned Outage and Derating (MW) (d)	Unplanned Outage and Derating (MW) (e)	Other Outage and Derating* (MW) (f)				
1.	Jan	37038	4872	683	0	31483	0	0	31483
2.	Feb	37038	3958	1492	0	31588	0	0	31588
3.	Mar	37038	4685	390	0	31963	0	0	31963
4.	Apr	37038	7703	178	0	29137	0	0	29137
5.	May	37038	1779	46	0	35213	0	0	35213
6.	Jun	37038	691	1830	0	34517	0	0	34517
7.	Jul	37038	1231	46	0	35761	0	0	35761
8.	Aug	37038	314	926	0	35798	0	0	35798
9.	Sep	37038	1246	332	0	35460	0	0	35460
10.	Oct	37038	3520	473	0	33045	0	0	33045
11.	Nov	37038	6712	2758	0	27568	0	0	27568
12.	Dec	37038	2965	1499	0	32574	0	0	32574

* Reductions in capability due to fuel supply problems, environmental restrictions, lack of transmission availability at a generating plant, etc.

Part II - Schedule 3. Control Area Net Energy for Load and Peak Demand Sources by Month

Enter the monthly "Net Energy for Load" which is the amount of energy that the control area requires internally including control area losses. The total in column (d) should equal the difference in the totals for columns (e) and (f) on Schedule 5. The value in column (f) for the month of the annual peak demand should equal the total in column (e) in Schedule 1. Any differences must be explained in a note. For detailed instructions and definitions, please refer to attached Schedule 3 Instructions on pages 19 and 20.

Line No.	Month	Control Area Net Generation (MWh)	Net Actual Interchange (MWh)	Net Energy for Load (MWh) (c + d)	Control Area Load Sources at Time of Control Area Monthly Peak Demand, Based on Net Energy For Load (NEL)					Monthly Minimum Demand (MW)
					Output of Generating Plants (MW)	Unit or Firm Purchases (MW)	Unit or Firm Sales (MW)	Net Non-Firm & Inadvertent (MW)	Monthly Peak Demand (MW) (f+g-h+i)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1.	January	13,250,000	987,615	14,237,615	21,011	2211	268	156	22,798	12,887
2.	February	11,695,545	619,476	12,315,021	21,621	1726	1072	-9	22,284	12,721
3.	March	12,504,000	758,657	13,262,657	22,467	844	1586	146	21,579	11,879
4.	April	11,924,000	1,140,990	13,064,990	25,214	2195	3793	-97	23,713	11,705
5.	May	12,029,058	572,742	12,601,800	23,725	850	1835	19	22,721	11,444
6.	June	13,458,000	474,490	13,932,490	30,958	758	2791	5	28,920	11,694
7.	July	15,900,815	621,496	16,522,311	30,557	1804	2035	-338	30,664	13,561
8.	August	15,848,000	644,345	16,492,345	30,507	2000	1946	-35	30,596	13,244
9.	September	13,324,000	953,102	14,277,102	27,660	1556	2195	67	26,954	12,234
10.	October	12,765,000	1,538,066	14,303,066	24,486	1439	2109	-104	23,920	12,258
11.	November	12,385,000	1,917,172	14,302,172	25,570	861	4360	138	21,933	12,196
12.	December	13,660,000	1,958,429	15,618,429	25,623	644	2227	97	23,943	13,524
		158,743,418								

13.	Total		12,186,580	170,929,998	
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**Annual Electric Control and Planning Area Report
 For the Year Ending December 31, 2002**

Please Type:
 Utility Code
 Utility Name

Part II - Schedule 4. Adjacent Control Area Interconnections

Identify on this schedule: each adjacent control area with which the respondent control area is interconnected in column (b), all the interconnection line or bus names with the adjacent control area in column (c), and the line or bus voltage in column (d). See Schedule 4 Instructions on pages 20 and 21.

Line No. (a)	Name of Adjacent Control Area (b)	Control Area Interconnection Line or Bus Names (c)	Line or Bus Voltage (kV) (d)
1.	Hydro Quebec	Chateauqay - Massena Line 7040	765 kV
2.	ISO-NE	Rotterdam - Bear Swamp Line E205W	230 kV
3.	ISO-NE	Alps - Berkshire Line 393	345 kV
4.	ISO-NE	Whitehall - Blissville Line 7	115 kV
5.	ISO-NE	Hoosick - Bennington Line K6	115 kV
6.	ISO-NE	Plattsburgh - Grand Island Line PV20	115 kV
7.	ISO-NE	Pleasant Valley - Long Mountain Line 398	345 kV
8.	ISO-NE	Northport - Norwalk Harbor Line 1385	138 kV
9.	ISO-NE	Falls Village - Smithfield Line 690	69 kV

10.	Ontario IMO	Niagara - Beck Line PA301	345 kV
11.	Ontario IMO	Niagara - Beck Line PA302	345 kV
12.	Ontario IMO	Niagara - Beck Line PA27	230 kV
13.	Ontario IMO	Swan Road - Beck Line 104-1	115 kV
14.	Ontario IMO	Packard - Beck Line BP76	230 kV
	Ontario IMO	Harper - Beck 25 Hz Line 105	115 kV
	Ontario IMO	Harper - Beck 25 Hz Line 106	115 kV
	Ontario IMO	Moses - St. Lawrence Line L33P	230 kV
	Ontario IMO	Moses - St. Lawrence Line L34P	230 kV
	PJM	Ramapo - Branchburg Line 5018	500 kV
	PJM	West Nyack - Closter Line 751	69 kV
	PJM	North Waverly - East Sayre Line 956	115 kV
	PJM	Hillside - East Towanda Line 70	230 kV
	PJM	South Ripley - Erie South	

		Line 69	230 kV
	PJM	Sugarloaf - Franklin Line D	115 kV
	PJM	Sugarloaf - Franklin Line J	115 kV
	PJM	Stolle Road – Homer City Line 37	345 kV
	PJM	Watercure – Homer City Line 30	345 kV
	PJM	Farragut - Hudson Line C3403	345 kV
	PJM	Farragut – Hudson Line B3402	345 kV
	PJM	Pearl River – Harings Corner Line 45	34.5 kV
	PJM	West Nyack – Harings Corner Line 701	69 kV
	PJM	Burns – Harings Corner Line 702	138 kV
	PJM	Goudey – Laurel Lake Line 952	115 kV
	PJM	Goethals - Linden Line A2253	230 kV
	PJM	Blue Hill – Montvale Line 43	69 kV
	PJM	Blue Hill – Montvale	

		Line 44	69 kV
	PJM	Pearl River – Montvale Line 491	69 kV
	PJM	Hillburn – South Mahwah Line 65	69 kV
	PJM	South Mahwah – South Mahwah BK 258	345/138 kV
	PJM	Ramapo – South Mahwah Line 51	138 kV
	PJM	South Mahwah – Waldwick Line J3410	345 kV
	PJM	South Mahwah – Waldwick Line K3411	345 kV
	PJM	Falconer – Warren Line 171	115 kV

Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2002

Please Type:
 Utility Code
 Utility Name

Part II - Schedule 5.
Control Area Scheduled and Actual Interchange

Identify on this schedule: each control area with which the respondent control area has actual or scheduled interchange of energy, in column (b); the total annual megawatthours (MWh) of the scheduled interchange that were received by the respondent control area through all interconnection points with each control area, in column (c); the MWh of scheduled interchange delivered to each control area, in column (d); the MWh of total annual actual interchange received and delivered within each adjacent control area, in columns (e) and (f). Provide totals for columns (c), (d), (e) and (f). The difference in the totals for columns (e) and (f) should equal the total in column (d) on Schedule 3. Any difference must be explained in a note. See Schedule 5 Instructions on page 21.

Line No.	Name of Control Area	Scheduled Interchange Between Control Areas		Actual Interchange Between Adjacent Control Areas	
		(MWh)		(MWh)	
(a)	(b)	Received (c)	Delivered (d)	Received (e)	Delivered (f)
1.	IMO_ONTARIO HYDRO	2,212,712		52,783	
2.	PJM INTERCONNECTION	10,028,971		11,730,488	
3.	ISO_NEW ENGLAND	451,730		403,309	
4.	HYDRO QUEBEC	3,988,626	-743,218	NO ACTUALS	NO ACTUALS
5.					
6.					
7.					
8.					
9.					
10.	TOTAL	16,682,039	-743,218	12,186,580	

**Annual Control Area and Electric System Report
For the Year Ending December 31, 2002**

Please Type:
Utility Code
Utility Name

Part II - Schedule 6. Control Area System Lambda Data

Submit on a 3.5 inch diskette formatted for the DOS operating system the following data file in ASCII format: the control area's system lambda for each hour of the year starting with 1 a.m., January 1, 1999.

Identify clearly the time zone in which this time series is made. The file should have 8760 records (8784 for leap years). Each record is to contain the system lambda value at the clock hour in dollars per megawatthour (mills per kilowatthour) or an "NA" for those hours when system lambda was not calculated.

Control Area Hourly System Lambda. For control areas where demand following is primarily performed by thermal generating units, the system lambda is derived from the economic dispatch function associated with automatic generation control performed at the controlling utility or pool control center. Excluding transmission losses, the fuel cost (\$/hr) for a set of on-line and loaded thermal generating units (steam and gas turbines) is minimum¹ when each unit is loaded and operating at the same incremental fuel cost (\$/MWh)² with the sum of the unit loadings (MW) equal to the system demand plus the net of interchange with other control areas. This single incremental cost of energy is the system lambda. System lambdas are likely recalculated many times in one clock hour. However, the indicated system lambda occurring on each clock hour would be sufficient for reporting purposes.

Provide, as a note in Part IV, an explanation describing the reason for the unavailability of system lambda information and a definite plan for reporting the information with a target date. The Commission expects that all Energy Management Systems, with proper instructions, can record the system lambda being used for economic dispatch of the control area's thermal units.

Respondents should be able to report system lambda, along with the other information reported on a control area basis, that describe the operation of such areas from information that should be readily available. The Commission is not requesting Respondents to develop incremental or marginal cost (either short or long term) according to any formula. Nor is the Commission requesting "avoided cost rates" that, pursuant to PURPA 210, electric utilities file with state commissions or otherwise make available for prospective qualified facilities.

Description of Economic Dispatch. Also, provide in writing a detailed description of how Respondent calculates system lambda. For those systems that do not use an economic dispatch algorithm and do not have a system lambda, provide in writing a detailed description of how control area resources are efficiently dispatched.

¹ Some utilities may also include variable operation and maintenance costs that they consider "dispatchable." Therefore the costs to be minimized could include a variable O&M component as well as the fuel costs.

² Because unit heat rates and fuel costs vary, some units may not be able to operate at the same incremental fuel cost as the other units and, thus, those units may be loaded differently.

**Annual Electric Control and Planning Area Report
 For the Year Ending December 31, 2002**

Please Type:
 Utility Code
 Utility Name

Part III - Schedule 1. Electric Utilities That Compose the Planning Area
 (Use continuation sheets if needed)

Enter the name of each entity, including the respondent, that forms the planning area for which this report is being prepared and their coincident summer and winter peak demands in megawatts. Please refer to Instructions on pages 23 and 24 .

Line No. (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW)	
		Summer (c)	Winter (d)
1.	Central Hudson Gas & Electric Corporation	1128	885
2.	Consolidated Edison Corporation of New York	11864	8217
3.	Long Island Power Authority	5045	3343
4.	New York Power Authority	582	639
5.	New York Power State Electric & Gas Corporation	2801	2740
6.	Niagara Mohawk Power Corporation	6708	6078
7.	Orange and Rockland Utilities Inc	934	623
8.	Rochester Gas & Electric Corporation	1539	1195
9.			
10.			
11.			

**Part III - Schedule 2.
Planning Area Hourly Demand and Forecast Summer and Winter Peak Demand and Annual Net Energy for Load**

PLANNING AREA HOURLY DEMAND

- (1) Respondents must submit hourly demand data in electronic form to the Commission. Additionally, Respondents that participate in a national, regional or subregional process for consolidating and ensuring the consistency and accuracy of actual hourly and forecast demand information, may instead authorize the national, regional or subregional organization to release that information to the Commission, and to the public at the cost of reproduction, in an easily accessible electronic format, such as the EEI format.
- (2) If the Respondent does not participate in the development of national, regional or subregional actual and forecast demand information, it must submit its own, equivalent, demand information directly to the Commission along with this report, as follows.

Respondents must submit on a 3.5 inch diskette formatted for the DOS operating system the following data file in ASCII format: the planning area's actual hourly demand, in megawatts, for each hour of the year starting with 1 a.m, January 1, 1999. Indicate the time zone and the period for which daylight savings time was used. The file should have 8760 records (8784 for leap years). For hours when this information is not available, enter "NA."

PLANNING AREA FORECAST SUMMER AND WINTER PEAK DEMAND

Provide on the diskette a file containing the planning area's forecast summer and winter peak demand, in megawatts, and annual net energy for load, in megawatt hours, for the next ten years.

Annual Electric Control and Planning Area Report
For the Year Ending December 31, 2002

Please Type:
Utility Code
Utility Name

Part IV.
Notes

Indicate a note by placing an asterisk (*) next to the entry on Schedules 1 through 6 of Part II and Schedules 1 and 2 of Part III, and then provide the note below. For each note, enter the page number in Column (a), the line number in Column (b), the column letter in Column (c), and the Note in Column (d). Use more than one line if needed.

Page No. (a)	Line No. (b)	Column Letter (c)	Notes (d)

