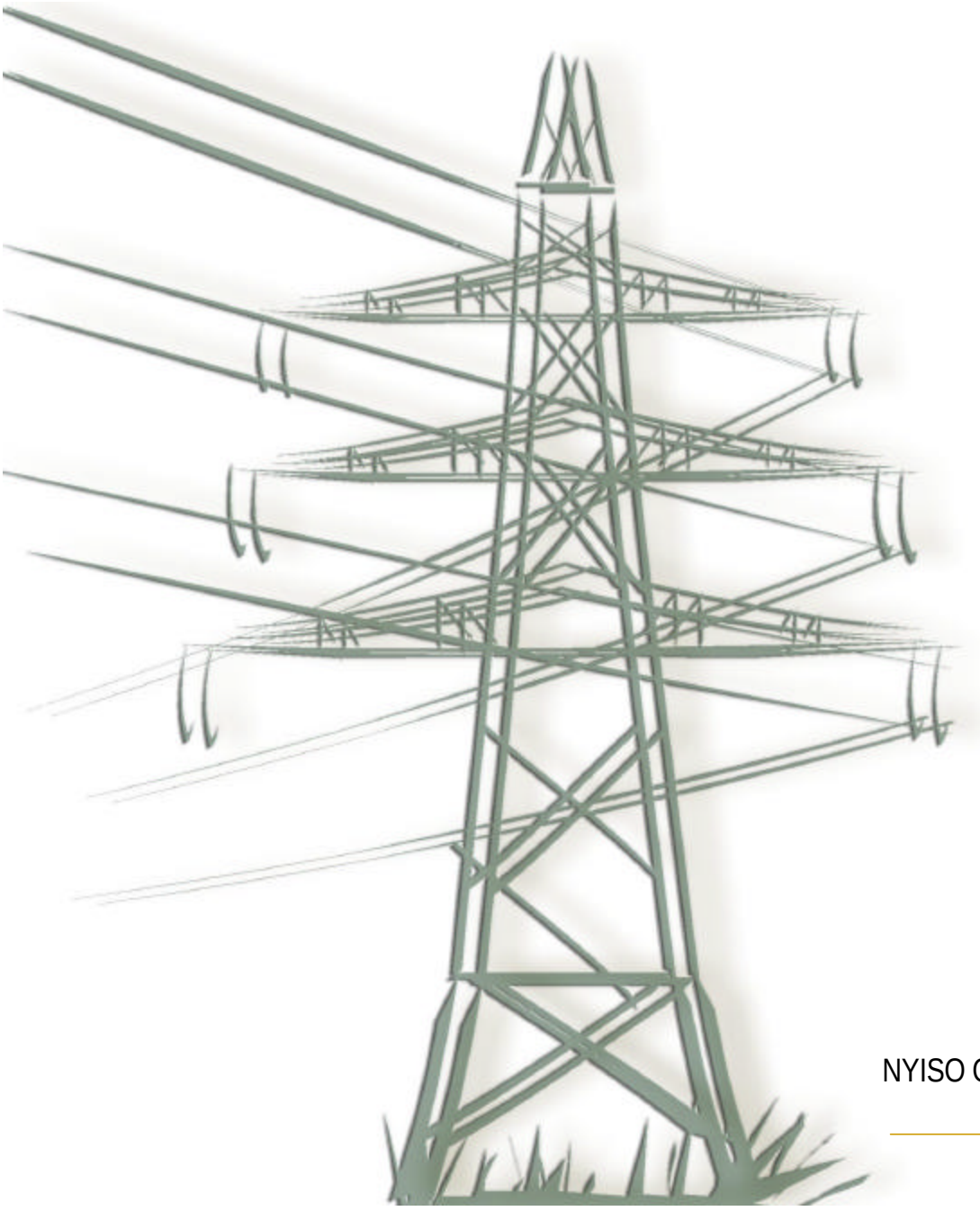
2004 TRANSMISSION PERFORMANCE REPORT



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prepared by

NYISO Operations Engineering

Introduction

This report summarizes NYISO transmission utilization during 2004 and compares this with transmission use in 2001, 2002 and 2003. Data is presented in a general format using histograms, cumulative distribution plots, and box plots. Included are graphical depictions of power flows on:

- NYISO interfaces and OASIS Transmission paths, including all operating interfaces and selected planning interfaces.
- Selected individual transmission lines
- Energy schedules with external pools.

There are also sections on power transfer margins, On-Peak vs. Off-Peak flow, and simultaneously constraining interfaces. The power transfer margins show the difference between the active real time power transfer limit and the actual power flow on the interface.

The analysis of simultaneously constraining interfaces tallies the number of hours two or more interfaces were within 100 MW of their respective operating limits. These analyses are included only for NY operating interfaces.

The analysis is based on NY historical real time data sampled in 5-minute (nominal) intervals. The power flow values in each of the charts are hourly averages of the scan data. The data is presented in three graphical formats; histograms (frequency bar charts), flow duration curves, and box plots (showing monthly average flows through time).

Since 2002, the analysis of has been performed; the data is presented in two graphical formats, histograms (frequency bar charts) and flow duration curves.

The flow data on Open Access Same Time Information System (OASIS) transmission paths are presented in this report for informational purposes only.

Discussion

***EXTERNAL*:**

Schedule and actual power flows between NYISO and external systems vary significantly.

New York Import/Export:

In last 4 years, New York Export is in the range of -700 MW to 4700 MW, and the monthly averages were less than zero. The 2004 duration curve during On-Peak hours was higher than during Off-Peak hours in both magnitude and duration.

The maximum NY import was 4631 MW in October 2004, lower than in July 2003, 4688 MW and higher than 3997 MW in December 2002, and 3351 MW in December 2001. The imports over 4000 MW were higher than in last 3 years. In 2001-2004, the maximum monthly average import was occurred in October 2004, about 2600 MW.

NY exported about 2% of the time in 2004 and 2001, and about 1% of the time in 2002 and 2003; During On-Peak hours was about 3% of the time, 2% in 2003 and 2002; During Off-Peak hours about 1% in 2002-2004. The maximum export was 1408 MW in January 2004; compare to 1572 MW in June 2001, 1103 MW in August 2002, and 875 MW in February 2003.

PJM - New York:

In 2004, Schedule and Actual PJM - New York duration curves were lower than in 2003. During the last 3 years, the On-Peak duration curves were lower than the Off-Peak. In 2001-2004, the monthly averages were greater than zero, in the range of 400 MW to 2600 MW.

PJM-NY Schedule:

*The NY scheduled impor*t from PJM was about 84% of the time in 2004, lower in last 3 years; 96% in 2003, 87% in 2002, and 88% in 2001. During On-Peak hours about 76% in 2004, 93% in 2003, 77% in 2002 and during Off-Peak hours was 97% of the time, the same as in 2003, 2002. The maximum scheduled import was about the same as last 3 years; were 2768 MW in 2004, 2779 MW in 2001, 2692 MW in 2002, and 2788 MW in 2003.

The maximum scheduled NY export to PJM was higher than last 3 years, about 2953 MW in July2004; 1197 MW in July 2003, 2454 MW in June 2002, and 2415 MW June 2001.

PJM-NY Actual:

The actually NY imports from PJM lower than last year, and higher than 2001 and 2002; about 98% of the time in 2004, 99% in 2003, 92% in 2002, and 95% in 2001; during the On-Peak about 96% of the time, and 99% during the Off-Peak hours. The maximum actual imports from PJM were about the same as last 2002 and 2003, and higher than in 2001; were 3180 MW in 2004, 3208 MW in 2003, 3192 MW in 2002, and 2880 MW in 2001.

The maximum NY actual exports to PJM occurred between the summers in the last 4 years, during the On-Peak hours. The maximum actually export to PJM was 1649 MW in May 2004, 752 MW in August 2003, 1921 MW in June 2002, and 1817 MW in June 2001; higher than in last summer, and lower than in summer 2002 and 2001.

The PJM East - Capital Mid Hudson, PJM West – Frontier, and PJM West - Central duration curves for 2004 were lower than 2003.

PJM East exported 100% of the time to New York City, and about 55% of the time to Capital Mid Hudson. *PJM West* exported 98% to Central, and 85% to Frontier.

The maximum *PJM East* imported from Capital Mid Hudson was 1302 MW during the On-Peak hours in August 2003, lower than in last 3 years. In May 2004, *PJM West* imported 665 MW from Frontier, and 347 MW from Central, were the highest imports in last 3 years.

Ontario - New York:

The Ontario- New York schedule and actual duration curves for 2004 were higher than last 3 years, and the Off-Peak hours curves were higher than the On-Peak.

Ontario-NY Schedule:

Scheduled NY import from IMO (IESO) was higher than last 3 years; maximum import was 2390 MW in July 2004, 2002 MW in May 2003, 2058 MW in April 2002, and 1572 MW in May 2001. In summer 2004, the average monthly import was up to about 1300 MW in July; compared to 700 MW in 2003, 600 MW in 2002 and 300 MW in 2002.

Scheduled NY exports to IMO (IESO) about 12% of time in 2004, 14% in 2001, and 25% in 2002 and 2003, lower than in last 3 years. During the On-Peak hours about 15% of the time, 16% in the Off-Peak hours, compare to 40% and 16% in 2003, 35% and 15% in 2002. In January 2004, NY scheduled export reached to 1850 MW, occurred during the On-Peak hours, compare to 2002 MW in May 2003, 2058 MW in April 2002, and 1572 MW in May 2001; was higher than in 2001, lower than in 2002 and 2003.

Ontario-NY Actual:

Actual NY import from IMO(IESO) in 2004 was higher than in last 3 years in both magnitude and duration, about 67% of the time; 52% during the On-Peak hours about, and 8% during the Off-Peak hours; compare to 24% and 77% in 2003, 22% and 82% in 2002. The maximum actual import was 1724MW, occurred during the Off-Peak hours; higher than last 3 years, 1643 MW in July 2003, 1660 MW December 2002, and 1491 MW in May 2001. The average monthly imports were increase from March to August, reached up to about 600 MW, higher than in last 3 years.

Actual NY export to IMO(IESO) was maximum in October 2004, 1667 MW; lower than in the last 3 years, 1862 MW in February 2003, and 1938 MW in July 2002 and 1929 MW in July2001, occurred during the On-Peak hours.

Ontario East - Adirondack, and Ontario South - Frontier flow duration curves were higher than last 3 years. *Ontario East* exported 57% of the time to *Adirondack,* and *Ontario South* exported 70% of the time to *Frontier*.

New England - New York:

In the last 4 years, the Schedule and Actual NE - New York was very similar in histograms, flow duration curves, and box plots. In 2004, the monthly average, and the maximum Schedule and Actual import/ export were lower than in last year.

New England - New York Schedule:

NY scheduled import from NE was lower than 2002 and 2003, higher than 2001; was about 35% of the time in 2004, 42% in 2003, 48% in 2002, and 15% in 2001. During the On-Peak hours was about 45% of time and about 20% during the Off-Peak hours. The maximum

NY scheduled imports was 1210 MW in 2004, much higher than in 2001, lower than in 2003 and about the same in 2002; 1523MW in 2003, 1257 MW in 2002, and 721 MW in 2001.

The maximum NY scheduled export was 1046 MW in 2004, lower than in the last 3 years, 1505MW in 2003, 1100 MW in 2002, 1925MW in 2001.

New England - New York Actual:

NY actual import from NE was 33% of the time. NY actual imported over 900 MW was .95%, less than 1%. In 2004, the maximum NY actual import was 1142 MW, occurred in both during the On-Peak and Off-Peak hours, compare to 1547MW in 2003, 1276 MW in 2002 and 695 MW in 2001.

NY actual exports to NE in 2004 was lower than in 2002 and 2003, higher than in 2001; about 67% of time, 45%during the On-Peak and about 20% of the time during the Off-Peak; compare to 52% and 28% of the time in 2003. The maximum export was 1138 MW; compare to1486 MW in March 2003, 1095 MW in September 2002, and 1795 MW in January 2001.

The NE/Vermont North- Adirondack (PV-20 Grand Isle-Plattsburgh) box plots were lower in magnitude during August to December 2004.

T*he New England/NU – Long Island (1385 Northport- Norwalk Harbor)* flow drop down to 423MW in September 2004.

Capital Mid Hudson imported about 55% of the time from New England/NU South (398 Long Mountain- Pleasant Valley), and about 50% of the time from New England/Vt/NE/NU South.

TE - New York:

The schedule and actual TE - New York flows during 2001-2004 looked similar in histograms, flow duration curves, and box plots. Percent of the time import and export were about equal in 2004, about 70% during the On-Peak and 30% during the Off-Peak hours. The maximum schedule and actual NY import and export were about the same in last 4 years, maximum import was 1500 MW, maximum export was 1000 MW, occurred in both during the On-Peak and Off-Peak hours.

NY has the percent of the time and maximum monthly average scheduled imports from TE lower than in last 3 years, about 1500 MW occurred during the On-Peak and Off-Peak hours in the summer 2004.

The maximum monthly average export to TE was higher than in last 3 years, about 500 MW occurred in May 2004, 400 MW in 2003, 2002 and 300MW in 2001.

INTERNAL

Average transmission utilization on most internal NYISO operating interfaces in 2004 was similar to levels observed in last 3 years.

The Central East, Total East, Moses South duration curves in 2004 were similar to levels observed in last year.

Central East: Central East flow over 2700 MW occurred only one time in 2004, reached to 2747 MW during the On-Peak hour in August, lower than in the last 3 years; 2875 MW in 2001, 2880 MW in 2002 and 2865 MW in 2003.

The Central –Capital/Mid Hudson flow over 4650 MW occurred only one time, 4659 MW during the On-Peak hour in July. The minimum flow dropped down to 439 MW during the On-Peak hour on July 2004, lower than in 2001-2003.

*Total East: I*n 2004, Total East flow was lower than in the last 3 years, the flows over 5850 occurred only one time, reached to 5887 MW during the On-Peak hours, on October. In the 2001-2003, the maximum flows were above 6000MW.

Moses South (Adirondack-Central Transmission): The flow duration curve was higher than in last year in both magnitude and duration. From August the average monthly flows were decrease in each month, from about 1100 MW in August to 500MW in December.

The Dysinger East, West Central flows duration curves were higher to levels observed in last 3 years in duration, and the maximum flows were very close in last 3 years.

The *Dysinger East* flows were above 2700 MW occurred during the On-Peak and Off-Peak hours. The minimum flow was 428 MW occurred during the Off-Peak hour.

The *West Central* curves for the On-Peak and Off-Peak hours were similar, maximum flow was about 2200 MW occurred both during the On-Peak and Off-Peak hours, and minimum flow was -34 MW occurred during the On-Peak hours.

UPNY-Con Edison, and Sprain Brook- Dunwoodie South flows were lower than in last year in magnitude, duration and average monthly.

The UPNY-Con Edison flows within the range of 4000 MW to 4800 MW occurred only 5 times, the maximum flow reached to 4447 MW in September during the On-Peak hours; compared with the highest flow was 4943 MW occurred during the On-Peak hours in August 2003. The maximum average monthly was about 2600 MW in July, lower than last 3 years, above 3000MW.

Sprain Brook- Dunwoodie South: The maximum flow reached to 3836 MW occurred during the On-Peak hour in July 2004, and the minimum flow dropped down to 974 MW during the Off-Peak hour. In 2002-2004, the average monthly flows were within the range of 2000 MW to 3000 MW.

Lipa Import, and Con Edison - Lipa: The duration curves were higher than in last 3 years. In 2004, Lipa imported almost of the time, the maximum import occurred in July, was about 1100 MW, about the same as in last 3 years, and exports occurred only in October, less than 5 times, the maximum export was 300 MW during the Off-Peak hour.

Westchester – Long Island (Y49+Y50): The duration curve and the minimum average monthly were higher than in last 3 years. The curves for the On-Peak and Off-Peak hours were similar. In October 2004, the flow was down to –189 MW, and the average monthly about 750 MW, very low to compare to the flows in the other months of the year.

New York City - Long Island (901+903): Since summer 2002, the average monthly flows were within the range of -150 MW to -250 MW.

New York City exported to Long Island was less than 2 % of the time in 2004, lower than in 2001, 2002 and higher than in 2003,the maximum export occurred in October, was about 80 MW, about the same as in last 3 years.

New York City imported from Long Island reached to 398 MW during the On-Peak hour in April 2004, higher than last 4 years.

Homer City – Watercure: The duration curve was lower than in last year in both magnitude and duration. The maximum and the minimum flows were very similar in last 3 years.

Branchburg – Ramapo: The duration curve was similar in last 3 years. The maximum and the minimum flows lower than in last 3 years, the interface flow dropped down to -169 MW during the On-Peak hour in August, compare to –384 MW in 2003, and –700 MW in 2002, 2001.

West NY Generation Export: The duration curve was higher than in last year, exported about 99% of the time, the average monthly flows were within the range of 1100 MW to 1800 MW. The maximum import was 544 MW in October, the same in 2002, lower than in 2001 and 2003; about 1100 MW in 2001, 544 MW in 2002, and 750 MW in 2003. The maximum exports were 2700MW in 2004, 2400MW in 2003, 2600MW in 2002 and 2001.

Con Ed/PSEG PAR (JK/ABC) Imbalance: The plots are similar to last 3 years, and the curves for the On-Peak hours were lower than Off-Peak. The maximum Con Ed to PSEG was1424 MW during the Off-Peak hour in May, much higher than last 3 years, about 900 MW in 2001, 1100 MW in 2002, and 1000 MW in 2003. The minimum was 1017 MW in August, higher than last 3 years, about 900 MW in 2001-2003 during the On-Peak hour.

MARGIN TO LIMIT

The margin to Total East Limit and to Central East Limit plots are similar to last 3 years.

Total East Limit reached to 5376 MW in March 2004, during the On-Peak hour, compare to 5614 MW in 2003, 4674 MW in 2002 and 4357 MW in 2001. The above limit of 4400 MW was less than 1%.

The maximum Central East Stability Limit was 2216 MW, about the same as in last 3 years, 1999 MW in 2003, 2058 MW in 2002 and 2112 MW in 2001, and above limit of 1900 MW was less than half of percent.

The margin to West Central East Limit and to Dysinger East Limit duration curves were lower than in last 3 years.

The margin to West Central East Limit reached to 2231 MW, about the same as in 2001-2003, the above limit of 2100 MW was lower than last 3 years, .14% in 2004, and about 1.5 % in 2001-2003.

The maximum margin to Dysinger Limit was 2333 MW, lower than last 3 years, and above limit of 2100 MW was .02%.

The margin to Moses South Limit was 2795 MW, about the same as in 2001-2003. In last 3 years, the margins to Moses South were not less than zero, but dropped down to –72 MW in October 2004.

The margin to TE-NY Limit plots were lower than in 2001-2003, the maximum was1625 MW, very close to last 3 years, and the minimum limits were and –1122 MW, compare to -870 MW in 2003, and about -250 MW in 2001-2002.

The margin to Ontario-NY Limit duration curve was lower than in 2001-2003. In 2003 and 2004, the maximum limit was 2400 MW, about 2550 MW in 2001, and 2441 MW in 2002. The maximum margin Limit to NY- Ontario was 2400 MW, the same as in last 4 years.

The margin to PJM-NY and to NY- PJM Limit was 3500 MW, about the same in maximum limits in last 4 years. The margin to PJM-NY Limit above 3450 MW was .31% in 2004, compare to .16% in 2003, 1.03% in 2002 and .92% in 2001.

The margin to NE-NY Limit was 1600 MW, about the same in maximum limits in 2001-2004. The margin to NY- NE Limit was below 2200 MW in 2001, 2003, and 2004. The margin to NY- NE Limit just one time reached to 2206 MW, in June 2004.

The table below compares minimum flows that occurred 75% of the time (above the lower quartile) and the percent of time the respective flows were within 200 MW of their active limits.

Year	Central East		Total East	
	Flow >75% of the time	% Of the time within 200 MW of limit	Flow >75% of the time	% Of the time within 200 MW of limit
2004	1508MW	3%	3347MW	0%
2003	1483MW	2%	3359MW	<1%
2002	1540MW	12%	3486MW	<1%
2001	1827MW	18%	3795MW	<1%

Presentation of Results

The three graphical formats, histograms, flow duration curves, and box plots, present the data in different ways to show statistical distribution and comparisons of flows from year to year. The following describes each of the graphical formats. An explanation of the transfer margin calculation is also included.

Histograms

These show the statistical distribution of flows over the observed operating range for the year. The data is presented for the current year (2004). The values along the ordinate are midpoints of a preselected range. For example, two consecutive midpoints of 300 and 600 represent all the flows with values of 300 MW ±150 and 600 MW ±150. The length of the bars represents the frequency, or the number of times a flow is within the range around the midpoint.

In the case of unrestricted operation on a facility there would be a random distribution of flows leading to a statistically normal distribution. In practical cases the distribution is skewed in one direction or there may be certain ranges that have "spikes". The flows may skew towards a certain level for several reasons: an economic optimum may exist for a while that inclines the flow to a certain value, an interface or facility may be operating at or near its limit or a nearby facility may be limited and consequently limits the facility in question.

An example of spikes in the histogram is a transmission line out of service. The line may have a normal distribution of flows from 200 to 600 MW and a large spike at zero representing the time the facility was out of service. Unfortunately the raw data does not distinguish between O/S conditions or actual zero flow, although the latter is fairly uncommon for most facilities.

Flow Duration Curves

In a continuous monotonically decreasing curve, this shows the percentage of time a facility or interface was operating at or above a certain value in its observed operating range. The graphs include the current year, 2004, and the previous three years (2001, 2002 and 2003). Overlaying the curves for each year gives a visual comparison on how the utilization of the particular facility is changing.

Box Plots

Box and whisker plots give a through time graphic view of statistical distributions of data at each discrete time or time period. The plots in this report include four years of data, the current year (2004) and the previous three years (2001-2003). The time axis (abscissa) represents each month during the four-year analysis period. The boxes and whiskers represent all the flows observed during a month.

The green horizontal line on the plots in this report connects the monthly average (MW flow) values. The "box" represents the inter-quartile range, in which 50% of the data values lie.

The bar in the middle of the box is the (statistical) median. The median cuts the box into two parts; each contains 25% of the data values. The long green vertical lines extending from the boxes, whiskers, represent the higher and lower 25% (quartiles) of the data values. These whiskers extend to the absolute minimum and maximum value observed in the respective time period (1 month in this case). The tick marks on the whiskers are place at distance not exceeding 1.5 times the length of the box (inter-quartile range), from each edge of the box. This highlights extreme minimums and maximums that may have occurred and separates the extremes from the rest of the data values.

Transfer Margins

A supplementary section is included showing transfer margins on NYPP operating interfaces. The transfer margin is the MW transfer capability remaining from the instantaneous flow to the active transfer limit. These values are calculating by taking the active directional transfer limit and subtracting the real time flow at each (5 minute) scan.

$$\text{Transfer Margin} = \text{Transfer Limit}_{\text{directional}} - \text{ABS (Actual Flow)}$$

The transfer margin is generally a positive number. A negative number would represent flow exceeding the transfer limit. The plotted values are the hourly averages of the calculated differences. The transfer margins are presented in the same format as the flows and schedules (i.e., histograms, duration curves, and box plots).

It is important to keep in mind that the bars on the histograms represent the frequency of occurrence in a range around the midpoint. Using the Total East margin as an example, the histogram 2004 has midpoints at 600 MW and 1000 MW. The bar at 1000 MW means that Total East was operating within 400 MW of its active limit 2.15% of the time during 2004. The bar at 2200 means that Total East was operating within 400 MW of its active limit 18.71% of the time, at levels potentially up to 2400 MW limit 43.35% during 2004. Except in the case of unusually high overloads on an interface (i.e., spikes, contingencies), the margins are generally zero or greater.

The Central East pre-contingency transfer margin is calculated by taking the minimum margin, or difference, of the three pre-contingency voltage collapse limits and their respectively calculated pre-contingency flows.

Interfaces Simultaneously Constraining Transfers

The table in Appendix D summarizes the combinations of interfaces as they were simultaneously constraining during 2001, 2002, 2003 and 2004. Interfaces were considered constraining if the actual flow was within 100 MW of the respective interface's limit. This limit was the active transfer limit in the real-time system at the time of the sampling.

The results are summarized as hourly values derived from 5-minute real time samples. In the four year time period sampled, there were 87 unique combinations of NY operating interfaces that were constraining at various times. These combinations range from two to five

interfaces at a time. Some of the combinations are recurring over each of the years, others occurred in only one year. Several combinations occurred only once.

For the circumstances analyzed, two or more interfaces were constraining from 9% to 14% of the time in a given year between 2001 and 2004. The Central East/Central East net PC appeared 2% to 11% of the time. Most of the rest of the simultaneous constraints occurred 5% of the time or less. This indicates the total percentage is an accumulation of many combinations, that may occur for a variety of reasons, rather than a few that may occur for some common phenomenon. Central East and Total East are closely related. If this combination is removed, the percentages are still significant. During the 2002-2004, the Central East/Total East combination was not constraining, the annual totals with and without the Total East/Central East combination are the same 11% in 2004, 17% in 2003, and 9% in 2002. The annual totals with and without the Total East/Central East combination are summarized in the table below.

Year	All Combinations		Central East/Total East Excluded	
	Hours	Percent of Year	Hours	Percent of Year
2001	1252	14.0%	1243	14.0%
2002	819	9.0%	819	9.0%
2003	1462	17.0%	1462	17.0%
2004	991	11.0%	991	11.0%

Further restrictions are also likely by virtue of individual line constraints. The analysis presented here only used interface flow related data. Interfaces or Transmission Paths (to use the new terminology) are often implicitly limited by a single element for some contingency (e.g., the loss of one Leeds-Pleasant Valley 345 kV circuit on the parallel Leeds-Pleasant Valley 345 kV circuit). This contingency implicitly limits both Central East and UPNY-Con Ed. This is not reflected as an explicit interface limit and outside the context of this analysis. The overall trend from 2001 to 2004 is decreased simultaneous interface limits.

Appendix A – Power Flows

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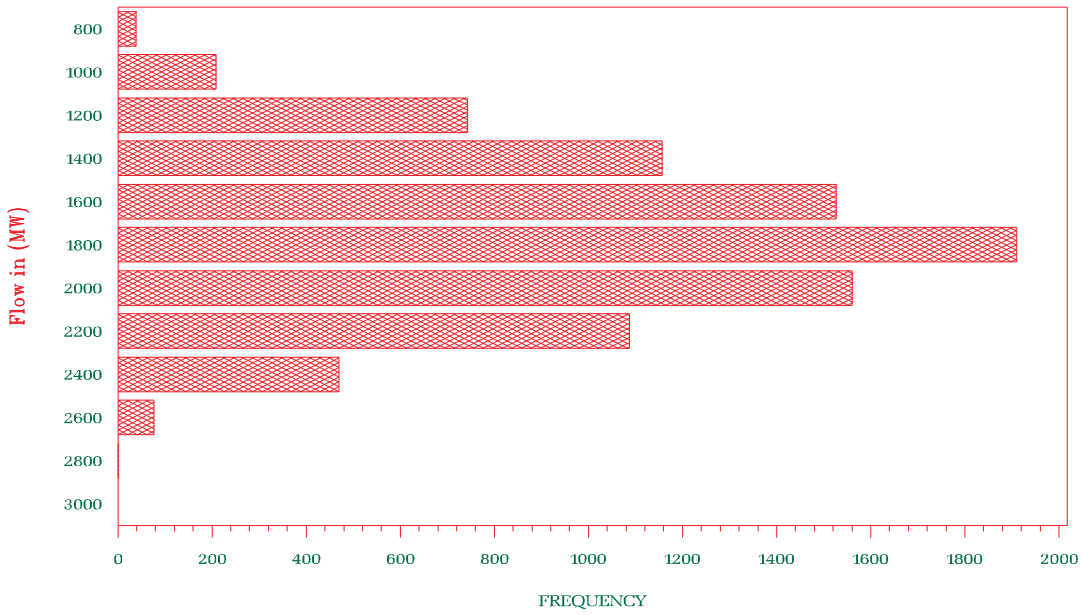
NYISO Frequency Interface Flow For January – December 2004

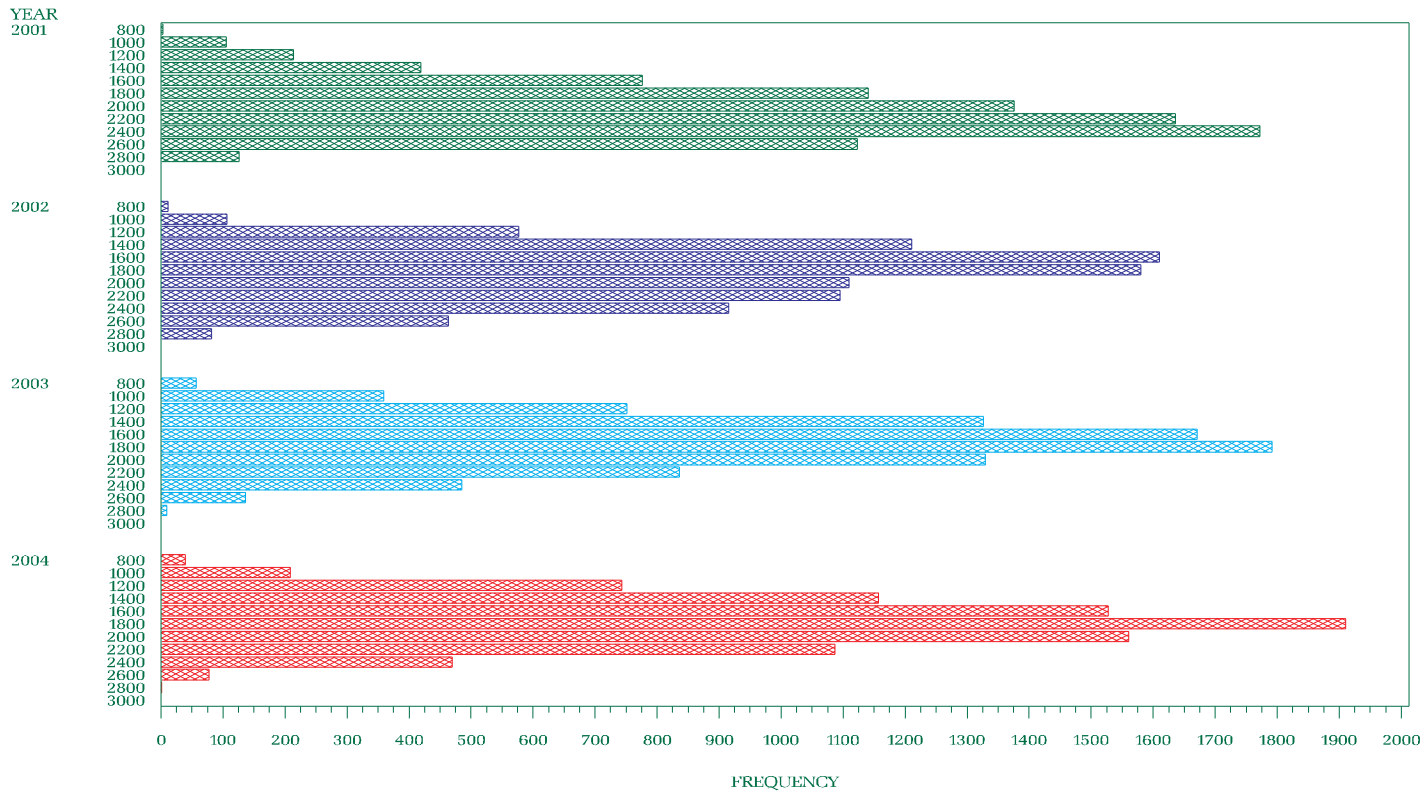
CENTRAL EAST



Flow in (MW)	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
800	39	39	0.44	0.44
1000	209	248	2.38	2.82
1200	743	991	8.46	11.29
1400	1157	2148	13.18	24.46
1600	1527	3675	17.39	41.86
1800	1910	5585	21.75	63.61
2000	1560	7145	17.77	81.38
2200	1087	8232	12.38	93.76
2400	470	8702	5.35	99.11
2600	77	8779	0.88	99.99
2800	1	8780	0.01	100.00
3000	0	8780	0.00	100.00

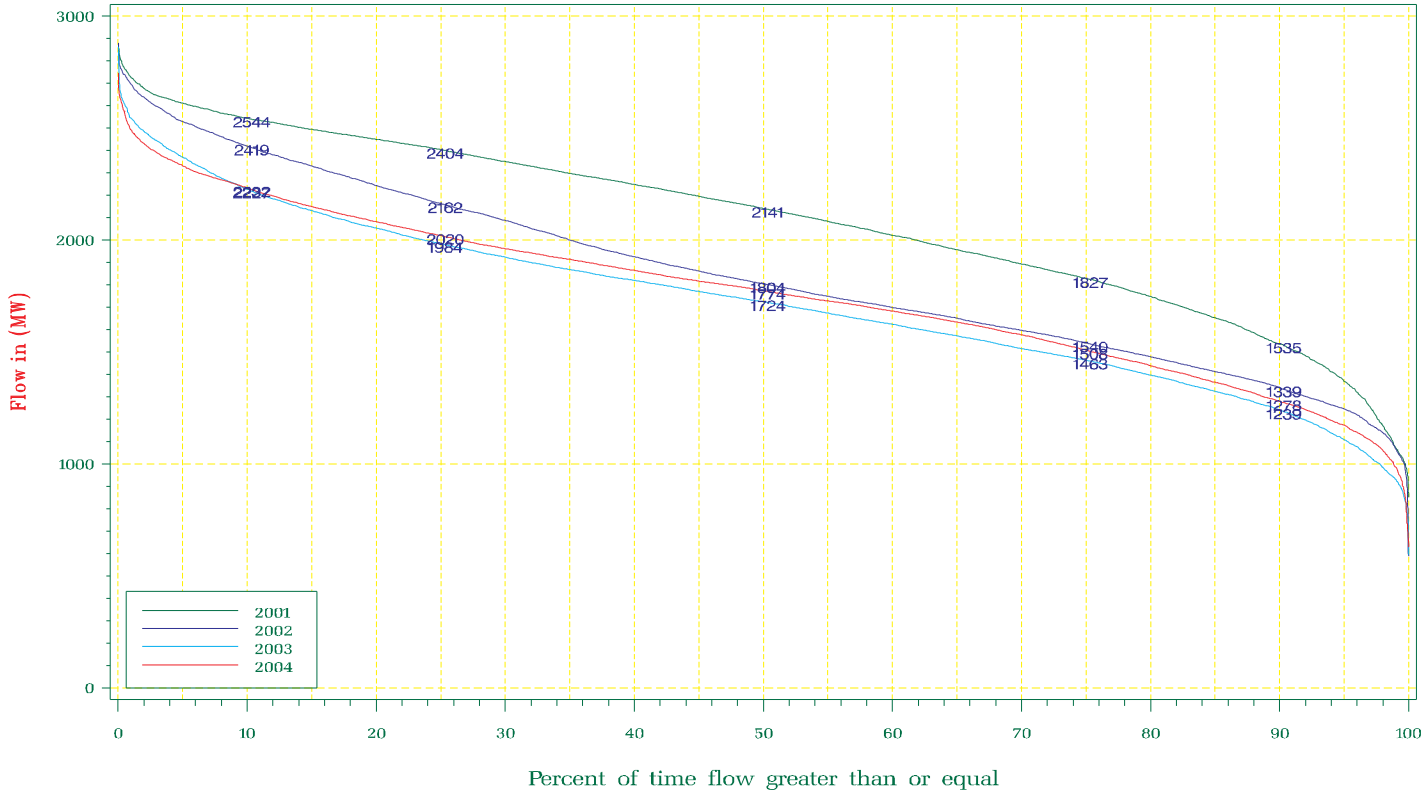
NYISO Frequency Interface Flow For January 2001 – December 2004

CENTRAL EAST



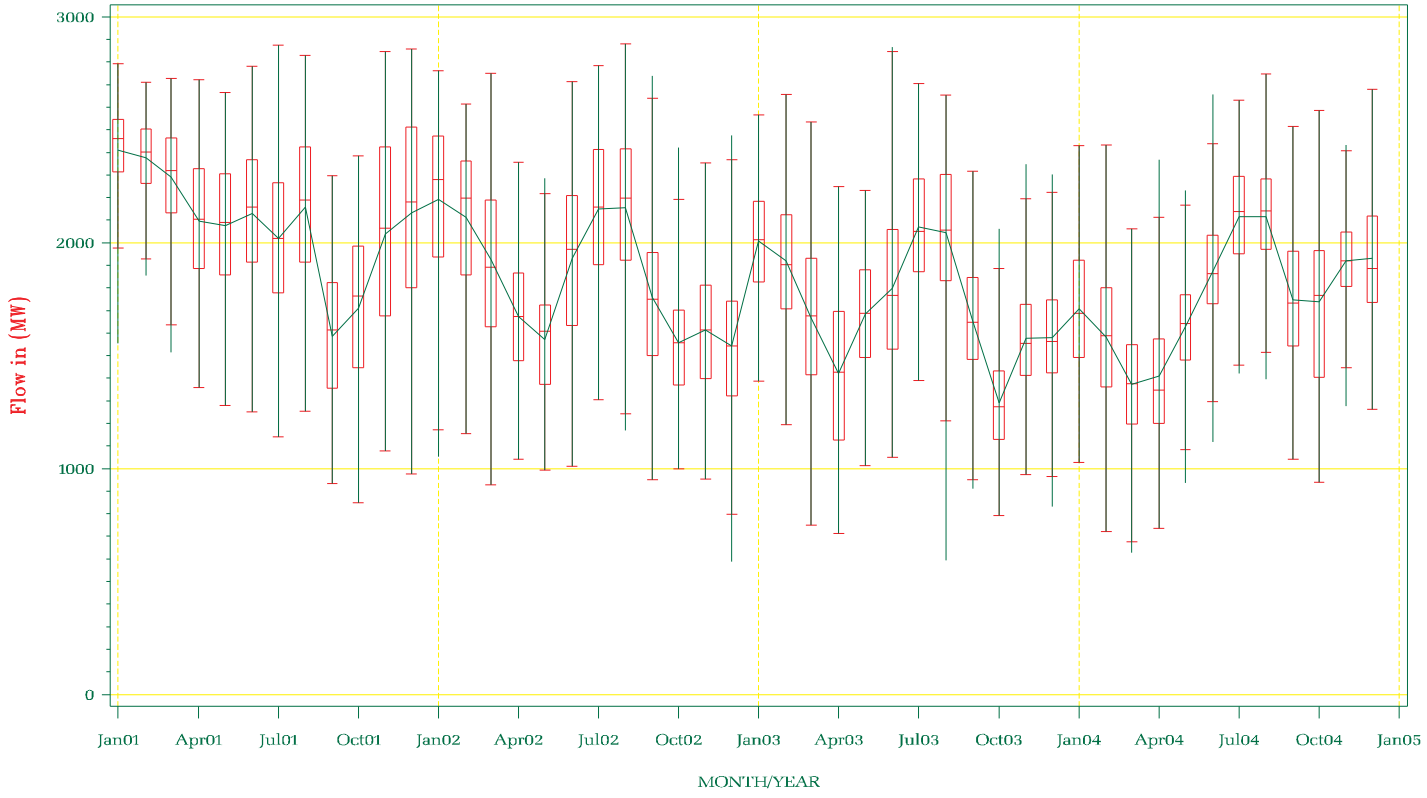
NYISO Percent of time Interface Flow For January 2001 – December 2004

CENTRAL EAST



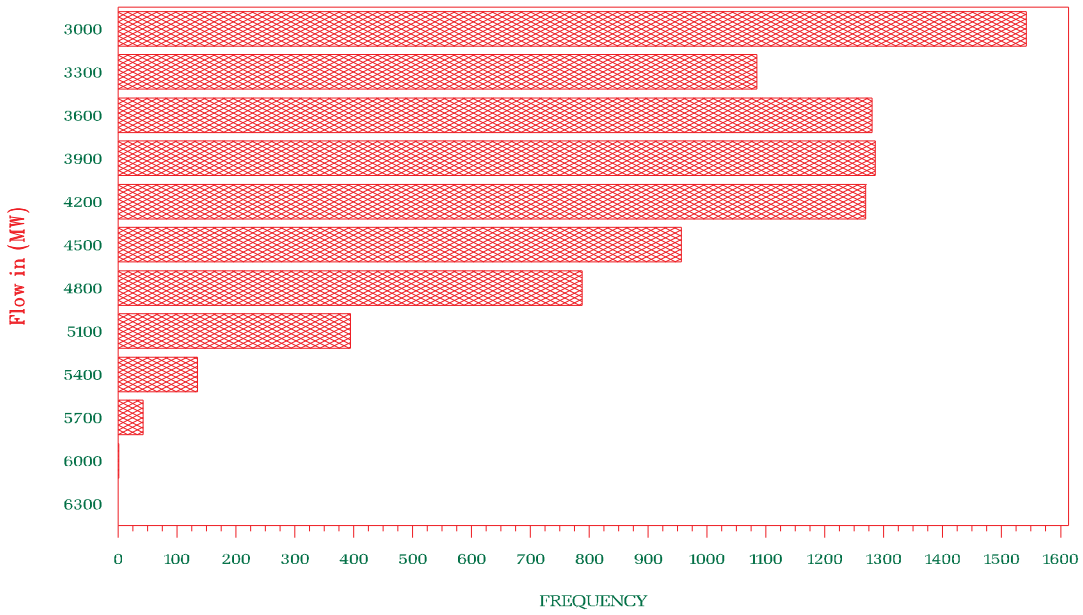
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

CENTRAL EAST



NYISO Frequency Interface Flow For January – December 2004

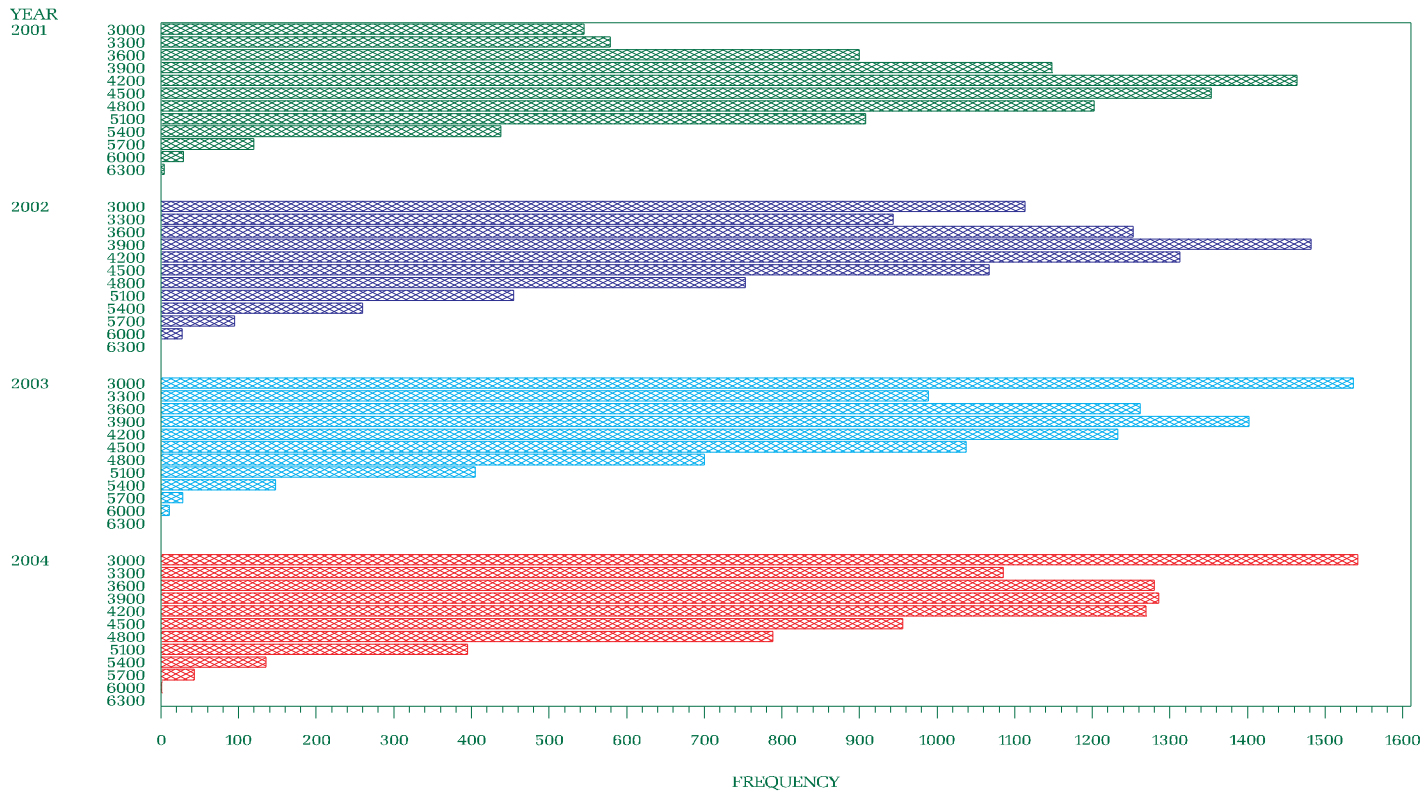
TOTAL EAST



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
3000	1542	1542	17.56	17.56
3300	1085	2627	12.36	29.92
3600	1280	3907	14.58	44.50
3900	1286	5193	14.65	59.15
4200	1269	6462	14.45	73.60
4500	956	7418	10.89	84.49
4800	788	8206	8.97	93.46
5100	395	8601	4.50	97.96
5400	135	8736	1.54	99.50
5700	43	8779	0.49	99.99
6000	1	8780	0.01	100.00
6300	0	8780	0.00	100.00

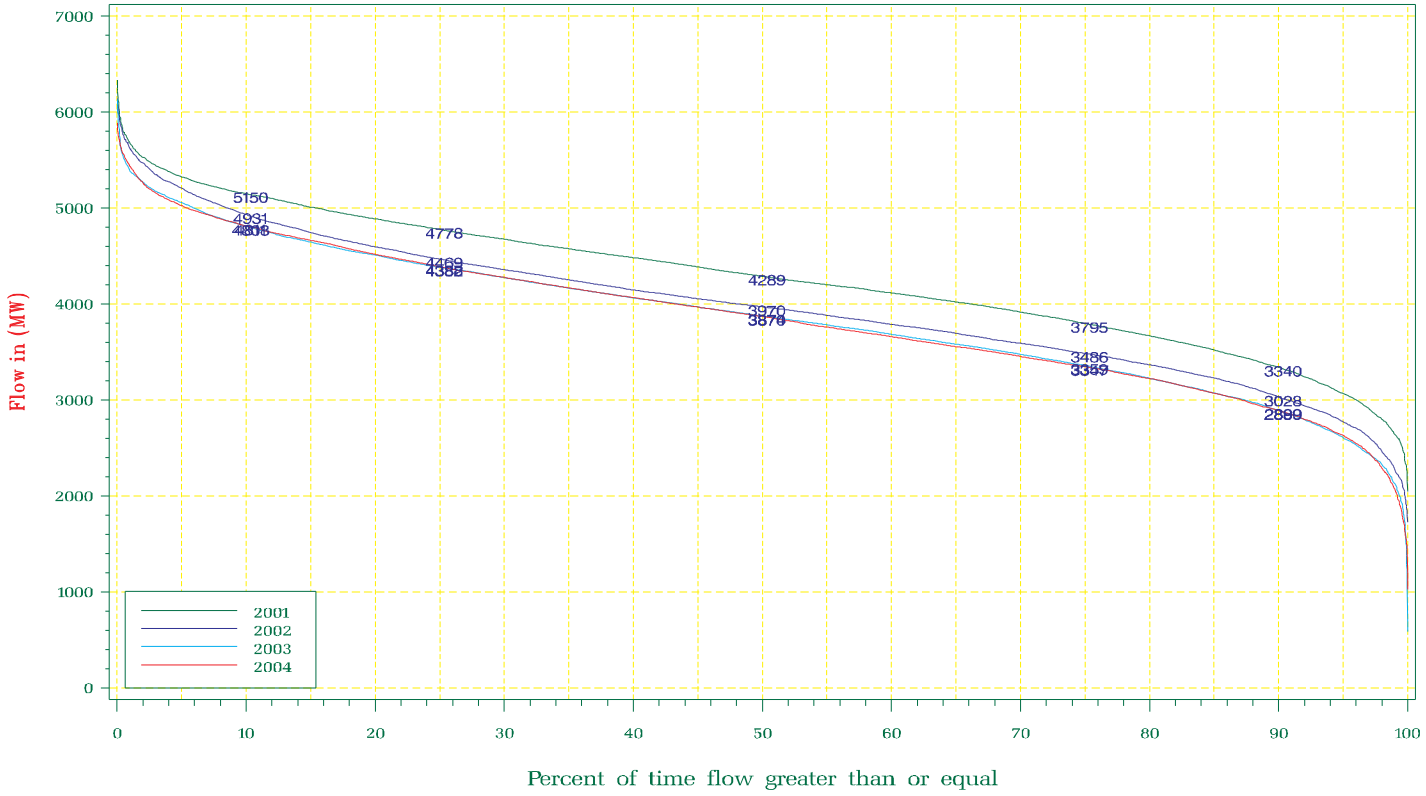
NYISO Frequency Interface Flow For January 2001 – December 2004

TOTAL EAST



NYISO Percent of time Interface Flow For January 2001 – December 2004

TOTAL EAST

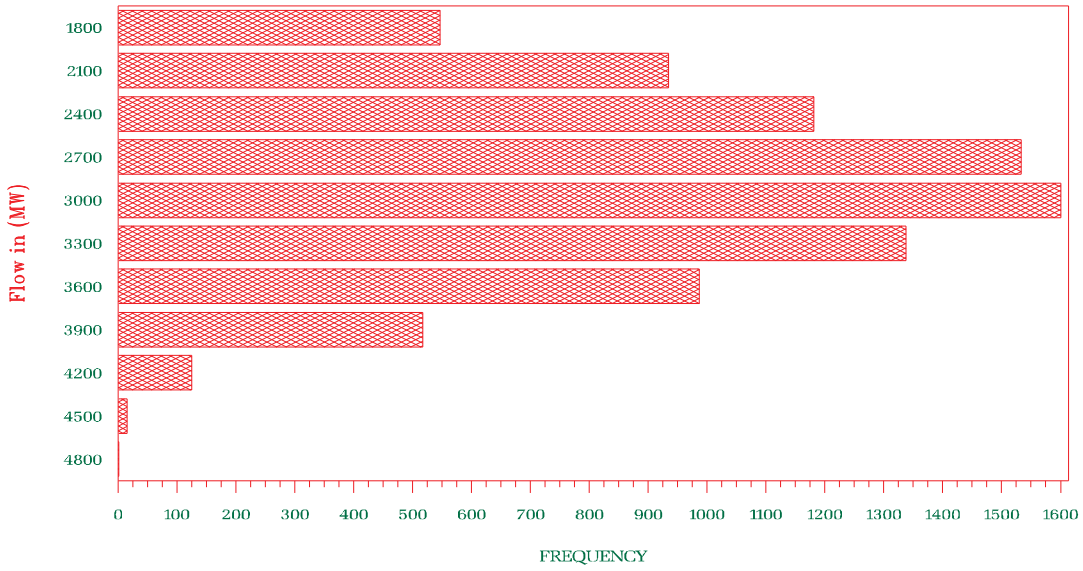


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

TOTAL EAST

NYISO Frequency Interface Flow For January – December 2004

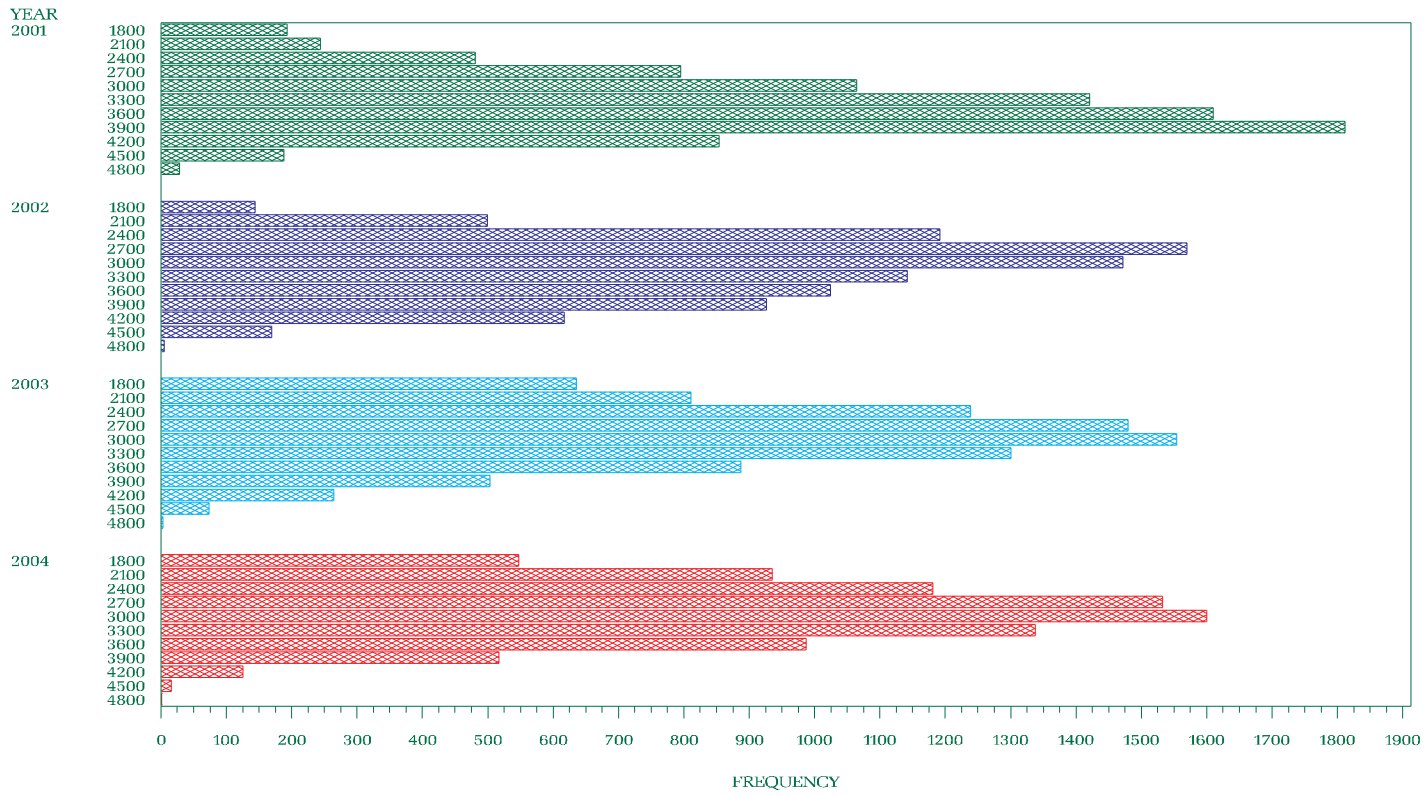
Central – Capital/Mid Hudson



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1800	547	547	6.23	6.23
2100	935	1482	10.65	16.88
2400	1181	2663	13.45	30.33
2700	1533	4196	17.46	47.79
3000	1600	5796	18.22	66.01
3300	1338	7134	15.24	81.25
3600	987	8121	11.24	92.49
3900	517	8638	5.89	98.38
4200	125	8763	1.42	99.81
4500	16	8779	0.18	99.99
4800	1	8780	0.01	100.00

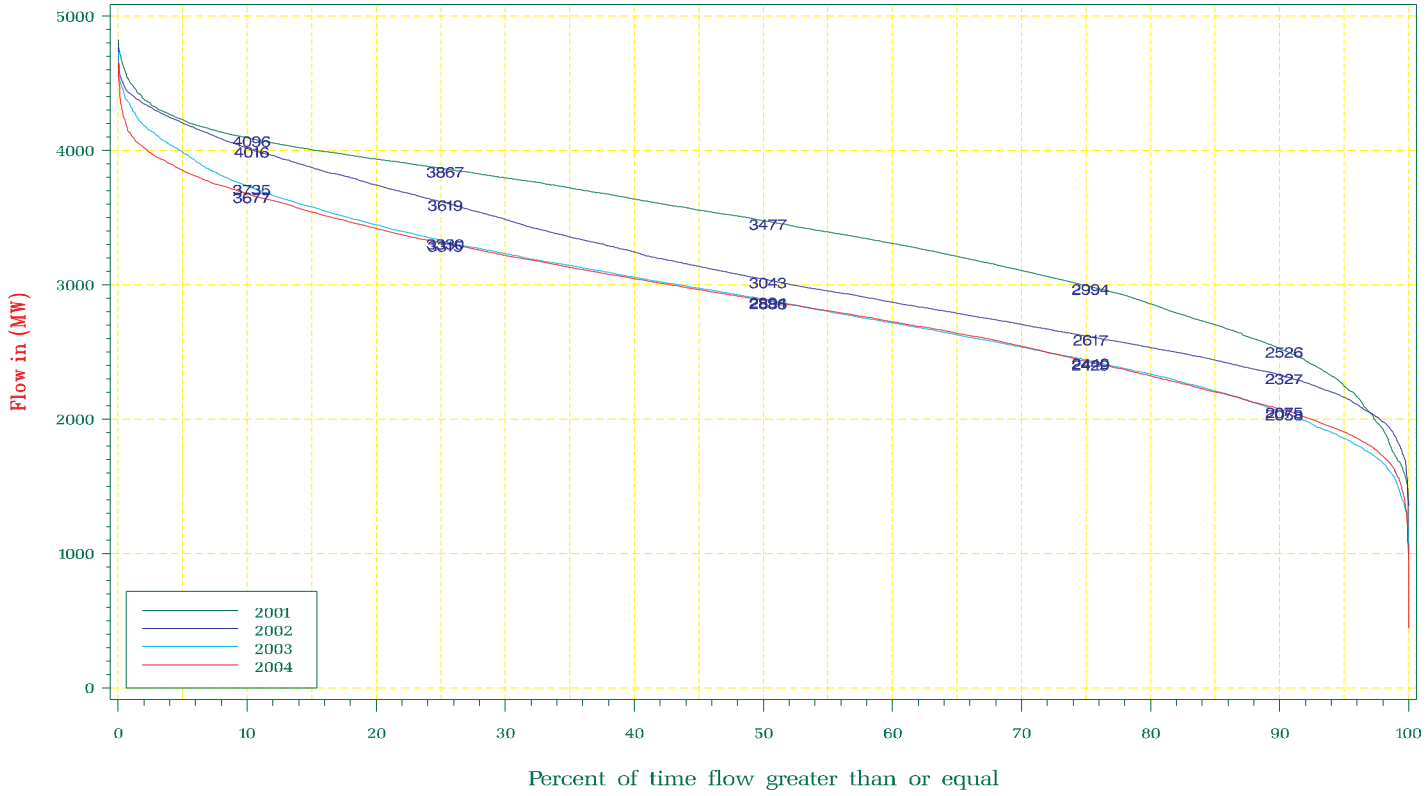
NYISO Frequency Interface Flow For January 2001 – December 2004

Central – Capital/Mid Hudson



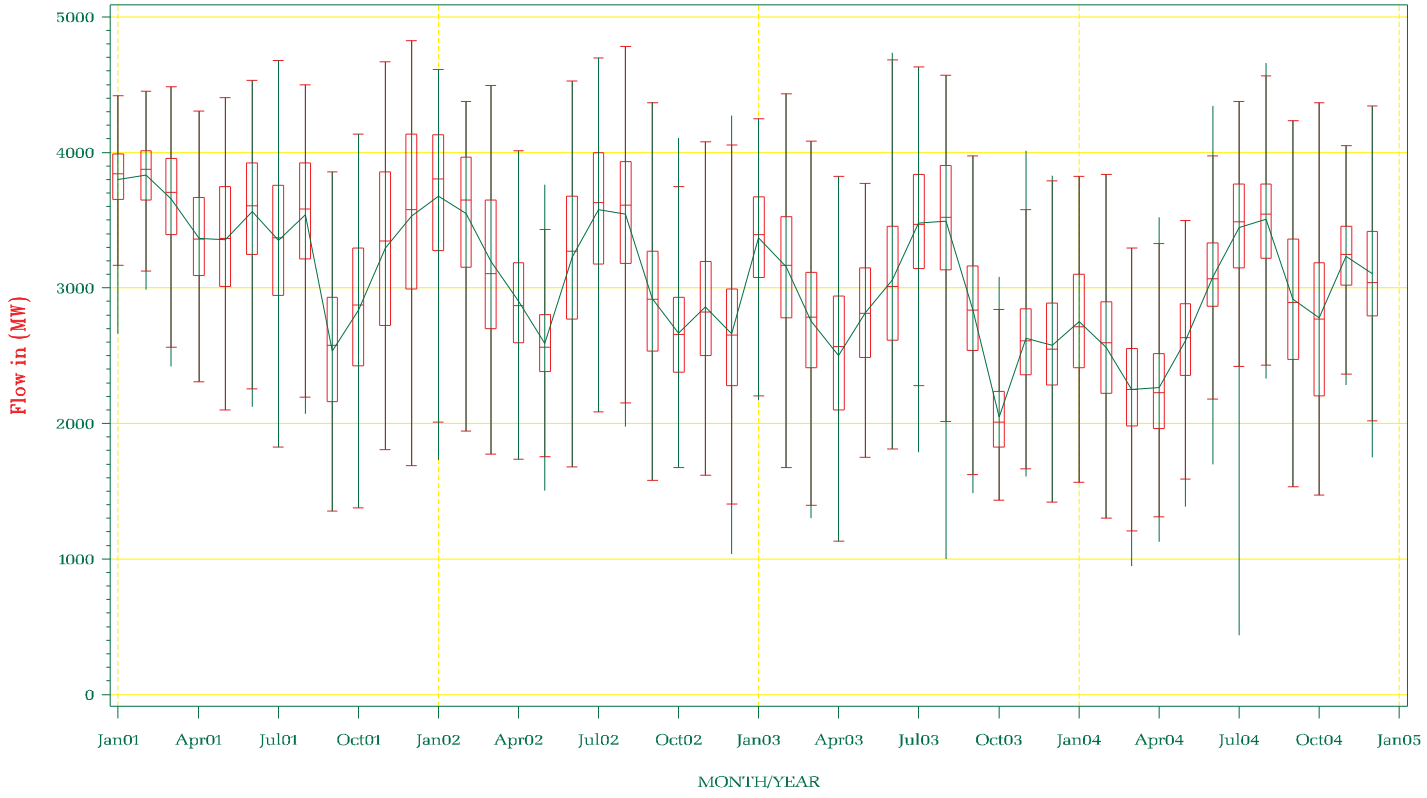
NYISO Percent of time Interface Flow For January 2001 – December 2004

Central – Capital/Mid Hudson



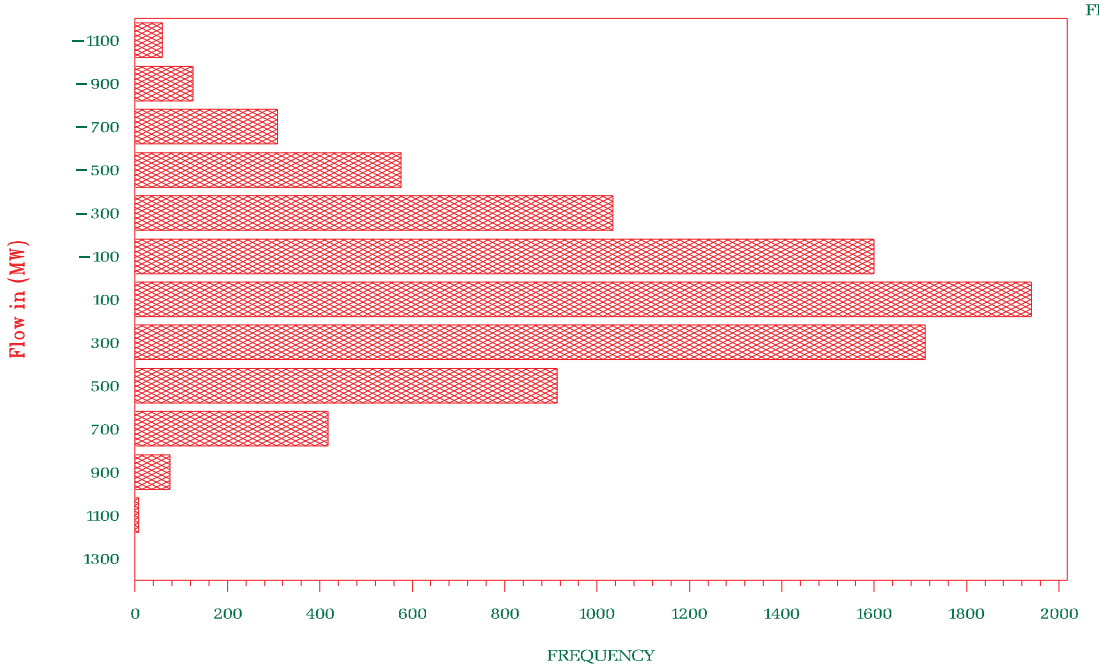
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Central – Capital/Mid Hudson



NYISO Frequency Interface Flow For January – December 2004

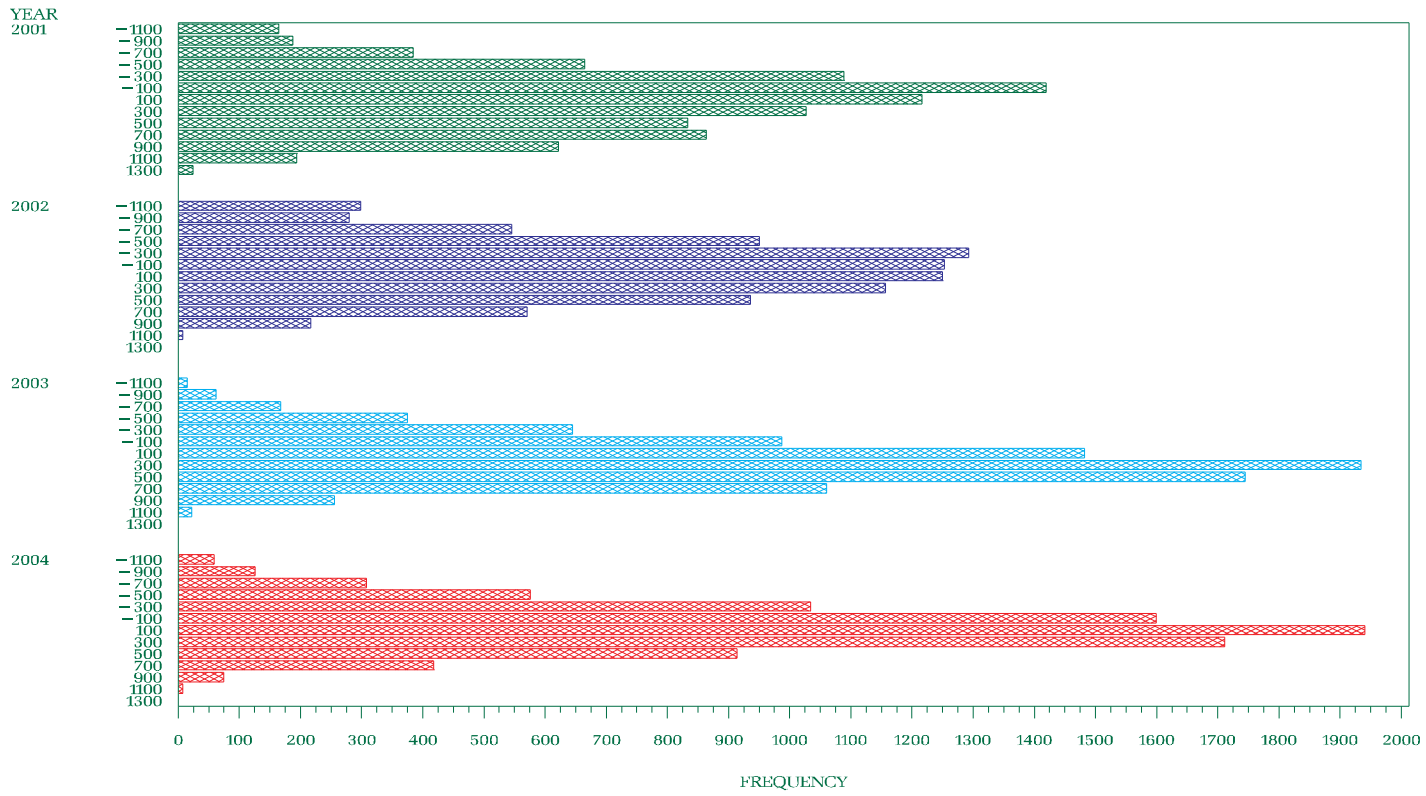
PJM East – Capital/Mid Hudson



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-1100	59	59	0.67	0.67
-900	126	185	1.44	2.11
-700	308	493	3.51	5.62
-500	576	1069	6.57	12.19
-300	1034	2103	11.79	23.98
-100	1599	3702	18.24	42.22
100	1940	5642	22.13	64.35
300	1711	7353	19.51	83.86
500	914	8267	10.42	94.29
700	418	8685	4.77	99.05
900	75	8760	0.86	99.91
1100	8	8768	0.09	100.00
1300	0	8768	0.00	100.00

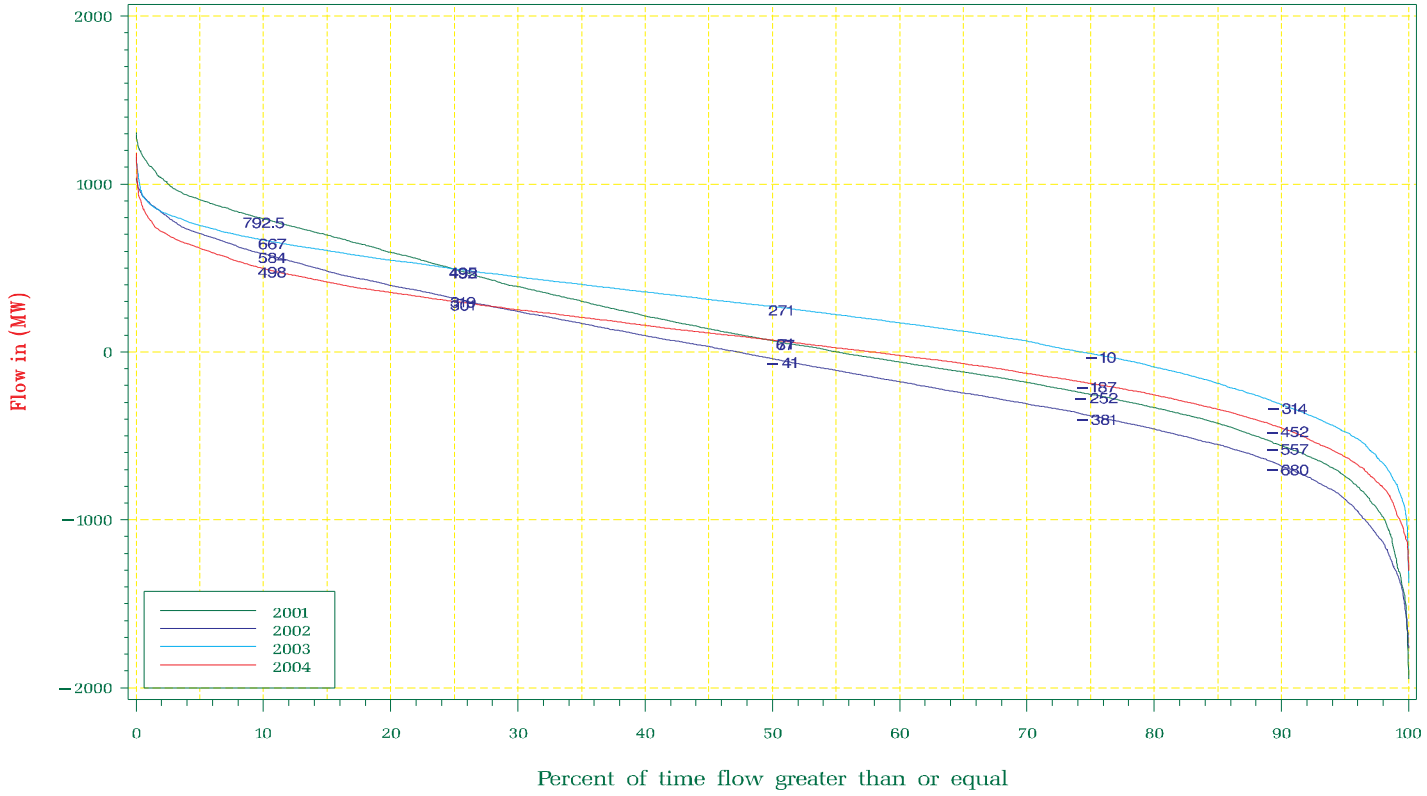
NYISO Frequency Interface Flow For January 2001 – December 2004

PJM East – Capital/Mid Hudson



NYISO Percent of time Interface Flow For January 2001 – December 2004

PJM East – Capital/Mid Hudson

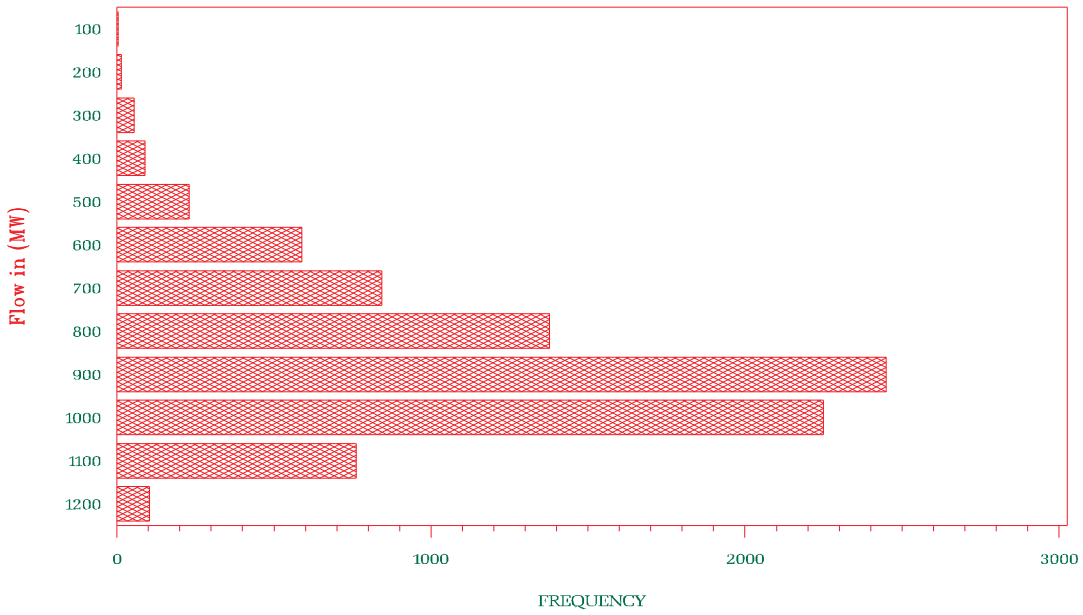


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

PJM East – Capital/Mid Hudson

NYISO Frequency Interface Flow For January – December 2004

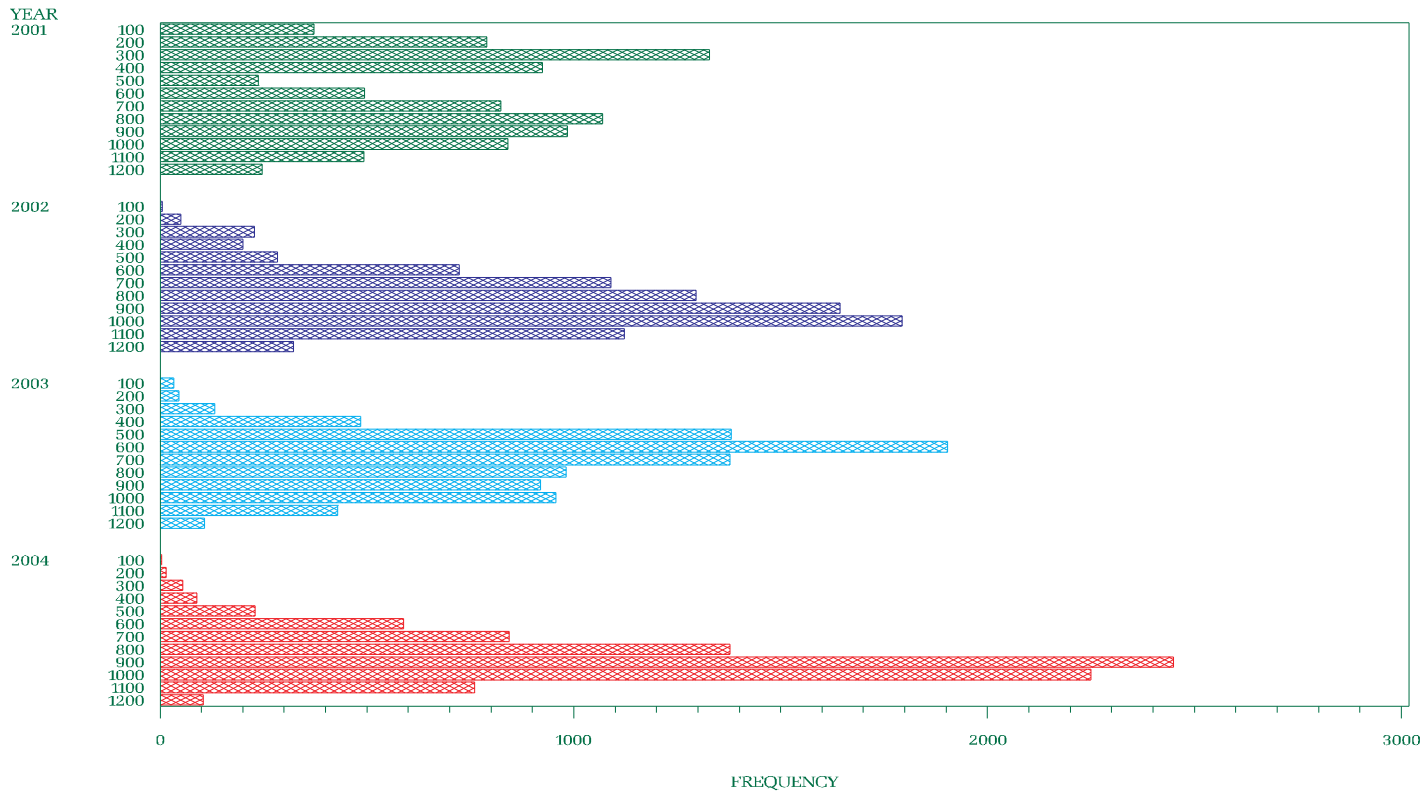
PJM East – New York City



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	4	4	0.05	0.05
200	14	18	0.16	0.21
300	55	73	0.63	0.83
400	89	162	1.02	1.85
500	229	391	2.61	4.46
600	589	980	6.72	11.18
700	844	1824	9.63	20.81
800	1378	3202	15.72	36.52
900	2450	5652	27.95	64.47
1000	2250	7902	25.66	90.13
1100	761	8663	8.68	98.81
1200	104	8767	1.19	100.00

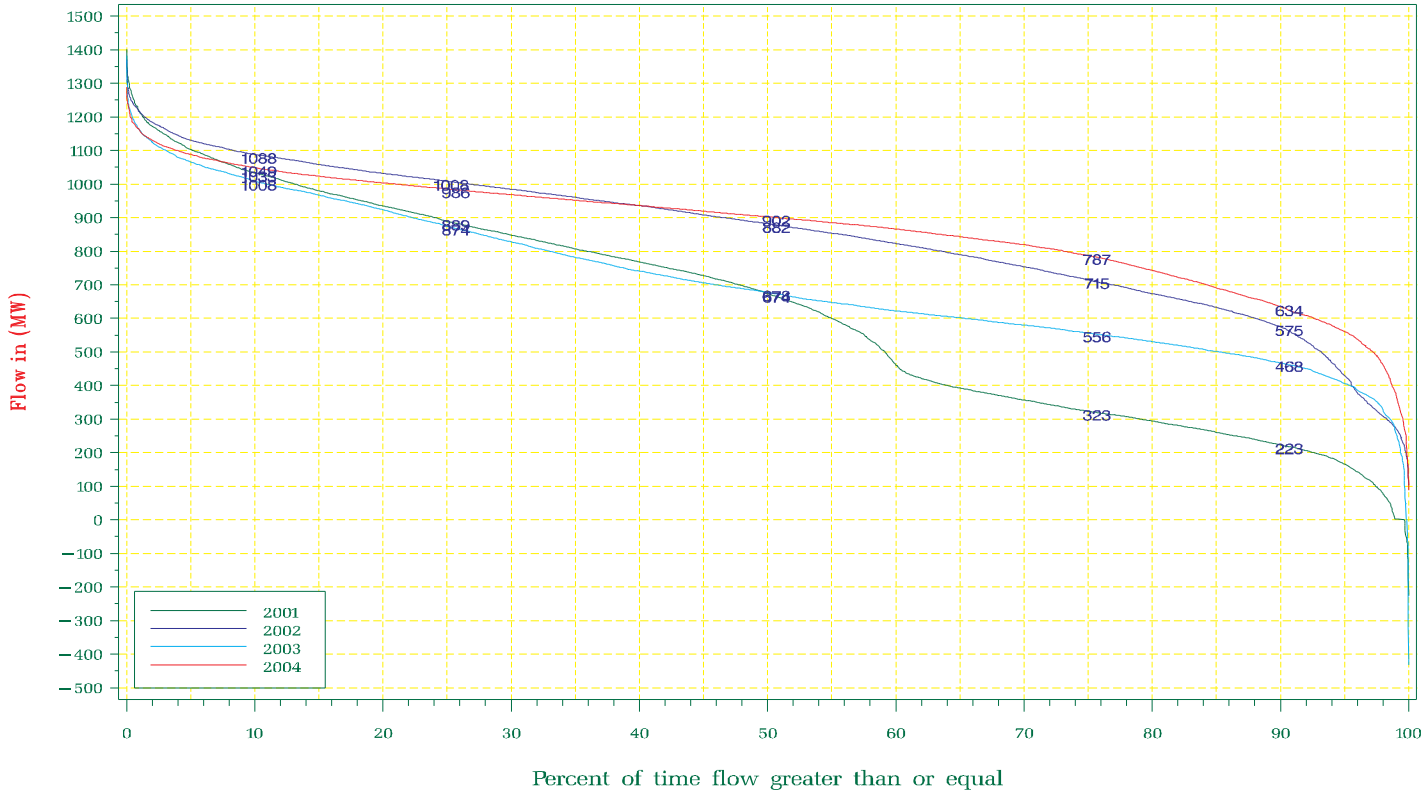
NYISO Frequency Interface Flow For January 2001 – December 2004

PJM East – New York City



NYISO Percent of time Interface Flow For January 2001 – December 2004

PJM East – New York City



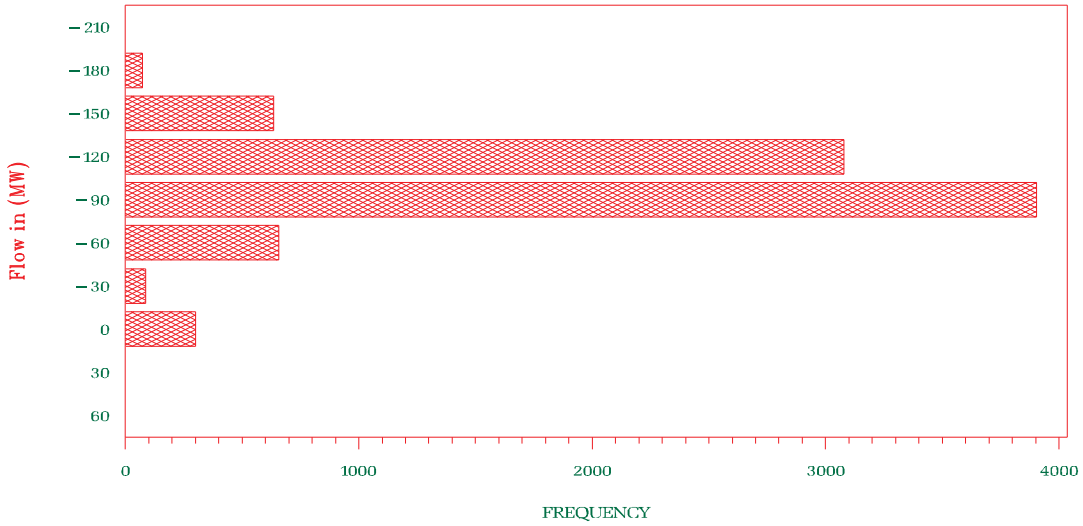
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

PJM East – New York City

NYISO Frequency Interface Flow For January – December 2004

NE/Vt. North – Adirondack

PV – 20 Grand Isle – Plattsburgh

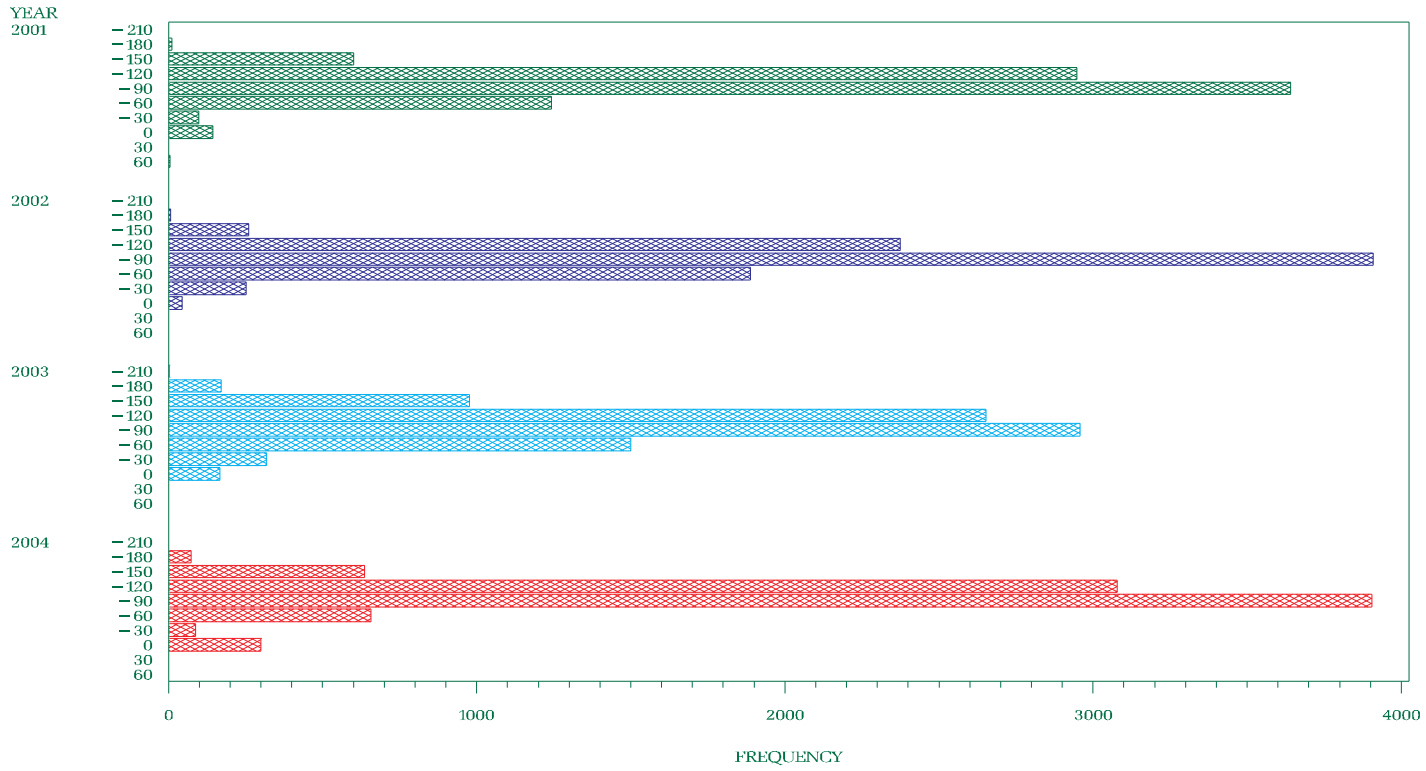


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
210	0	0	0.00	0.00
180	73	73	0.84	0.84
150	636	709	7.28	8.12
120	3078	3787	35.23	43.35
90	3904	7691	44.69	88.04
60	657	8348	7.52	95.56
30	88	8436	1.01	96.57
0	300	8736	3.43	100.00
30	0	8736	0.00	100.00
60	0	8736	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

NE/Vt. North – Adirondack

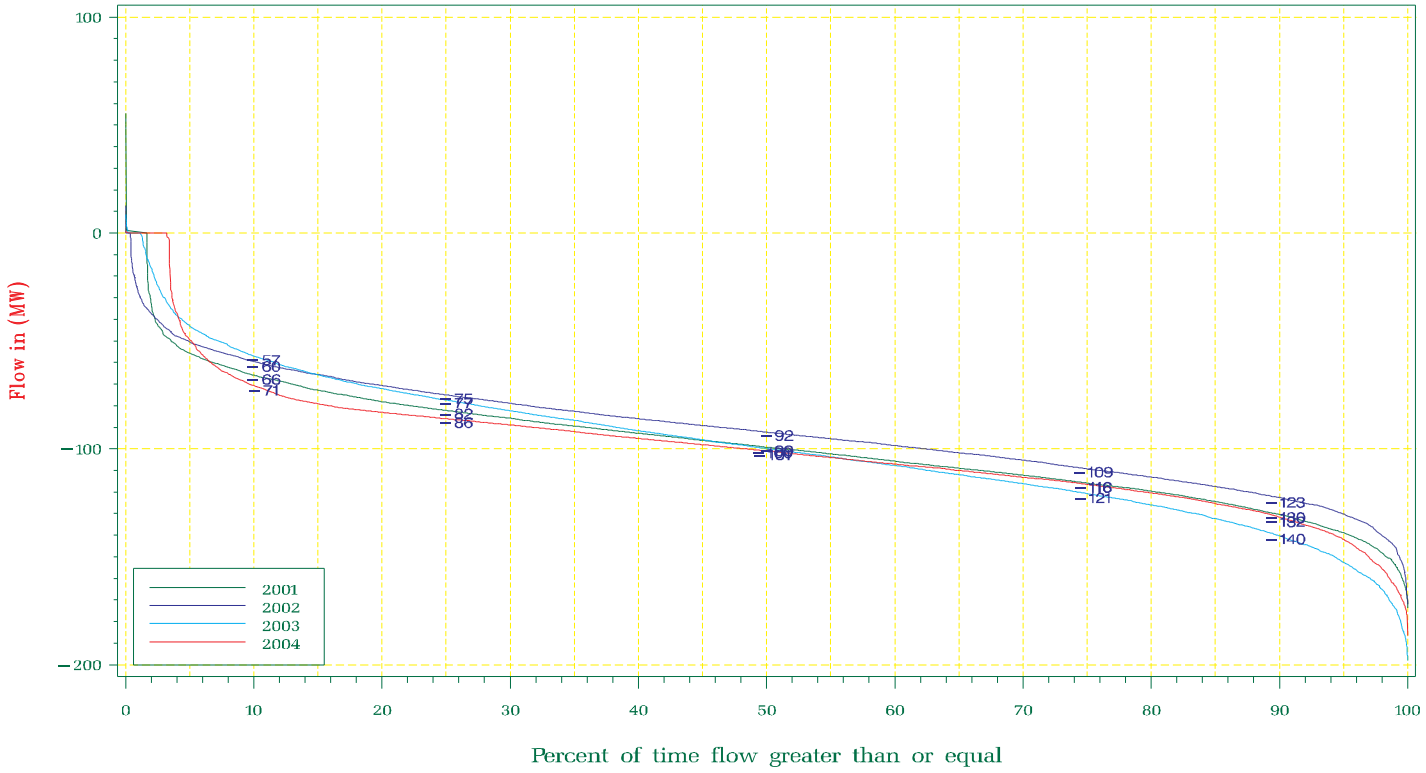
PV – 20 Grand Isle – Plattsburgh



NYISO Percent of time Interface Flow For January 2001 – December 2004

NE/Vt. North – Adirondack

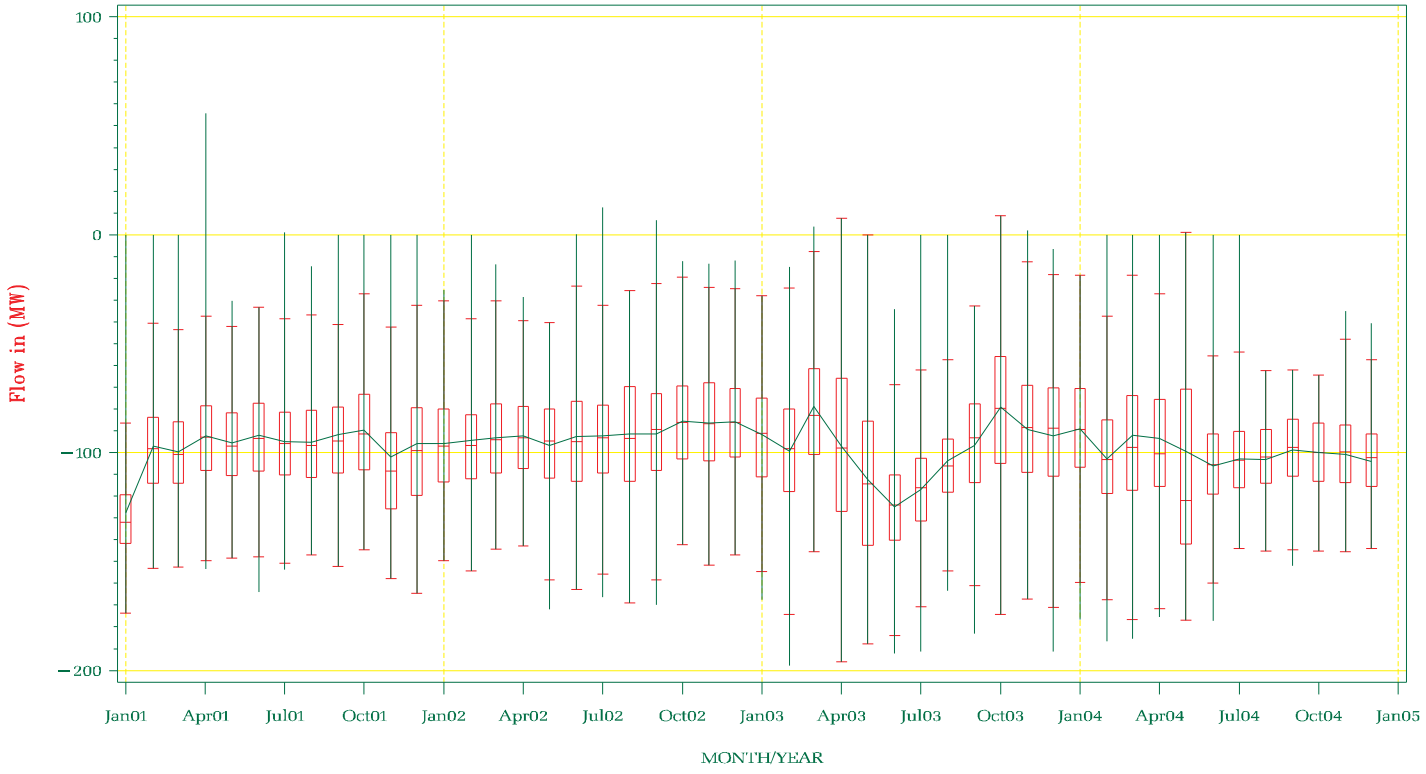
PV – 20 Grand Isle – Plattsburgh



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

NE/Vt. North – Adirondack

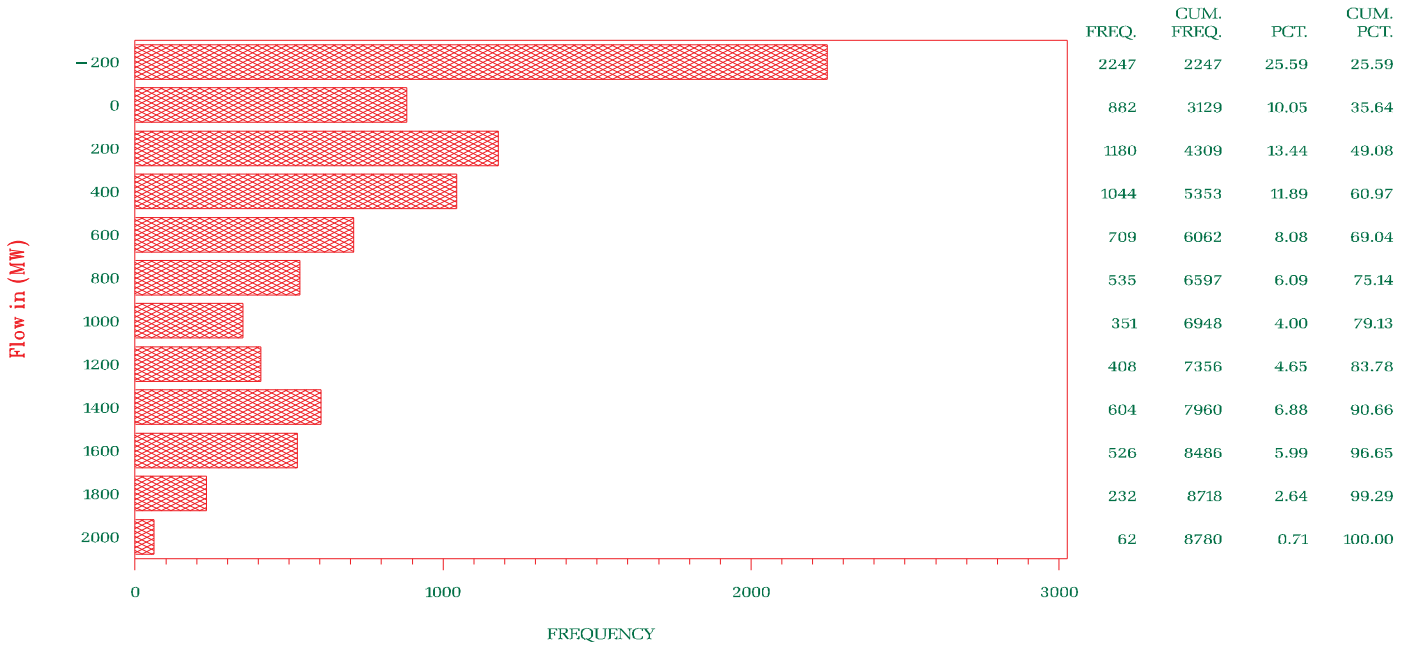
PV – 20 Grand Isle – Plattsburgh



NYISO Frequency Interface Flow For January – December 2004

MOSES SOUTH

Adirondack – Central

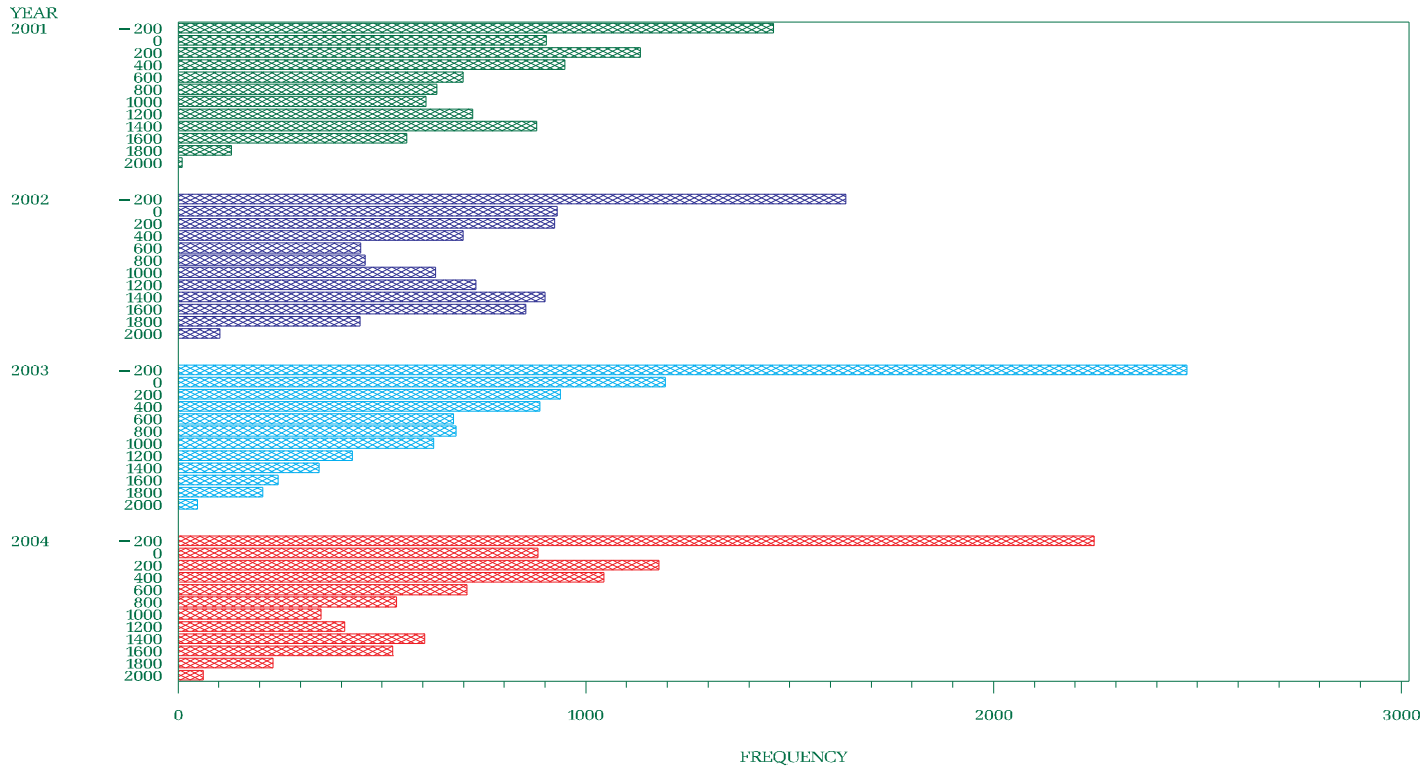


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-200	2247	2247	25.59	25.59
0	882	3129	10.05	35.64
200	1180	4309	13.44	49.08
400	1044	5353	11.89	60.97
600	709	6062	8.08	69.04
800	535	6597	6.09	75.14
1000	351	6948	4.00	79.13
1200	408	7356	4.65	83.78
1400	604	7960	6.88	90.66
1600	526	8486	5.99	96.65
1800	232	8718	2.64	99.29
2000	62	8780	0.71	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

MOSES SOUTH

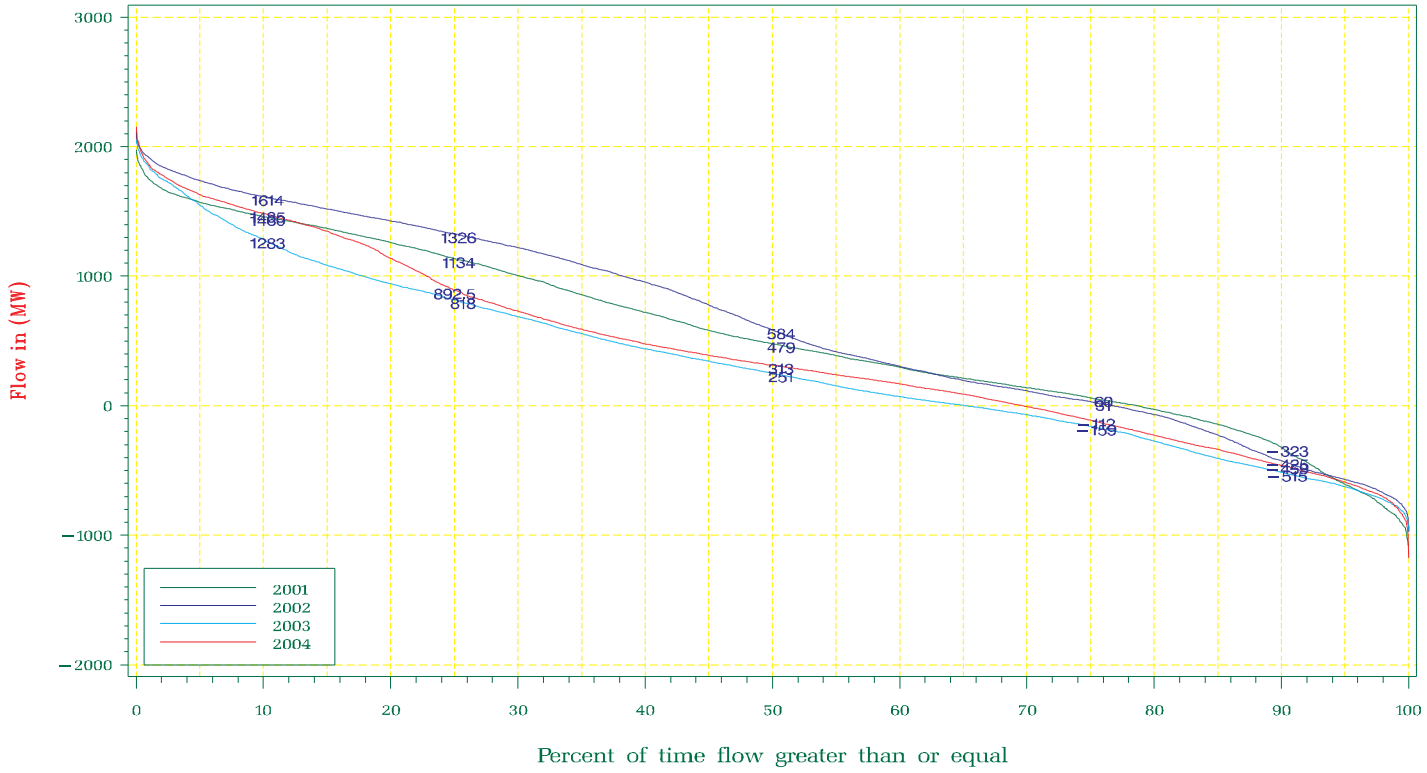
Adirondack – Central



NYISO Percent of time Interface Flow For January 2001 – December 2004

MOSES SOUTH

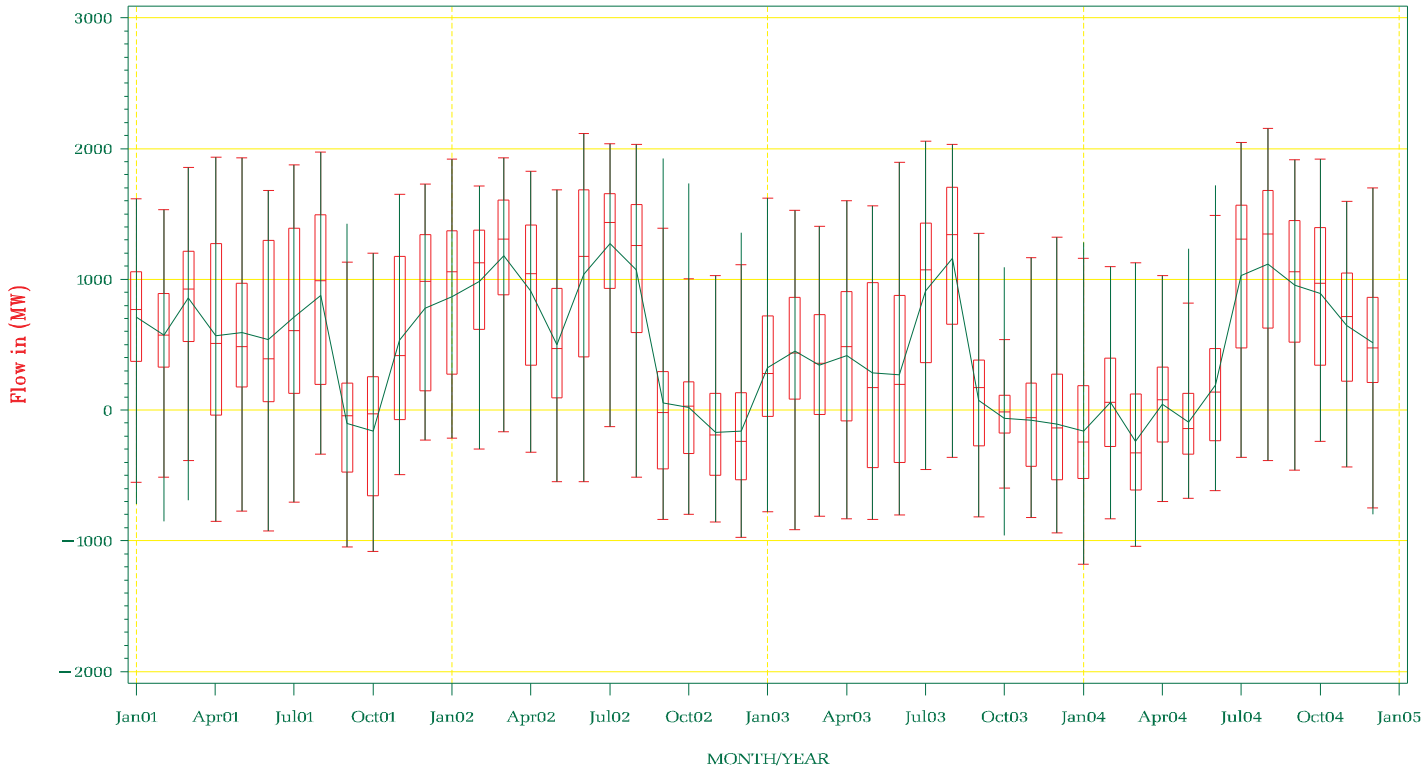
Adirondack – Central



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

MOSES SOUTH

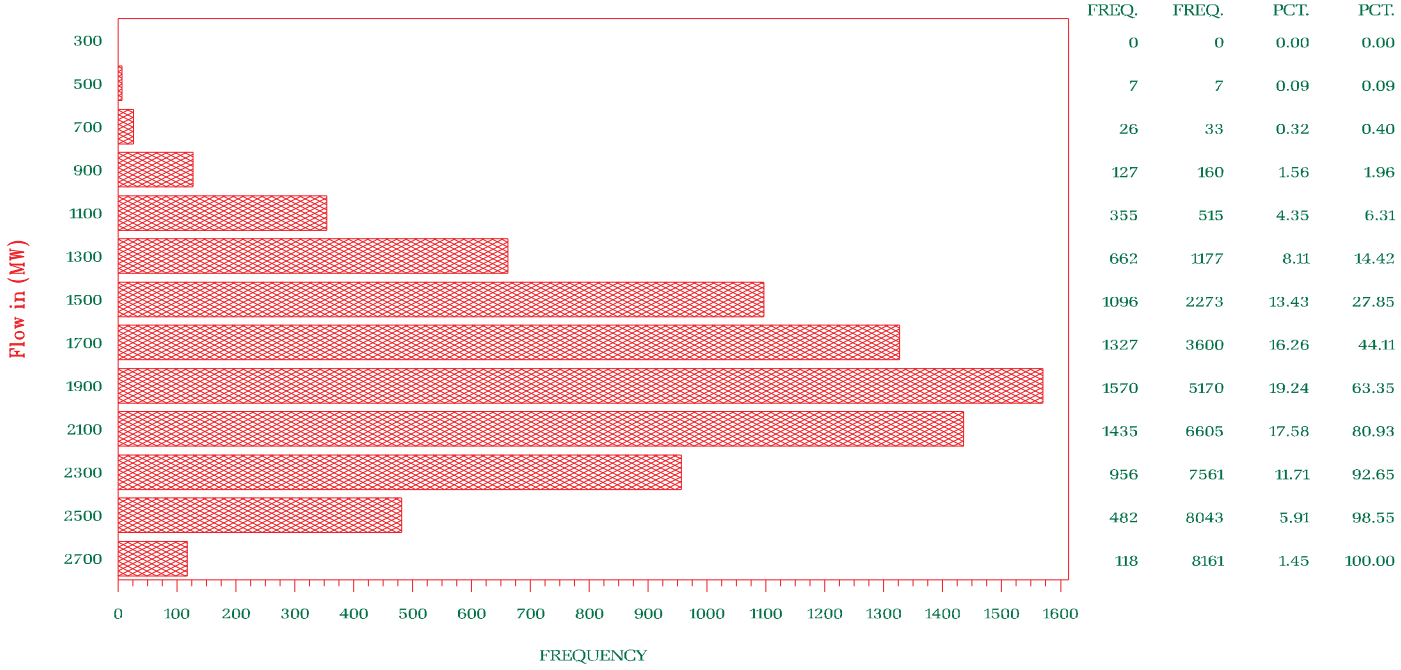
Adirondack – Central



NYISO Frequency Interface Flow For January – December 2004

DYSINGER EAST

Frontier – Genesee

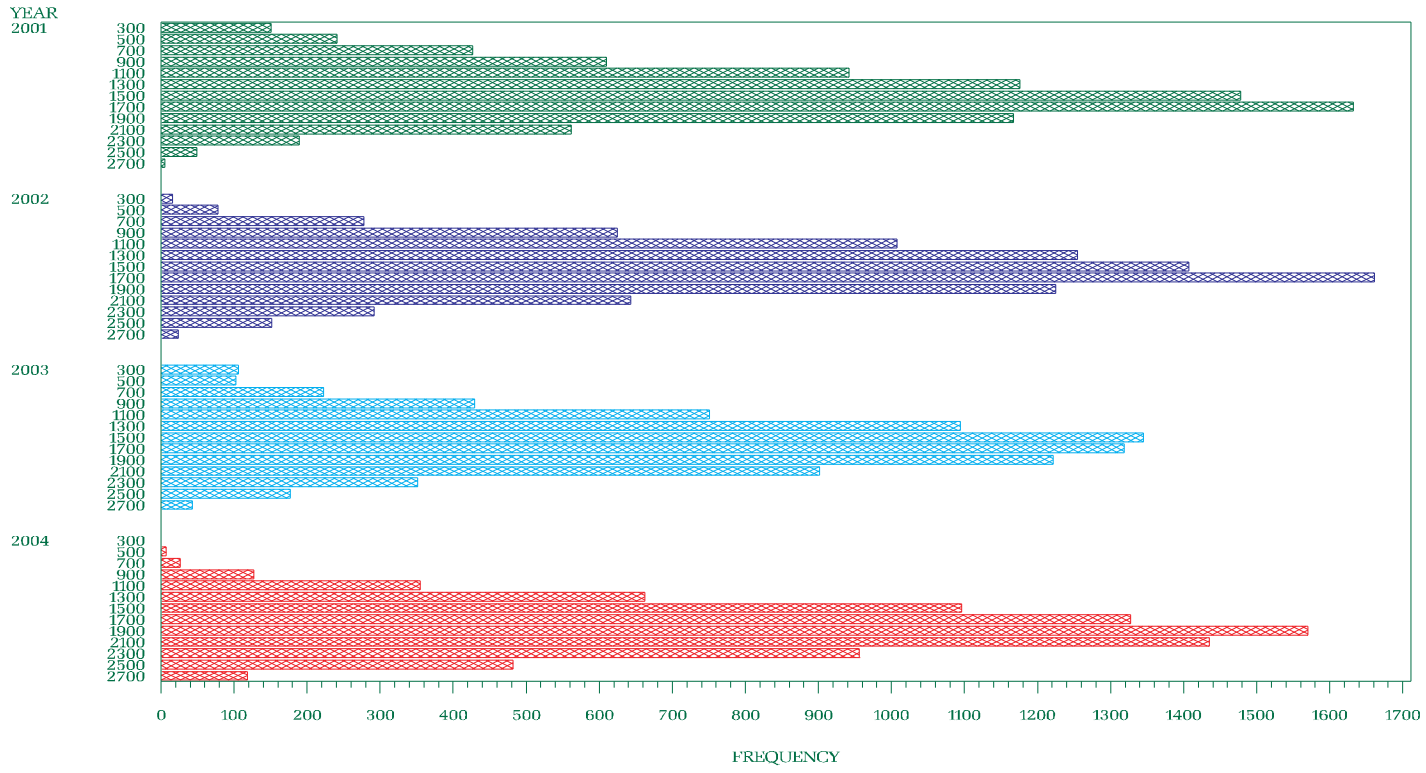


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
300	0	0	0.00	0.00
500	7	7	0.09	0.09
700	26	33	0.32	0.40
900	127	160	1.56	1.96
1100	355	515	4.35	6.31
1300	662	1177	8.11	14.42
1500	1096	2273	13.43	27.85
1700	1327	3600	16.26	44.11
1900	1570	5170	19.24	63.35
2100	1435	6605	17.58	80.93
2300	956	7561	11.71	92.65
2500	482	8043	5.91	98.55
2700	118	8161	1.45	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

DYSINGER EAST

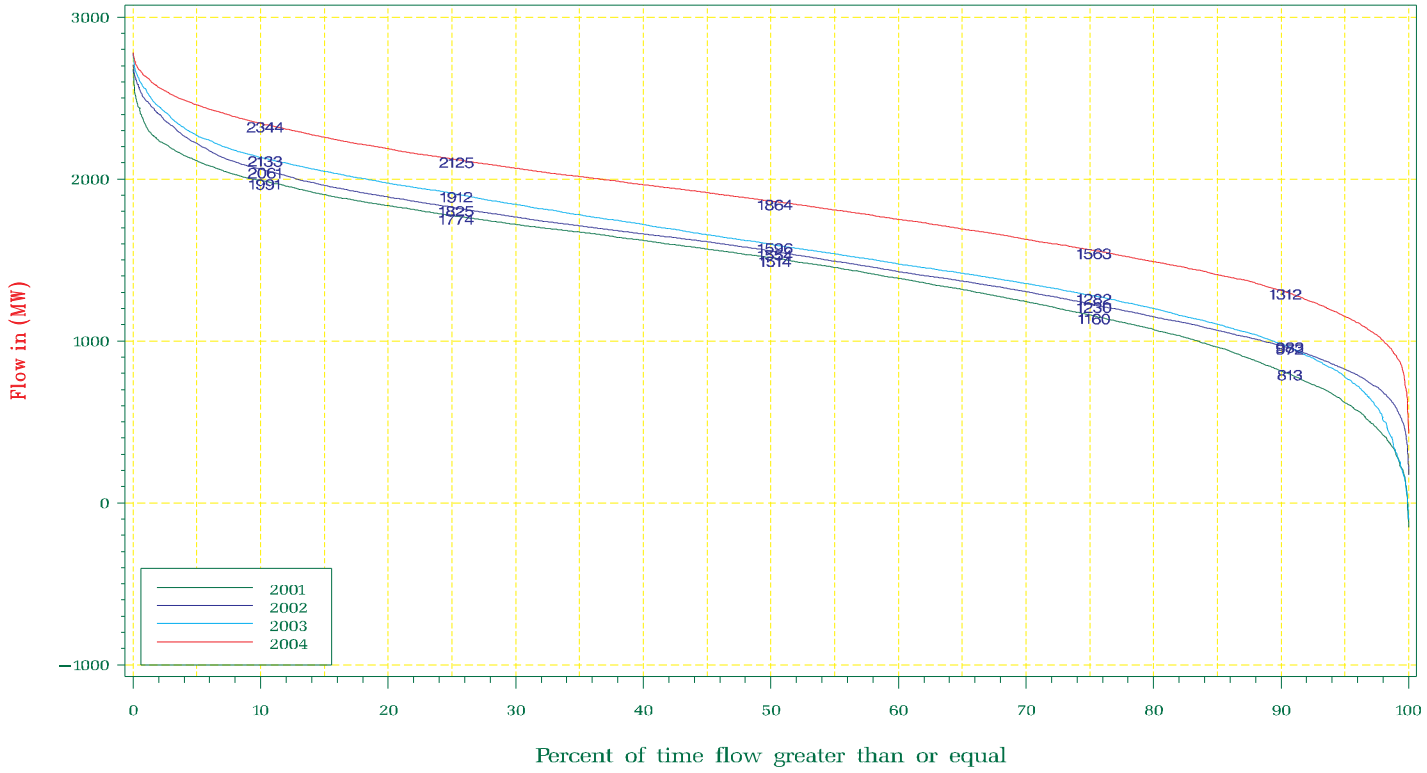
Frontier – Genesee



NYISO Percent of time Interface Flow For January 2001 – December 2004

DYSINGER EAST

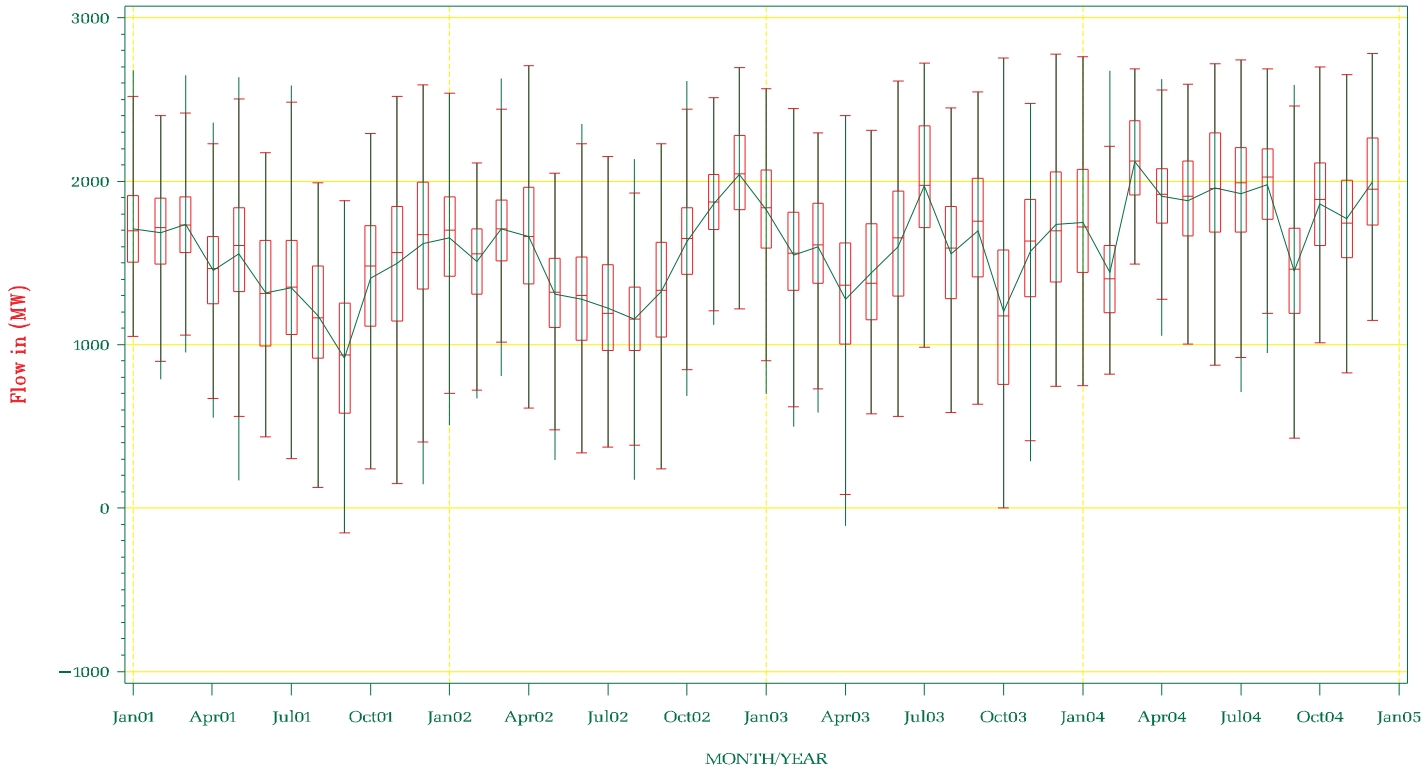
Frontier – Genesee



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

DYSINGER EAST

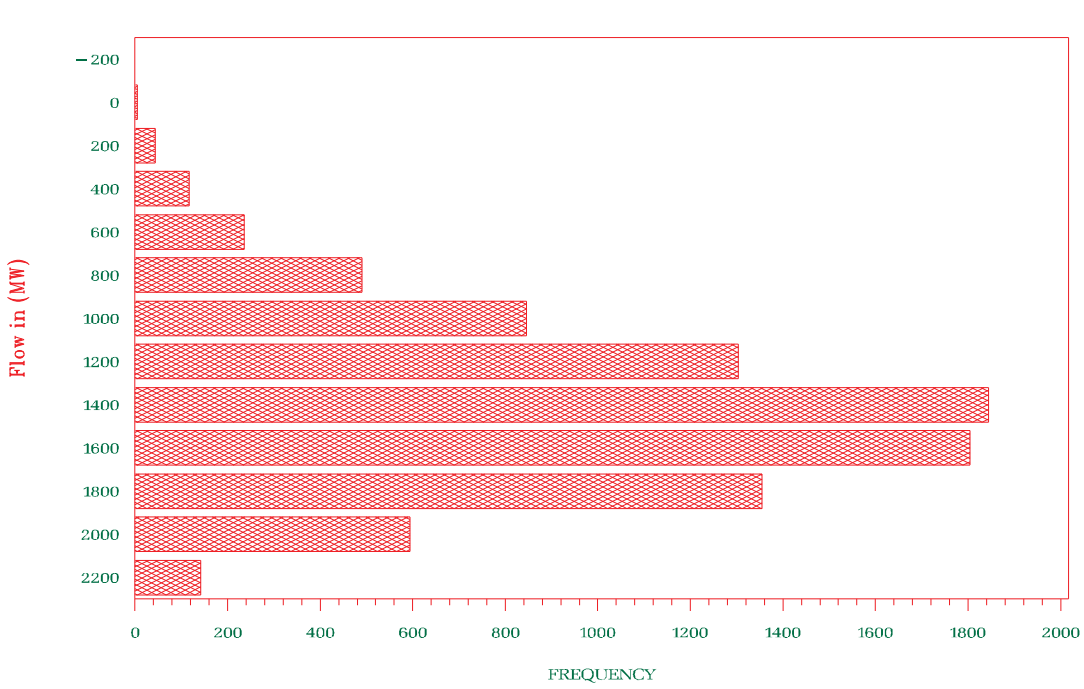
Frontier – Genesee



NYISO Frequency Interface Flow For January – December 2004

WEST CENTRAL

Genesee – Central

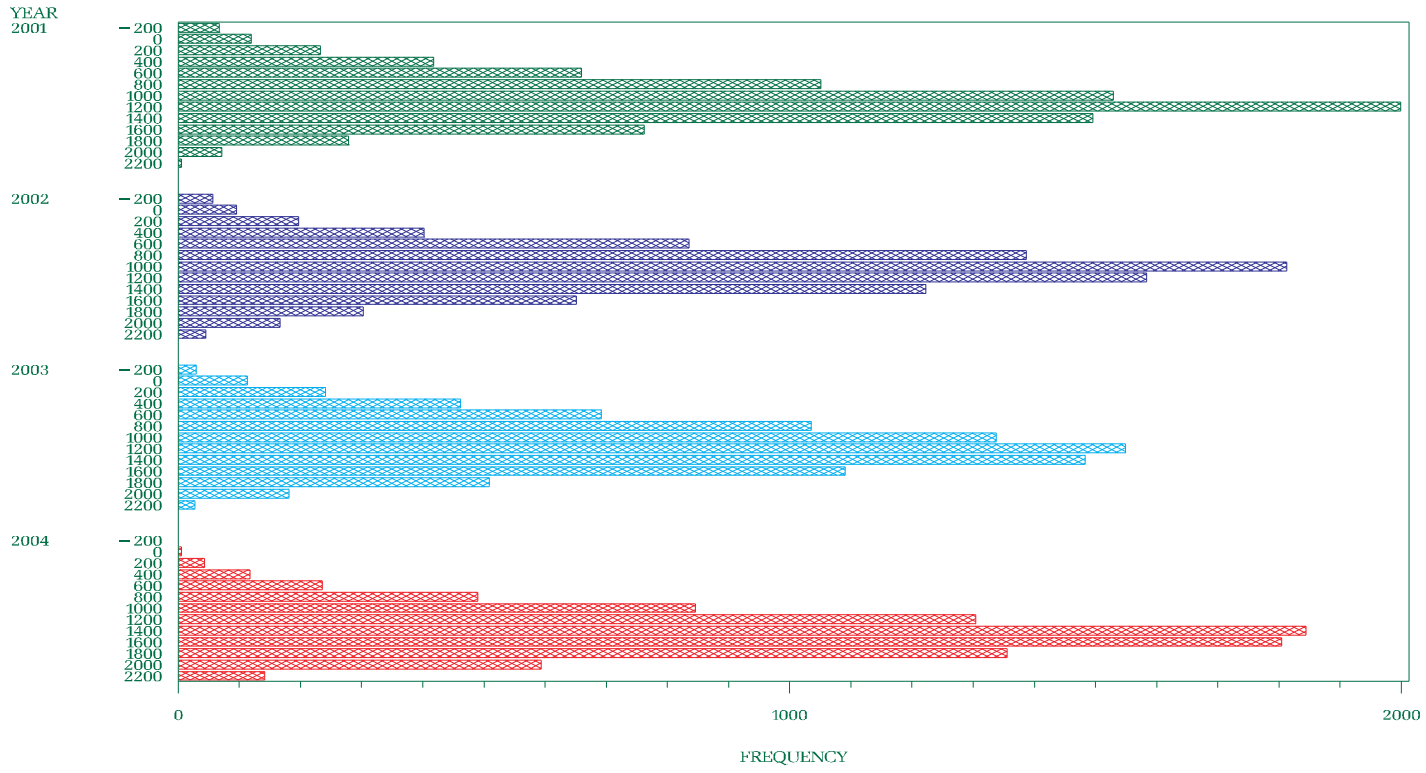


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
– 200	0	0	0.00	0.00
0	5	5	0.06	0.06
200	43	48	0.49	0.55
400	117	165	1.33	1.88
600	236	401	2.69	4.57
800	490	891	5.58	10.15
1000	846	1737	9.64	19.78
1200	1304	3041	14.85	34.64
1400	1844	4885	21.00	55.64
1600	1804	6689	20.55	76.18
1800	1355	8044	15.43	91.62
2000	594	8638	6.77	98.38
2200	142	8780	1.62	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

WEST CENTRAL

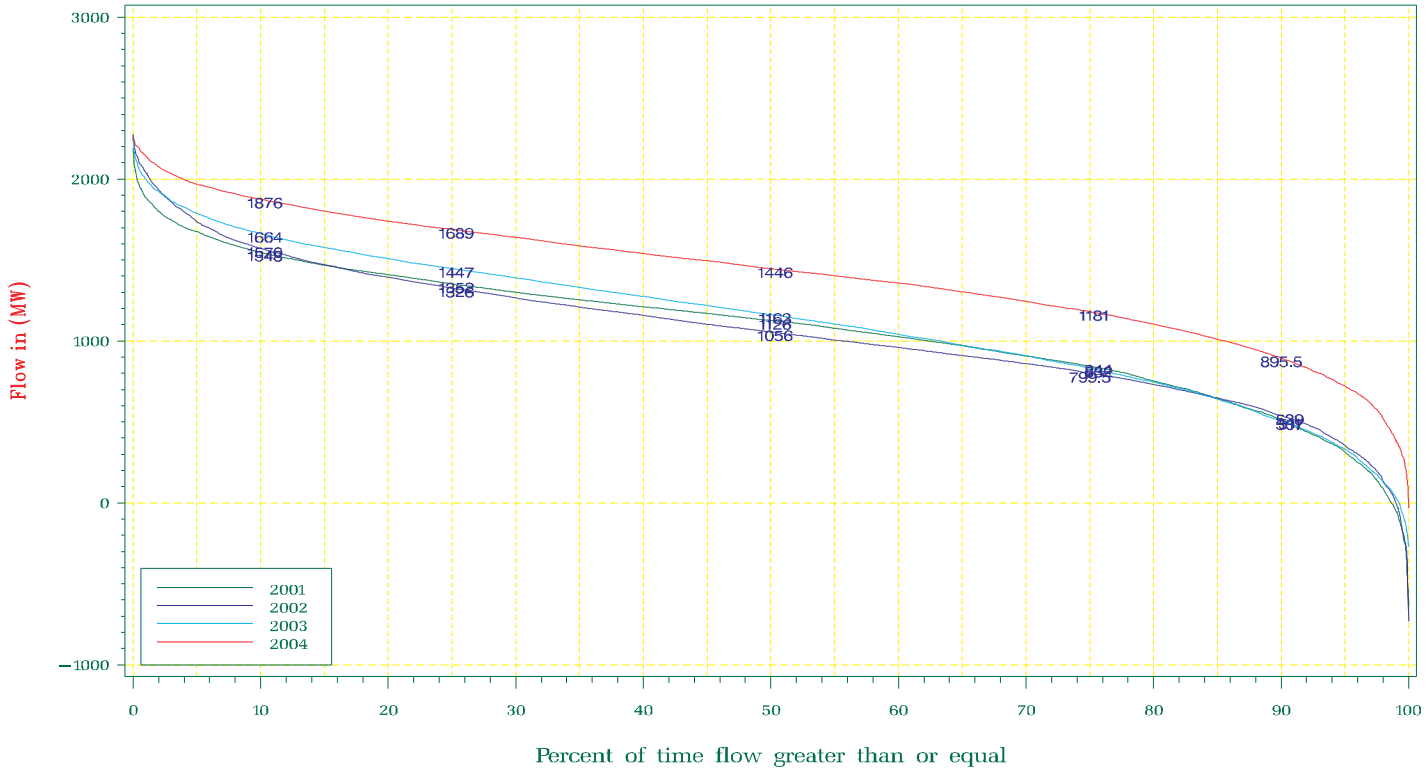
Genesee – Central



NYISO Percent of time Interface Flow For January 2001 – December 2004

WEST CENTRAL

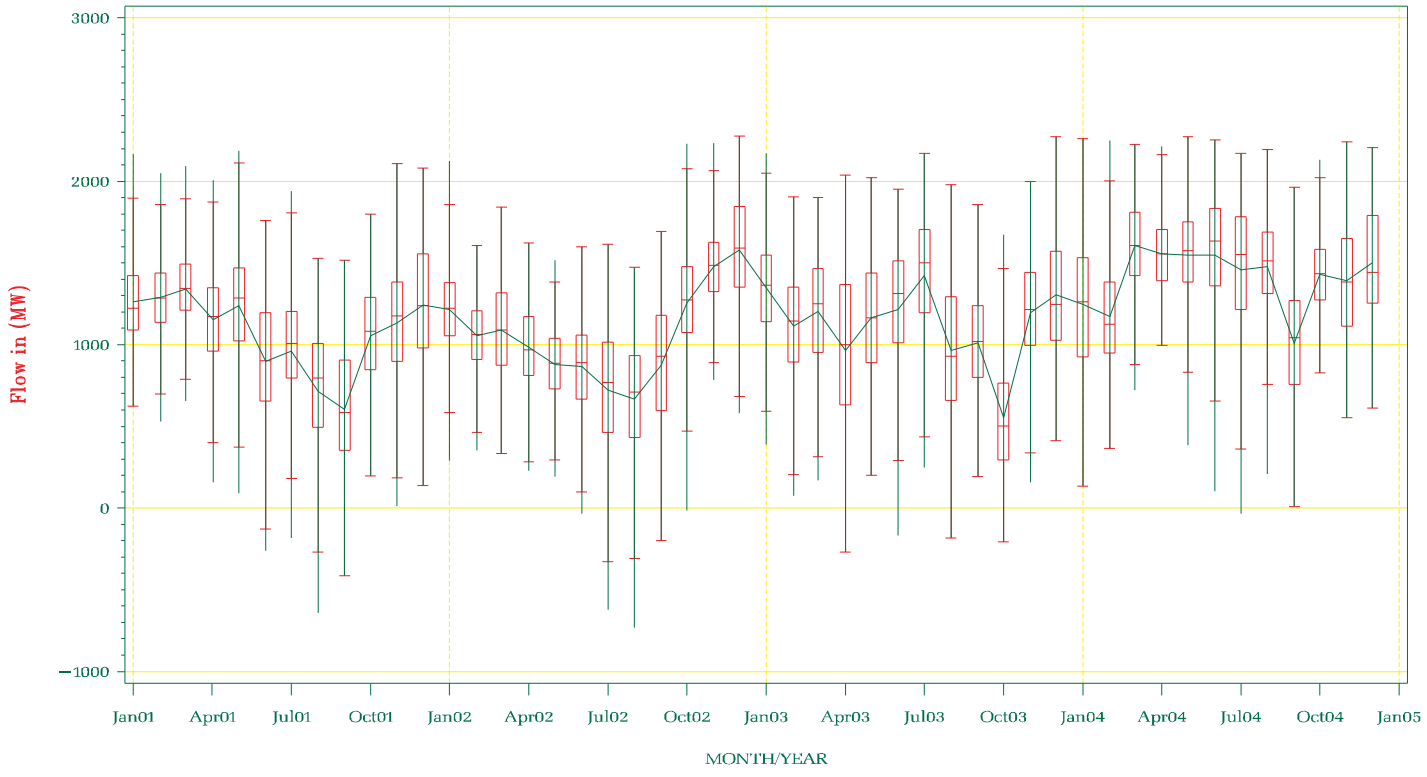
Genesee – Central



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

WEST CENTRAL

Genesee – Central



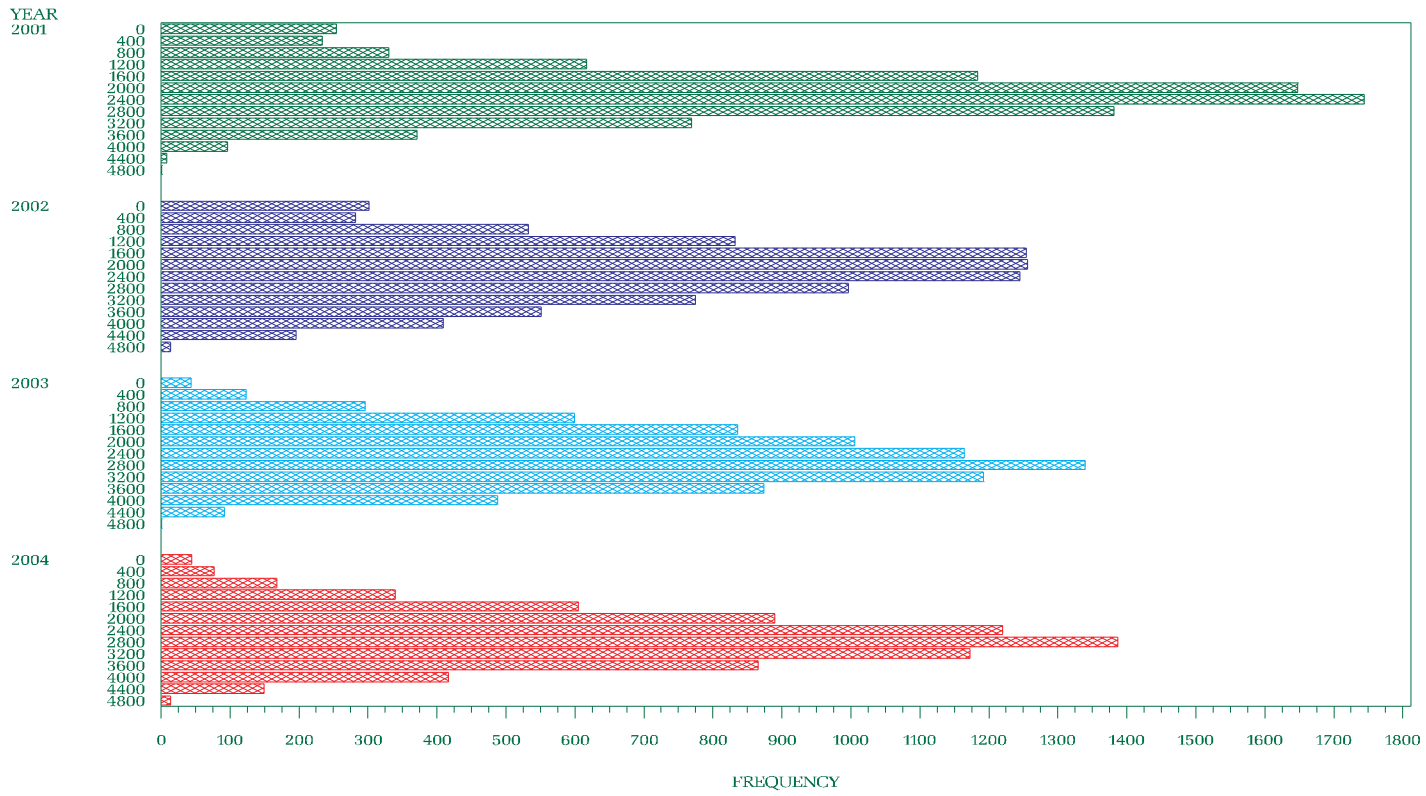
NYISO Frequency Interface Flow For January – December 2004

WEST CENTRAL (CLOSED)

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	45	45	0.61	0.61
400	77	122	1.05	1.66
800	168	290	2.29	3.95
1200	340	630	4.63	8.57
1600	605	1235	8.23	16.80
2000	890	2125	12.11	28.91
2400	1220	3345	16.60	45.50
2800	1387	4732	18.87	64.37
3200	1173	5905	15.96	80.33
3600	866	6771	11.78	92.11
4000	417	7188	5.67	97.78
4400	149	7337	2.03	99.81
4800	14	7351	0.19	100.00

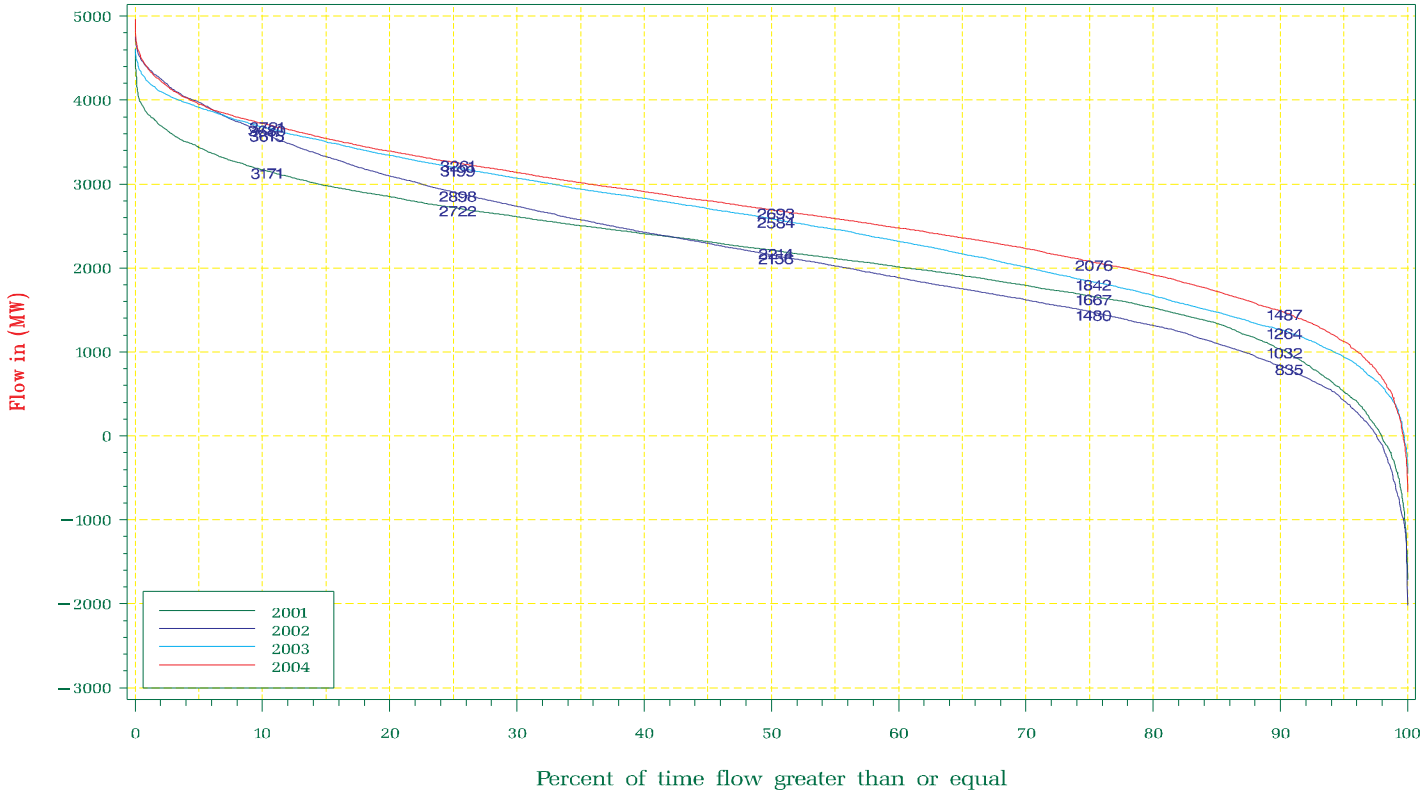
NYISO Frequency Interface Flow For January 2001 – December 2004

WEST CENTRAL (CLOSED)



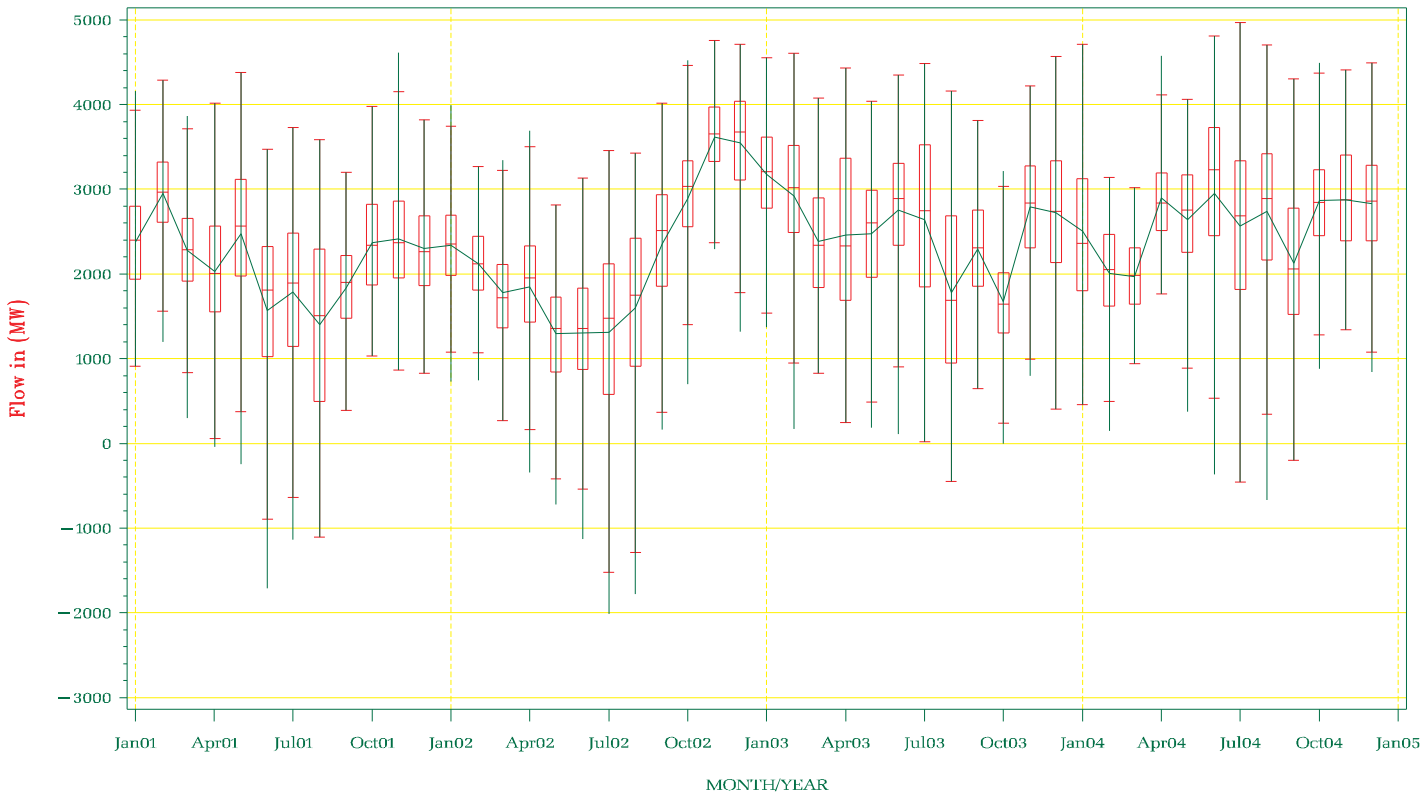
NYISO Percent of time Interface Flow For January 2001 – December 2004

WEST CENTRAL (CLOSED)



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

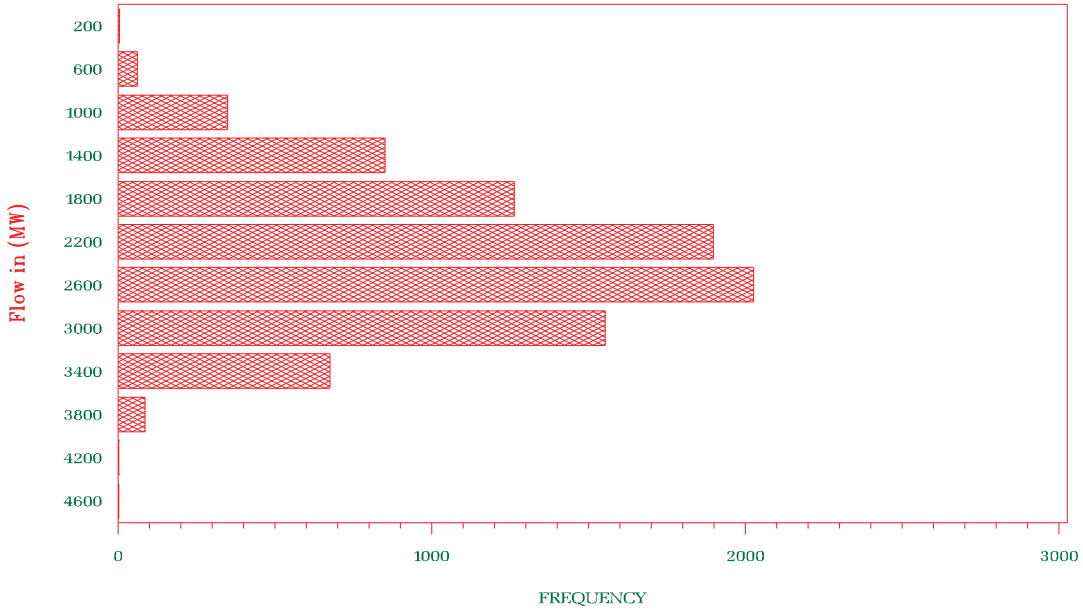
WEST CENTRAL (CLOSED)



NYISO Frequency Interface Flow For January – December 2004

UPNY – CONED

Capital/Mid Hudson – Westchester

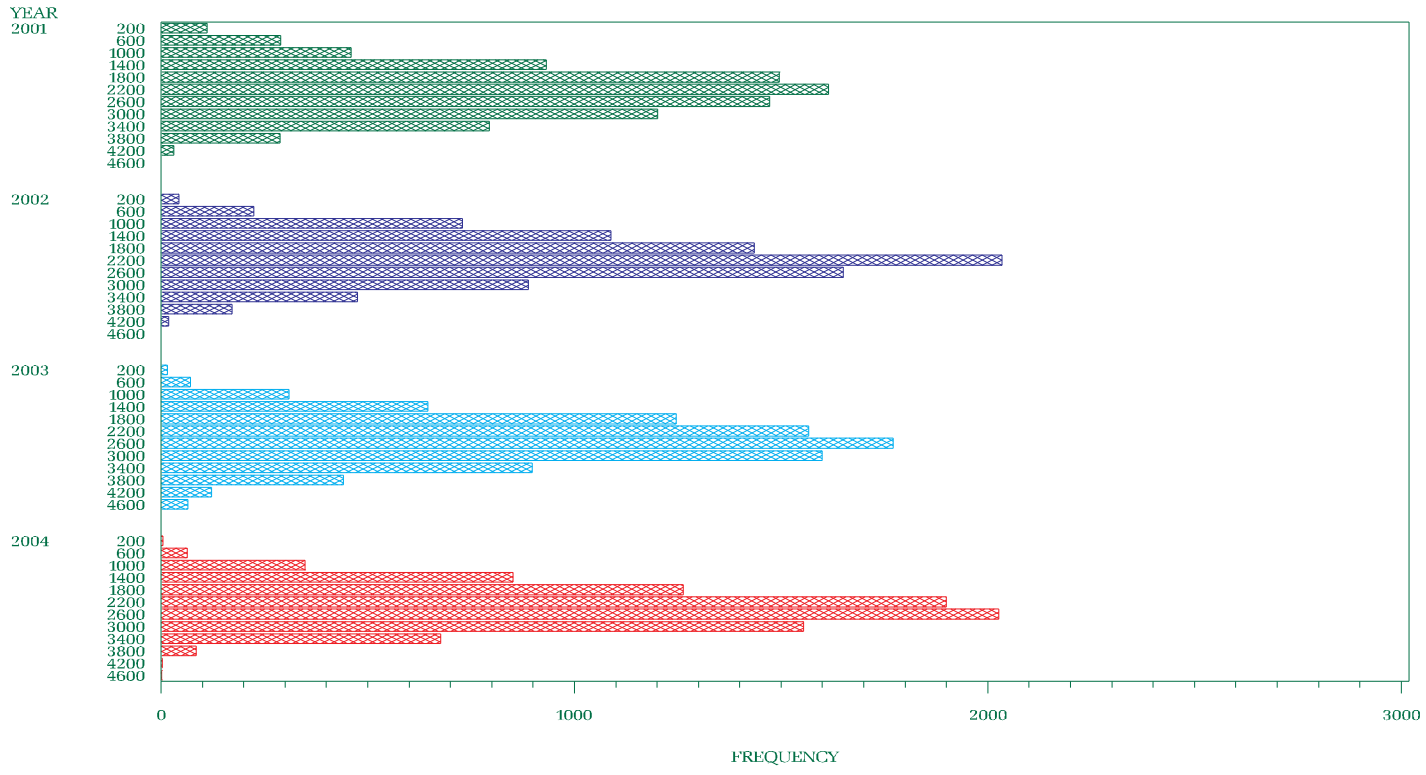


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
200	5	5	0.06	0.06
600	63	68	0.72	0.77
1000	349	417	3.97	4.75
1400	852	1269	9.70	14.45
1800	1264	2533	14.40	28.85
2200	1899	4432	21.63	50.48
2600	2026	6458	23.08	73.55
3000	1554	8012	17.70	91.25
3400	677	8689	7.71	98.96
3800	86	8775	0.98	99.94
4200	3	8778	0.03	99.98
4600	2	8780	0.02	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

UPNY – CONED

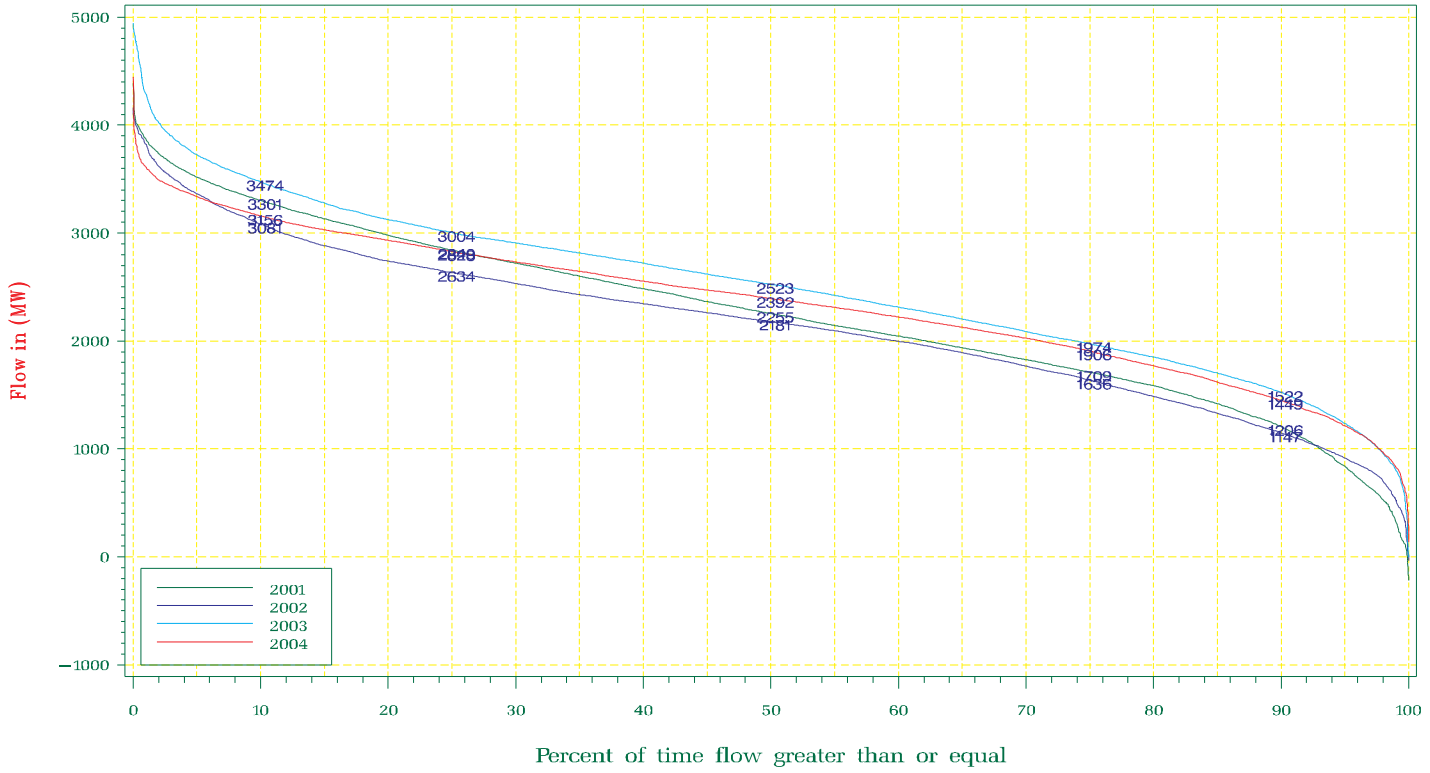
Capital/Mid Hudson – Westchester



NYISO Percent of time Interface Flow For January 2001 – December 2004

UPNY – CONED

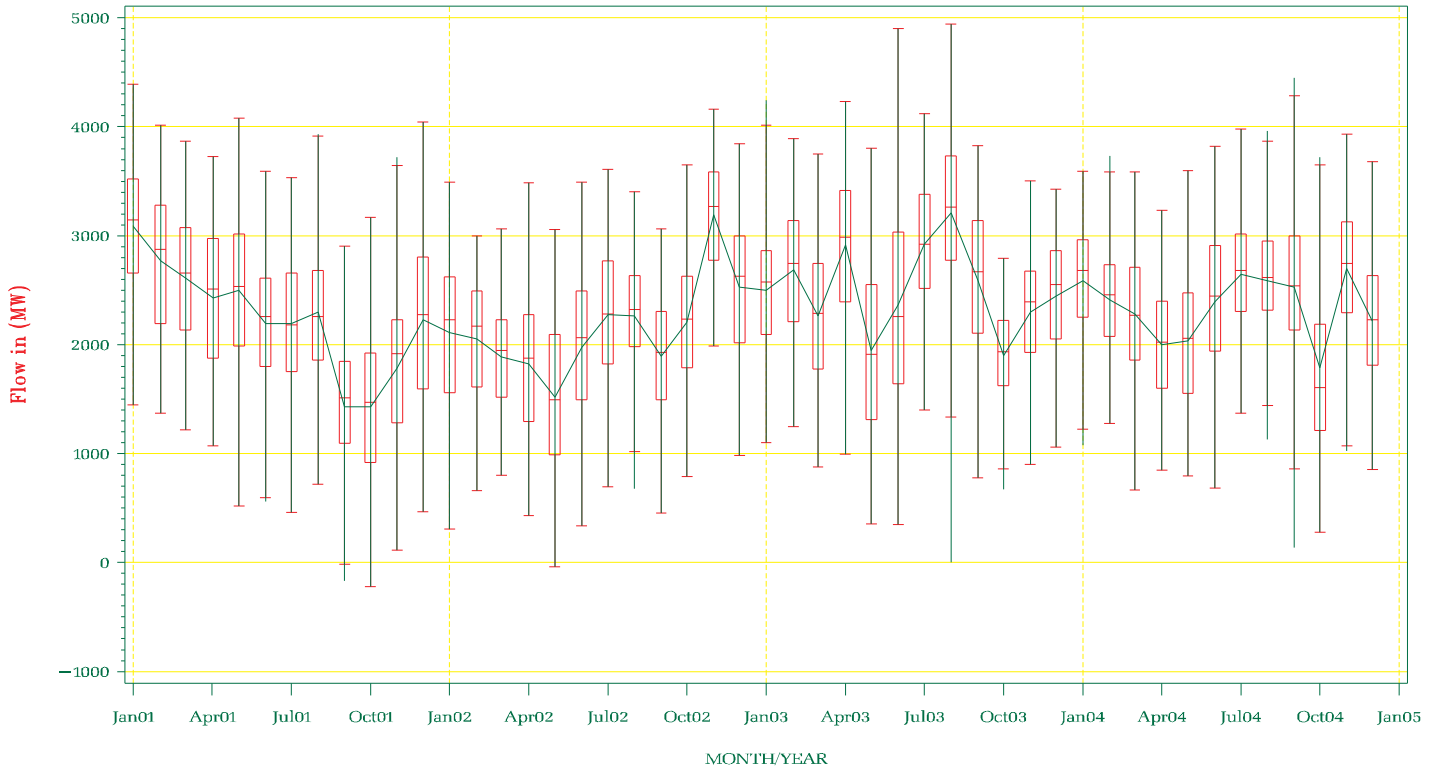
Capital/Mid Hudson – Westchester



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

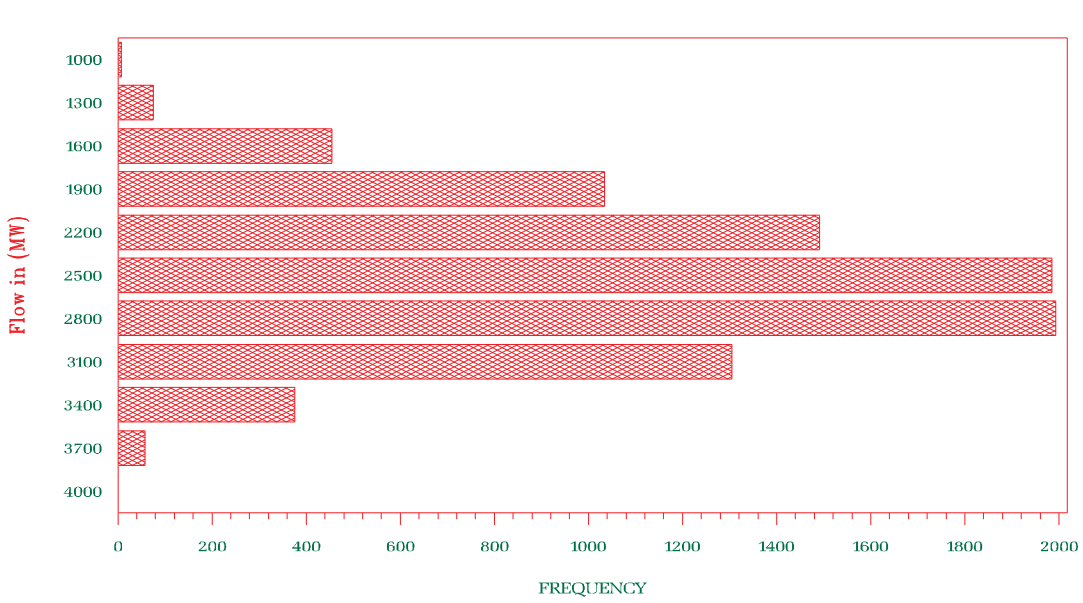
UPNY – CONED

Capital/Mid Hudson – Westchester



NYISO Frequency Interface Flow For January – December 2004

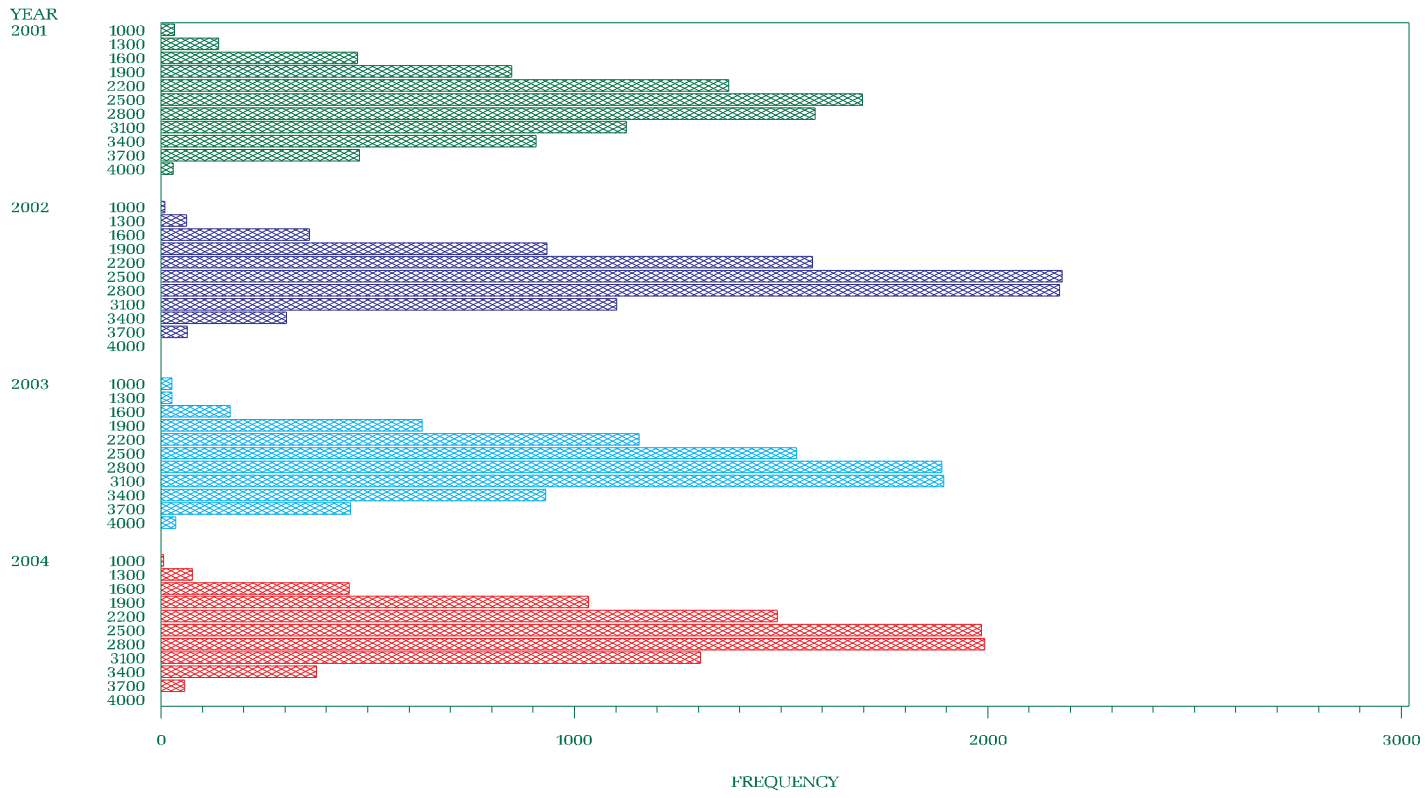
SPRAINBROOK – DUNWOODIE SOUTH



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	7	7	0.08	0.08
1300	76	83	0.87	0.95
1600	455	538	5.18	6.13
1900	1034	1572	11.78	17.90
2200	1491	3063	16.98	34.89
2500	1985	5048	22.61	57.49
2800	1993	7041	22.70	80.19
3100	1305	8346	14.86	95.06
3400	376	8722	4.28	99.34
3700	58	8780	0.66	100.00
4000	0	8780	0.00	100.00

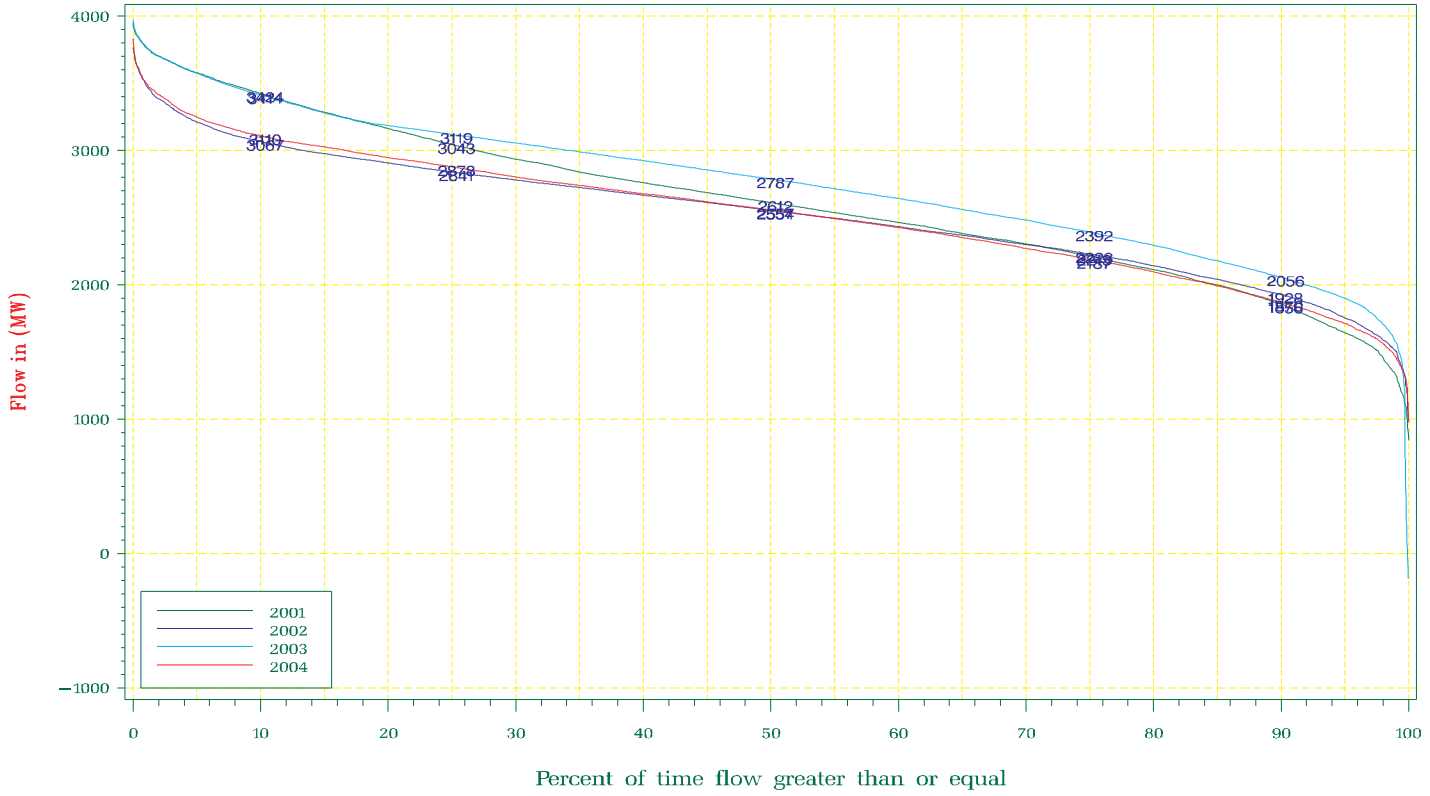
NYISO Frequency Interface Flow For January 2001 – December 2004

SPRAINBROOK – DUNWOODIE SOUTH



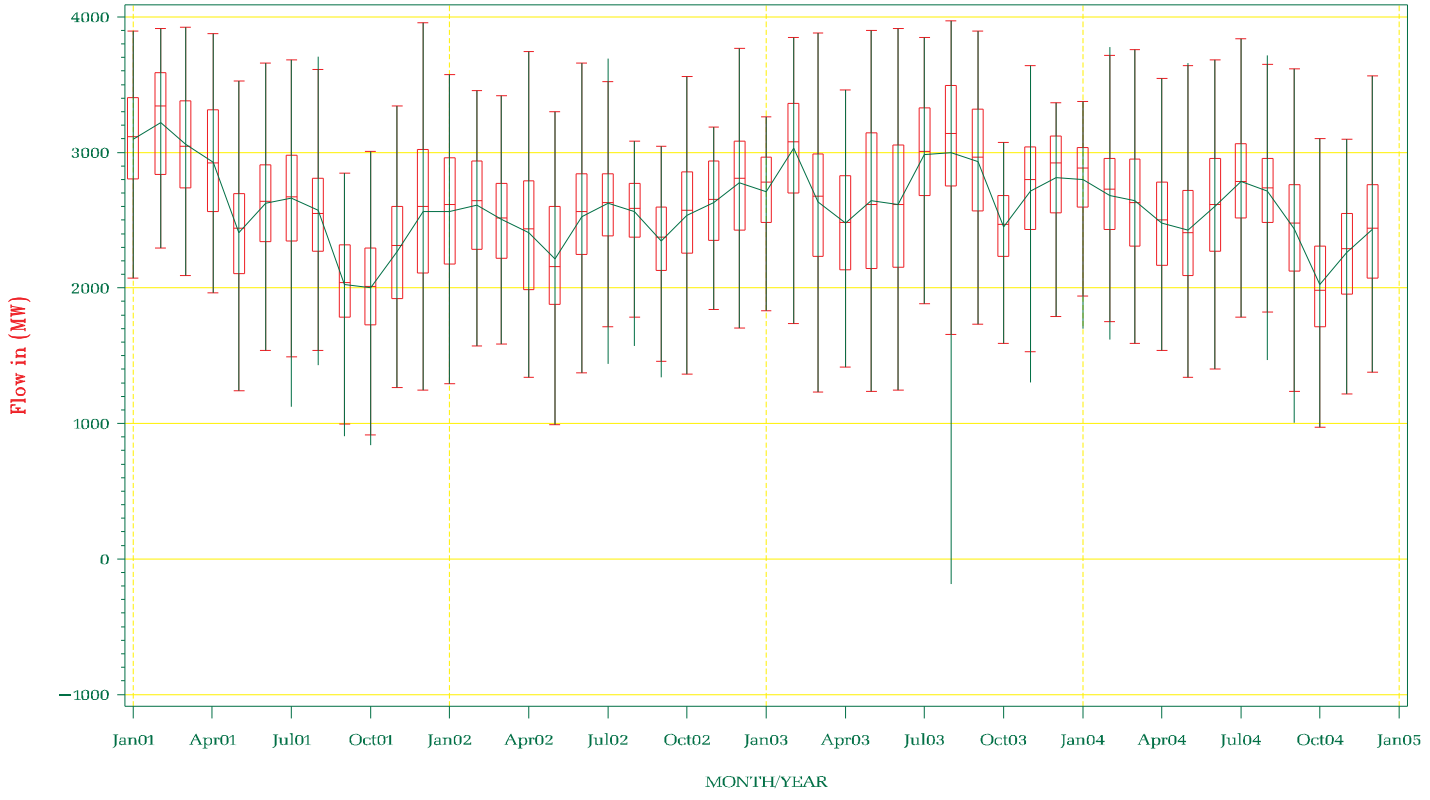
NYISO Percent of time Interface Flow For January 2001 – December 2004

SPRAINBROOK – DUNWOODIE SOUTH



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

SPRAINBROOK – DUNWOODIE SOUTH



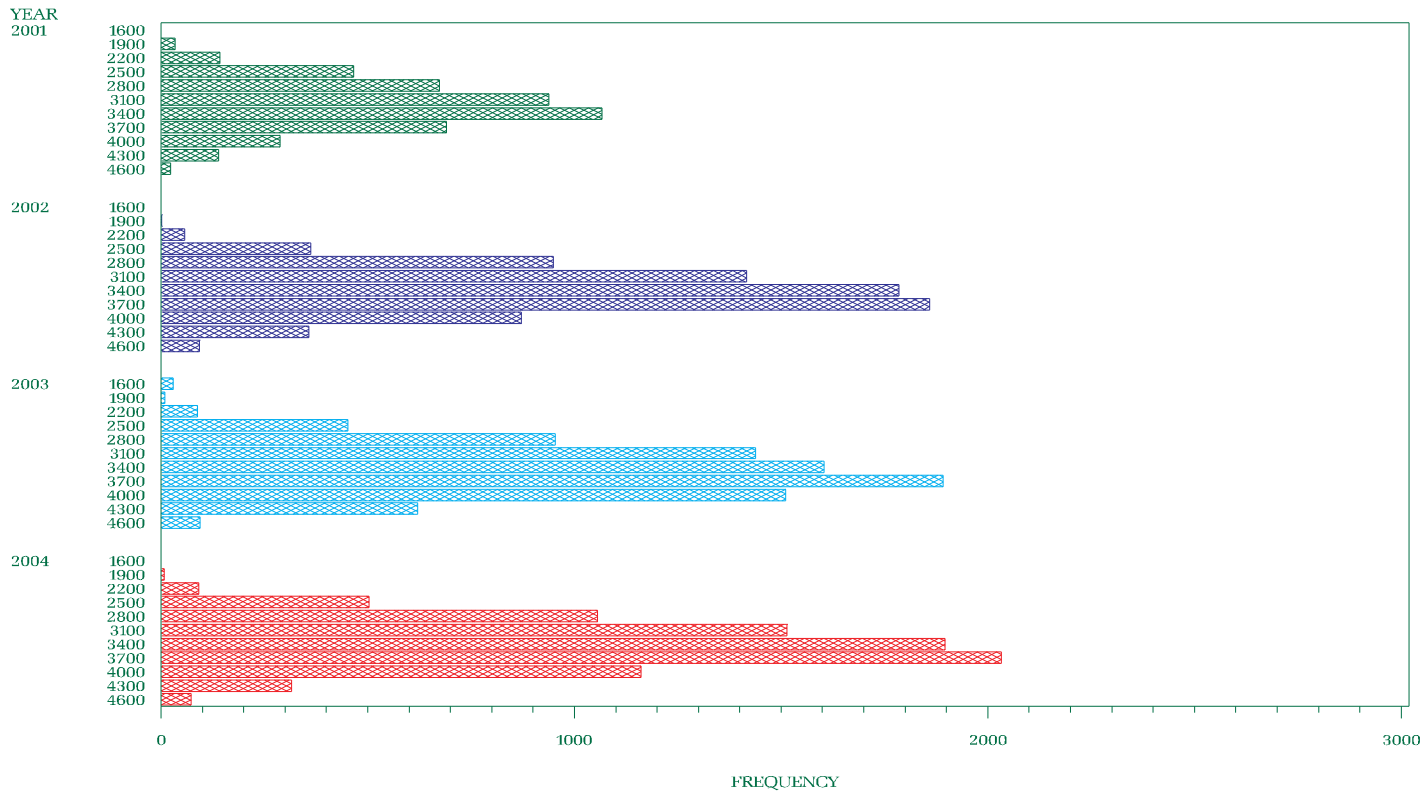
NYISO Frequency Interface Flow For January – December 2004

SPRAINBROOK – DUNWOODIE SOUTH (Closed)

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1600	0	0	0.00	0.00
1900	8	8	0.09	0.09
2200	92	100	1.06	1.16
2500	503	603	5.81	6.97
2800	1056	1659	12.21	19.17
3100	1514	3173	17.50	36.67
3400	1897	5070	21.93	58.60
3700	2032	7102	23.49	82.09
4000	1161	8263	13.42	95.50
4300	316	8579	3.65	99.16
4600	73	8652	0.84	100.00

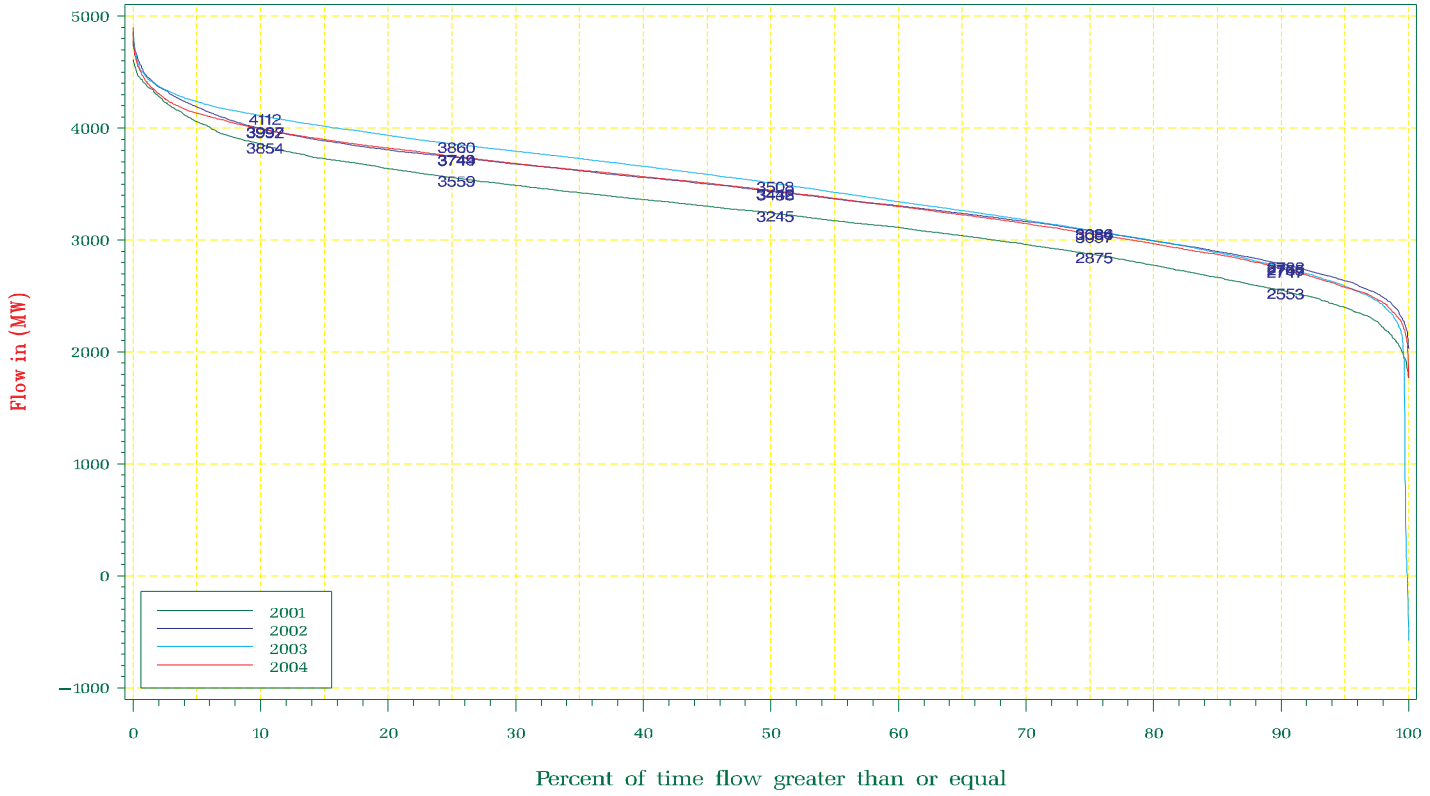
NYISO Frequency Interface Flow For January 2001 – December 2004

SPRAINBROOK – DUNWOODIE SOUTH (Closed)



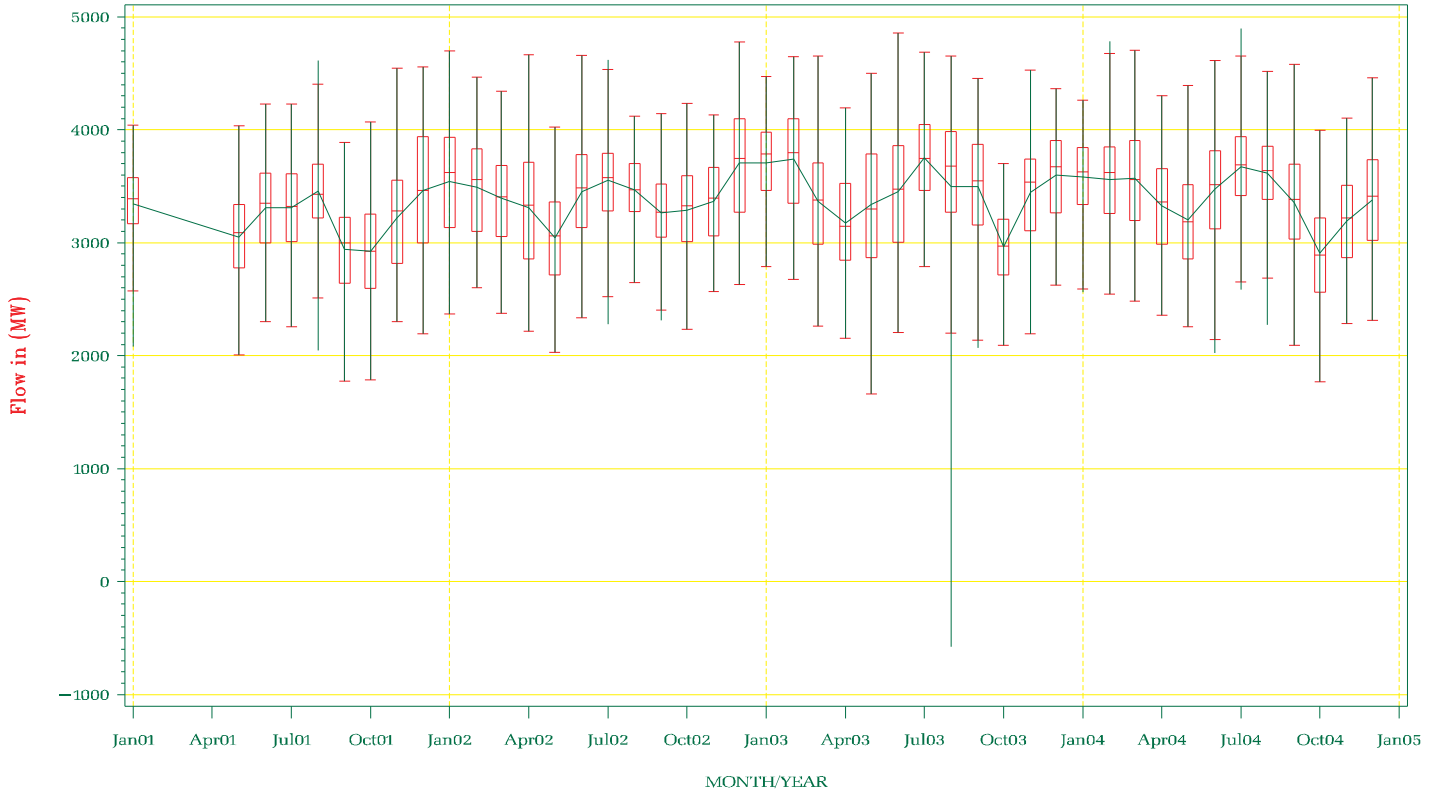
NYISO Percent of time Interface Flow For January 2001 – December 2004

SPRAINBROOK – DUNWOODIE SOUTH (Closed)



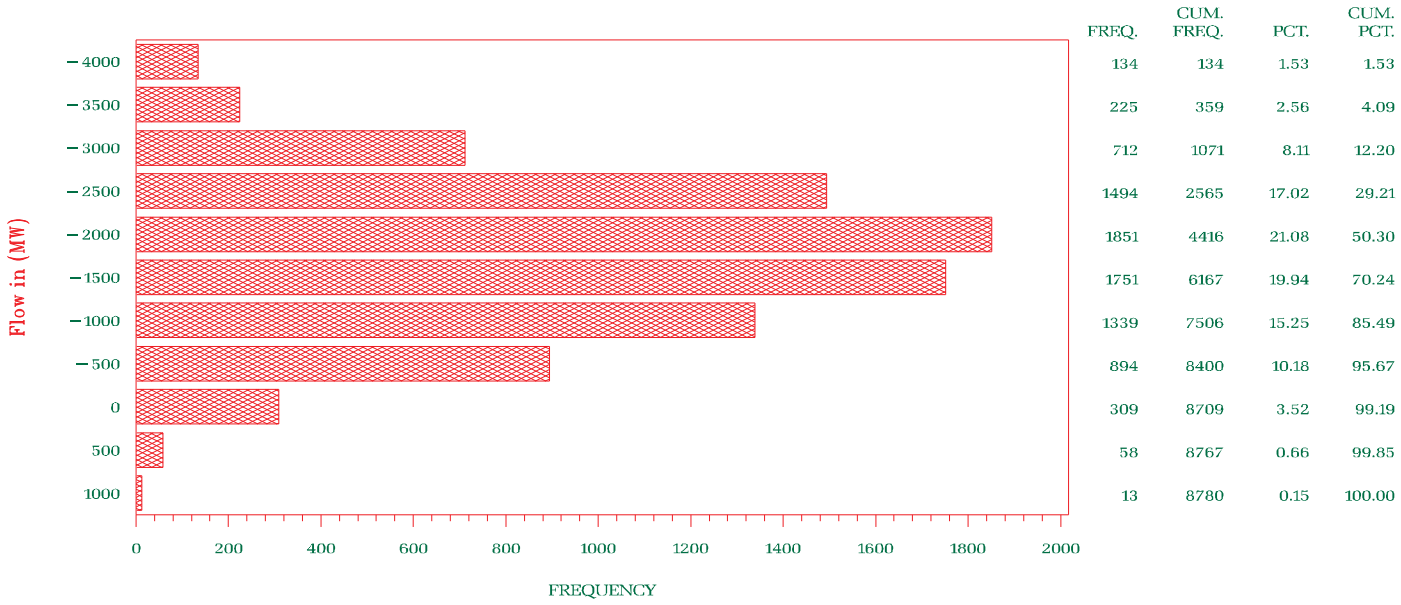
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

SPRAINBROOK – DUNWOODIE SOUTH (Closed)



NYISO Frequency Interface Flow For January – December 2004

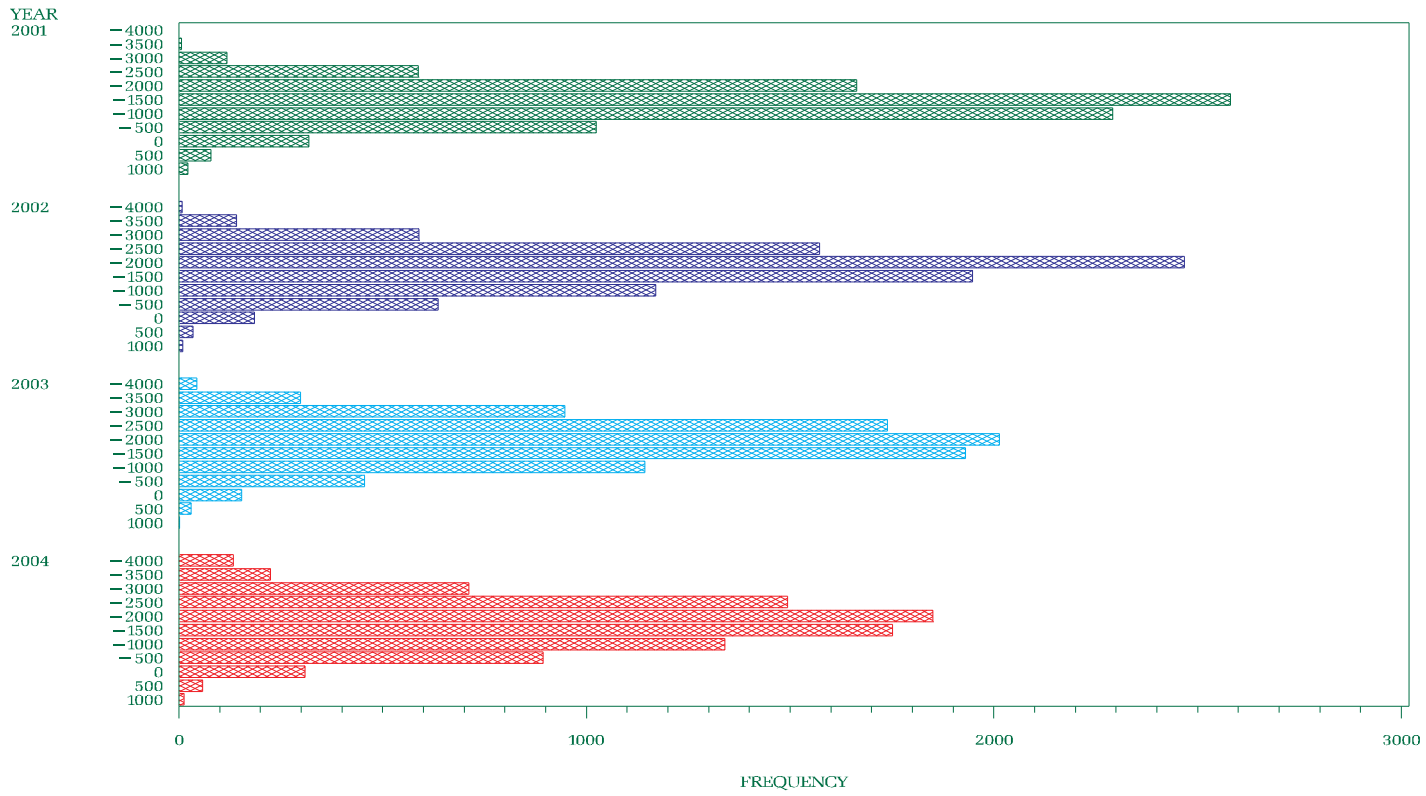
NY EXPORT



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
4000	134	134	1.53	1.53
3500	225	359	2.56	4.09
3000	712	1071	8.11	12.20
2500	1494	2565	17.02	29.21
2000	1851	4416	21.08	50.30
1500	1751	6167	19.94	70.24
1000	1339	7506	15.25	85.49
500	894	8400	10.18	95.67
0	309	8709	3.52	99.19
500	58	8767	0.66	99.85
1000	13	8780	0.15	100.00

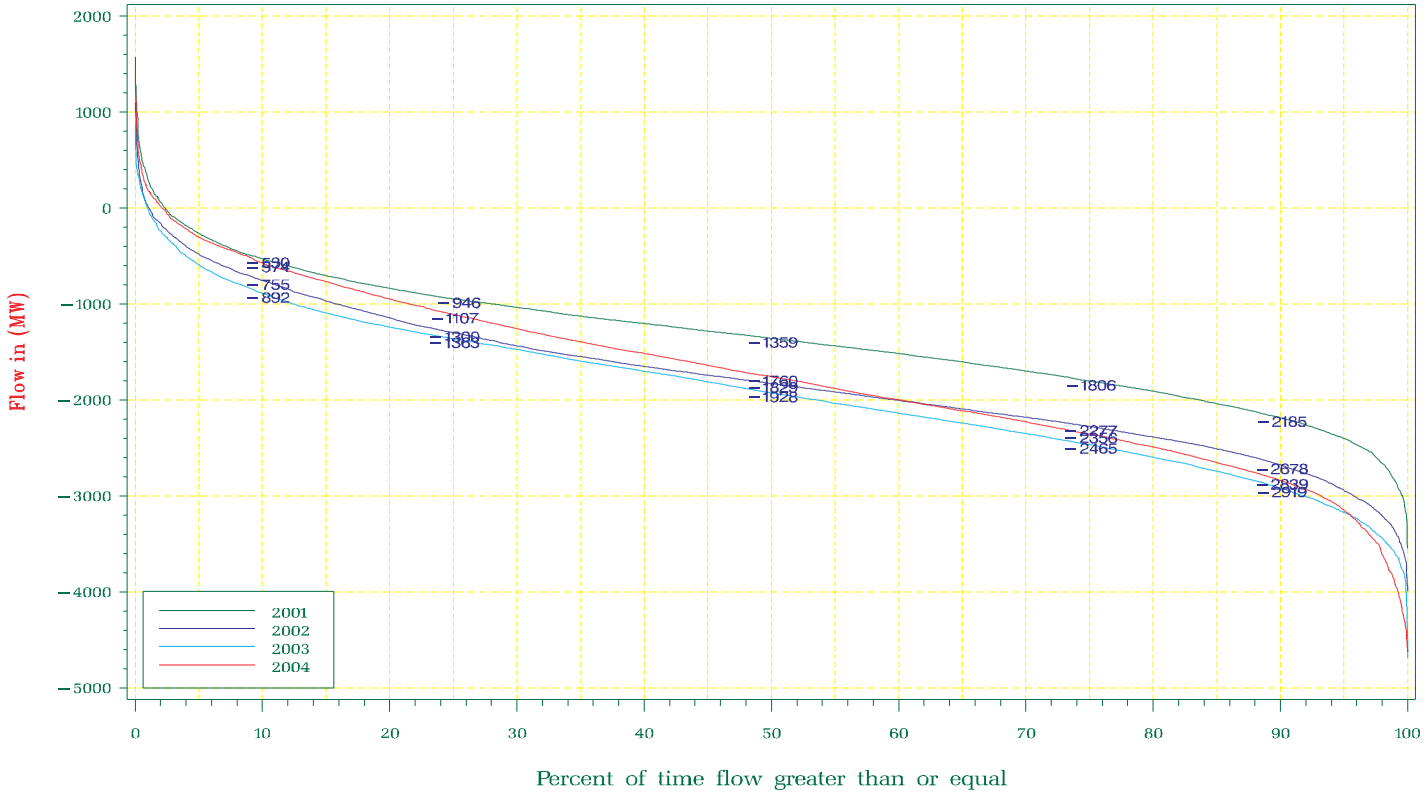
NYISO Frequency Interface Flow For January 2001 – December 2004

NY EXPORT



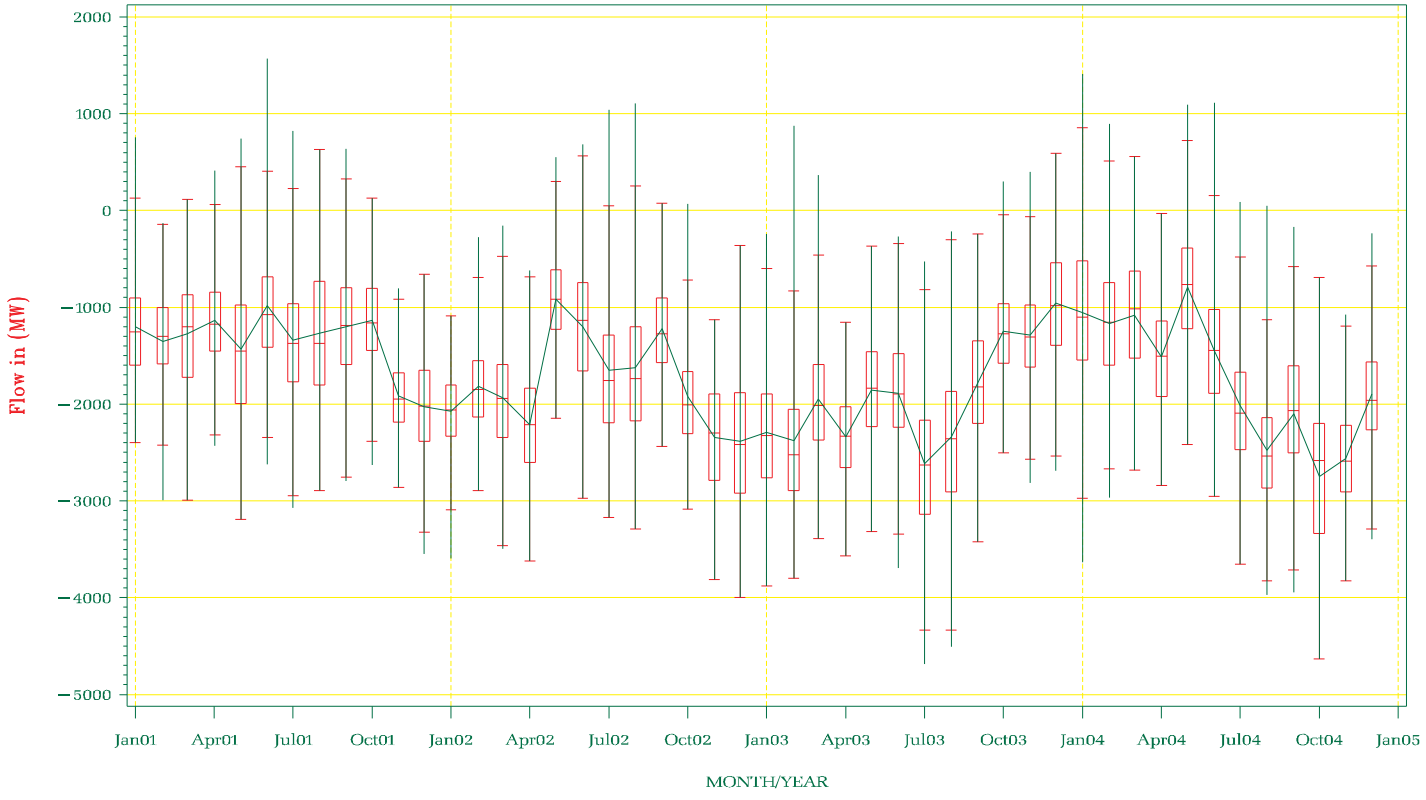
NYISO Percent of time Interface Flow For January 2001 – December 2004

NY EXPORT



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

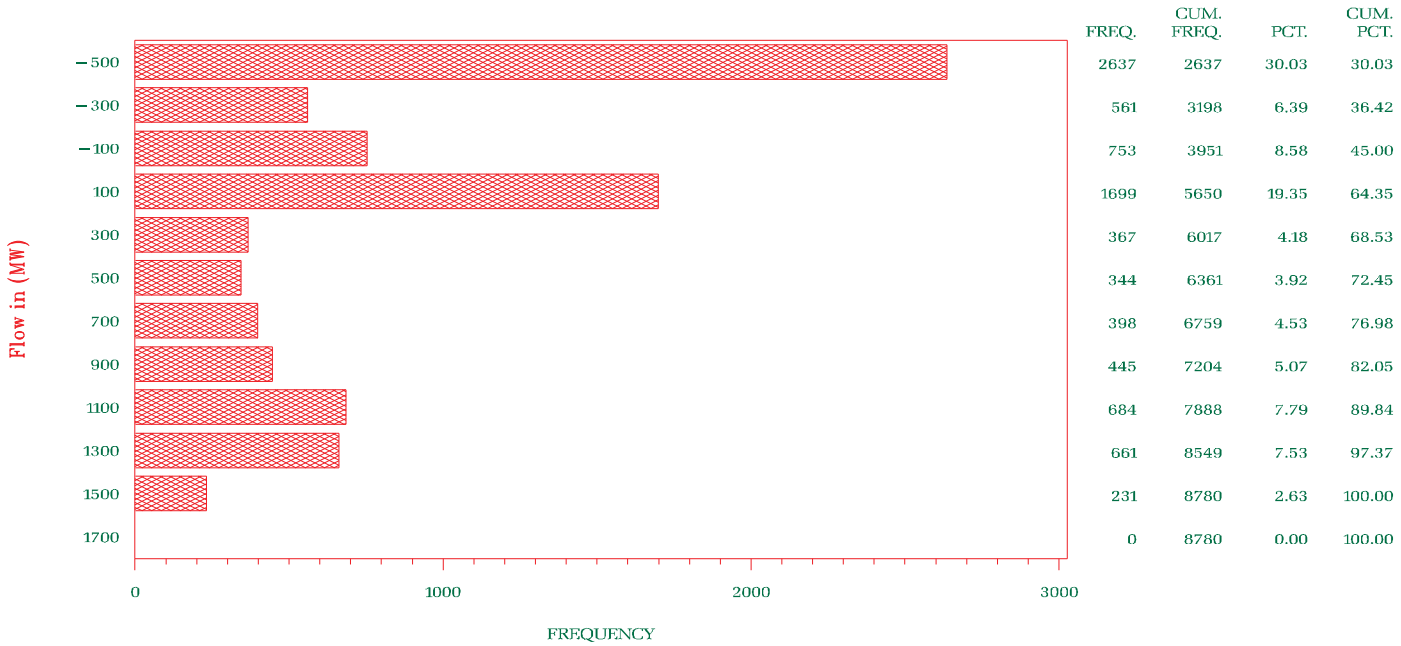
NY EXPORT



NYISO Frequency Interface Flow For January – December 2004

TE – NY SCHEDULE

Chateauguay – Massena

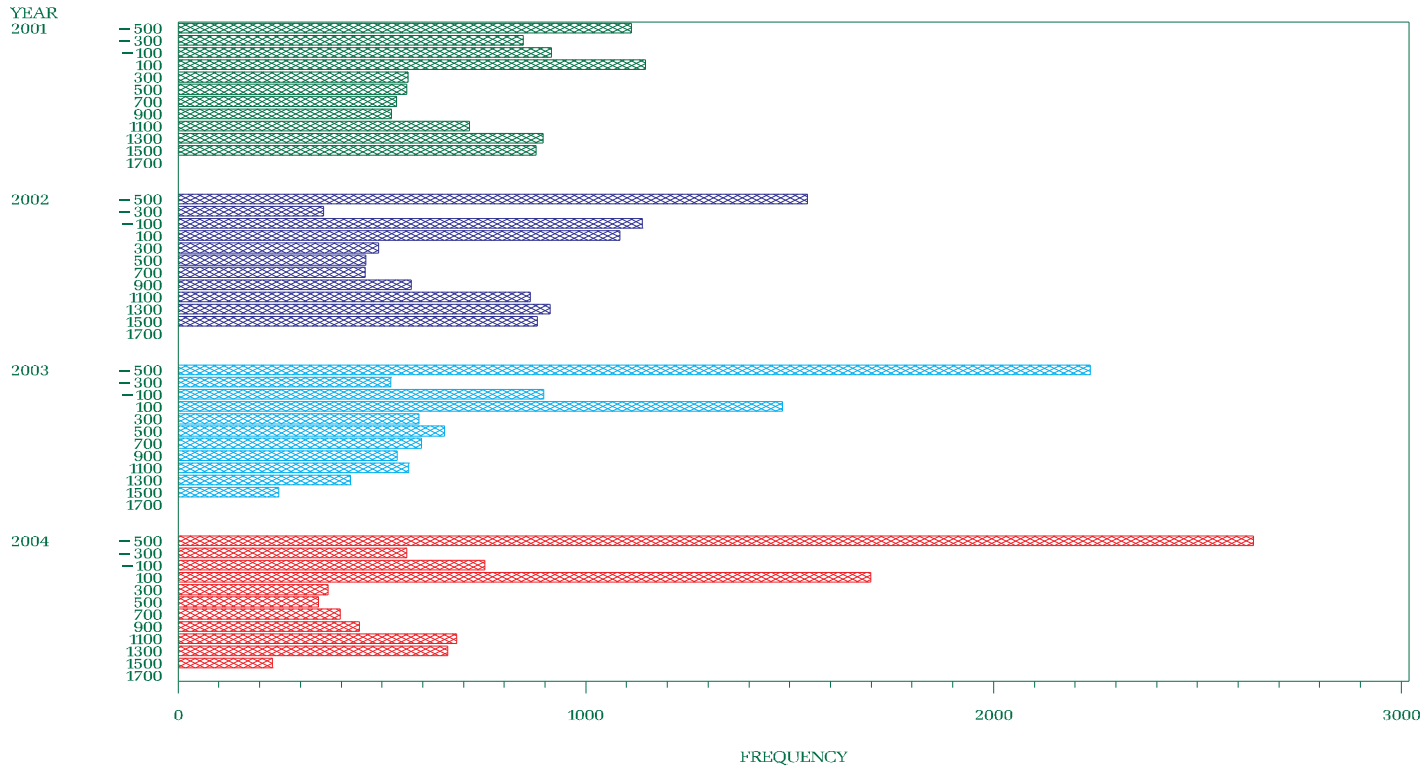


Flow in (MW)	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-500	2637	2637	30.03	30.03
-300	561	3198	6.39	36.42
-100	753	3951	8.58	45.00
100	1699	5650	19.35	64.35
300	367	6017	4.18	68.53
500	344	6361	3.92	72.45
700	398	6759	4.53	76.98
900	445	7204	5.07	82.05
1100	684	7888	7.79	89.84
1300	661	8549	7.53	97.37
1500	231	8780	2.63	100.00
1700	0	8780	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

TE – NY SCHEDULE

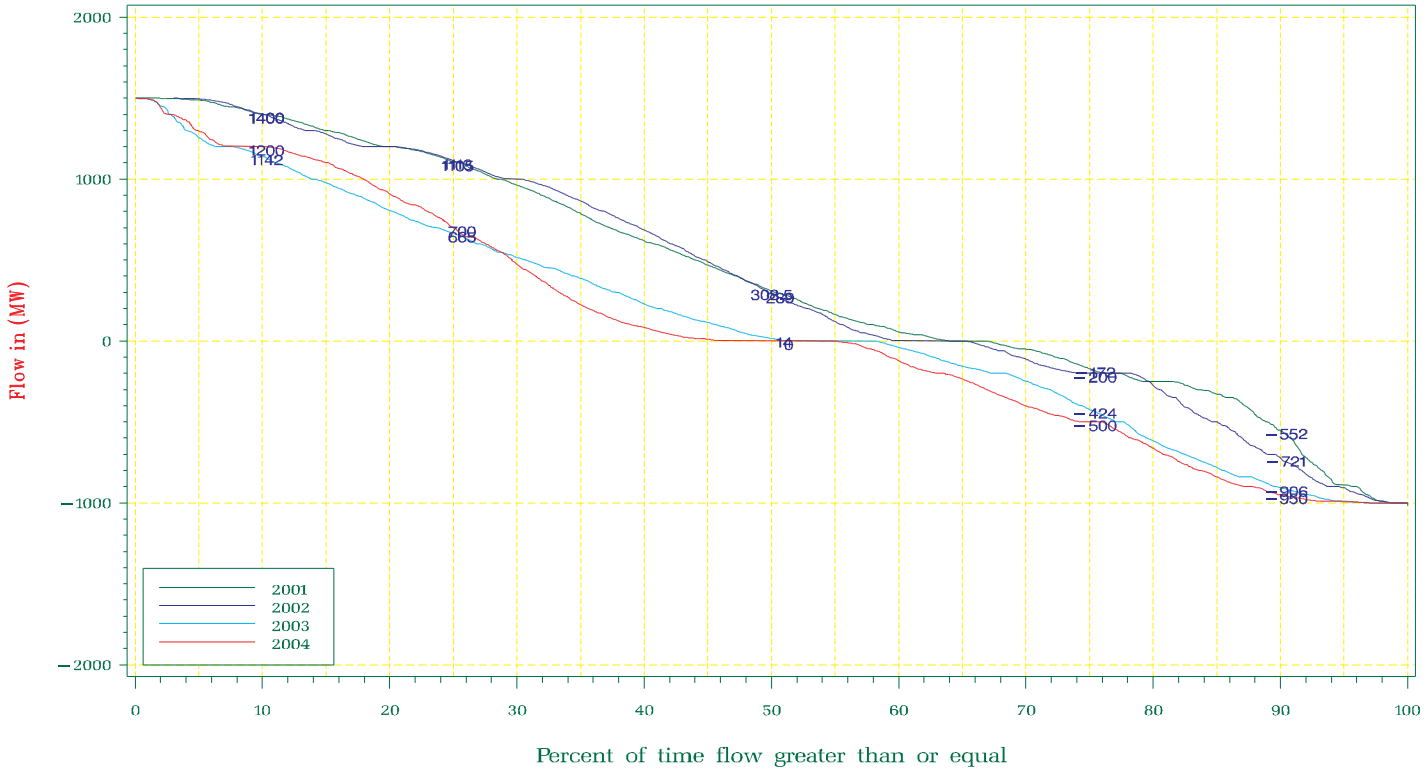
Chateauguay – Massena



NYISO Percent of time Interface Flow For January 2001 – December 2004

TE – NY SCHEDULE

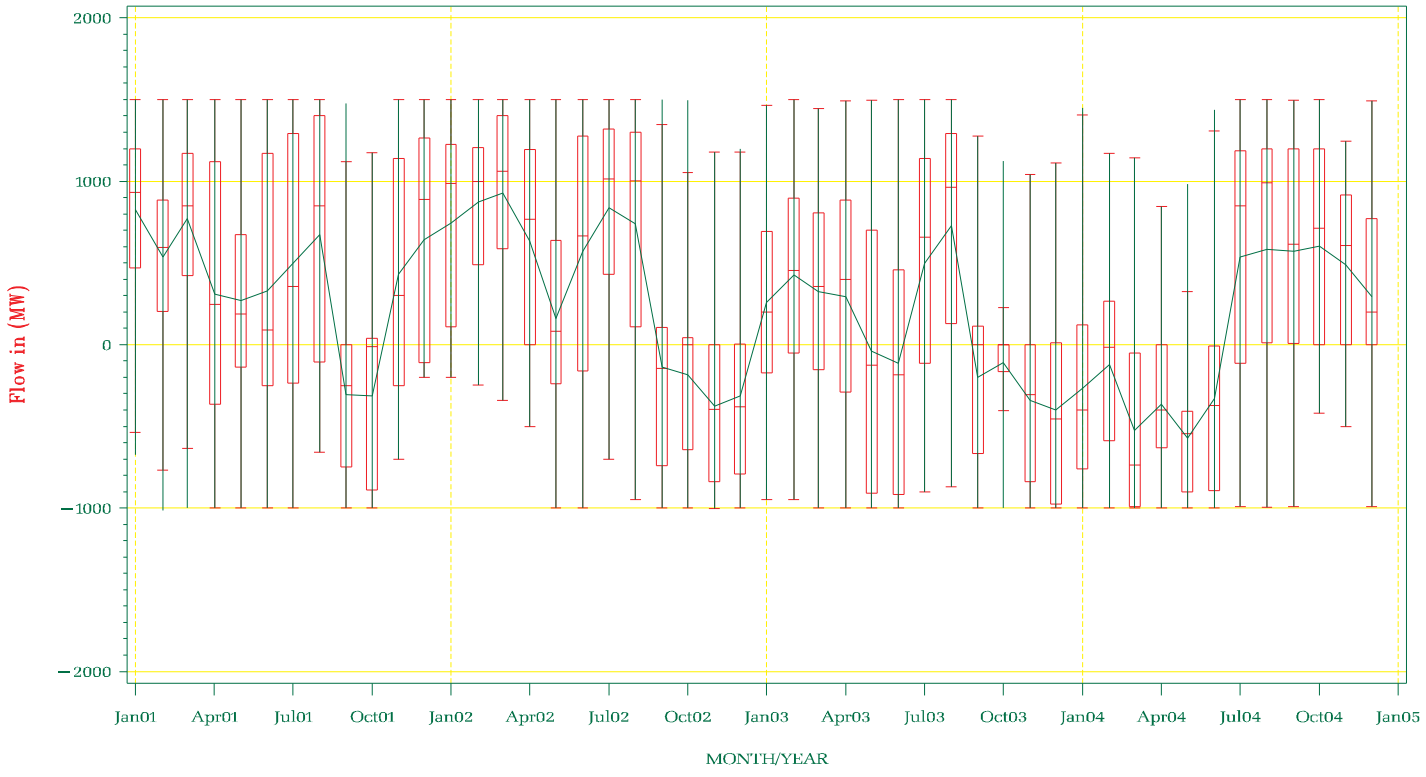
Chateauguay – Massena



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

TE – NY SCHEDULE

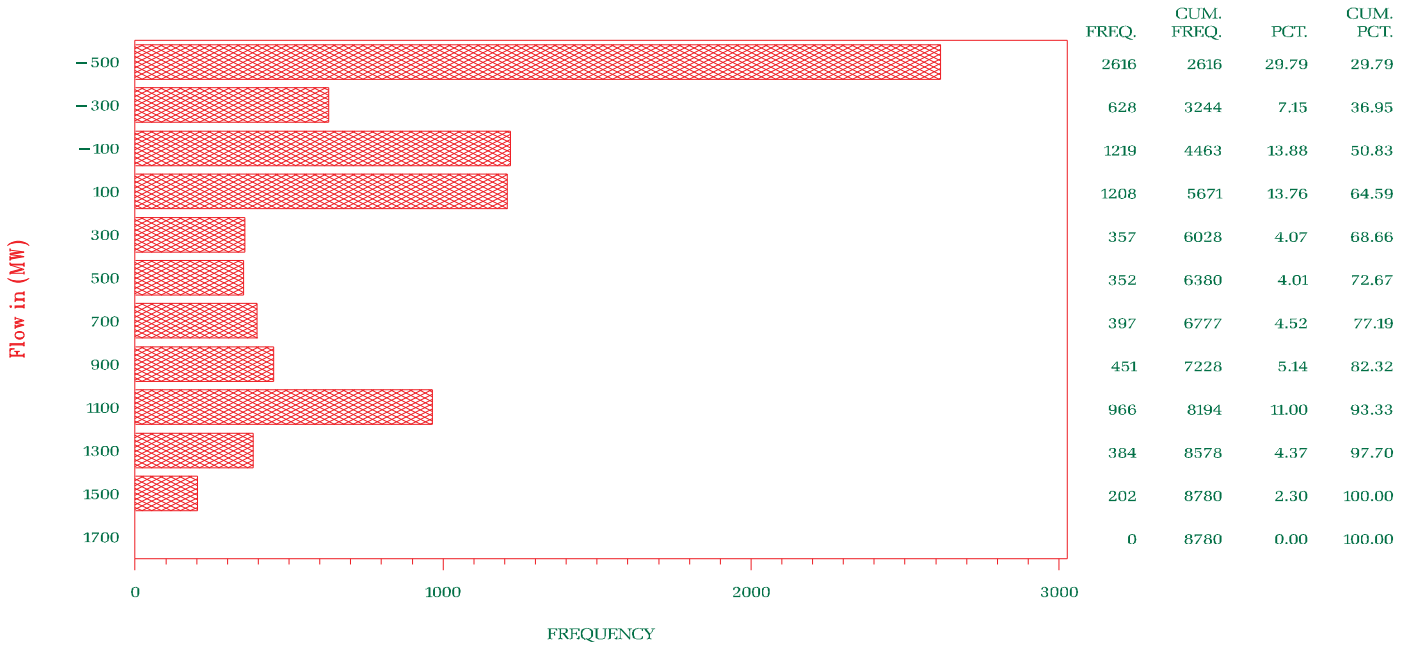
Chateauguay – Massena



NYISO Frequency Interface Flow For January – December 2004

TE – NY

Chateauguay – Massena

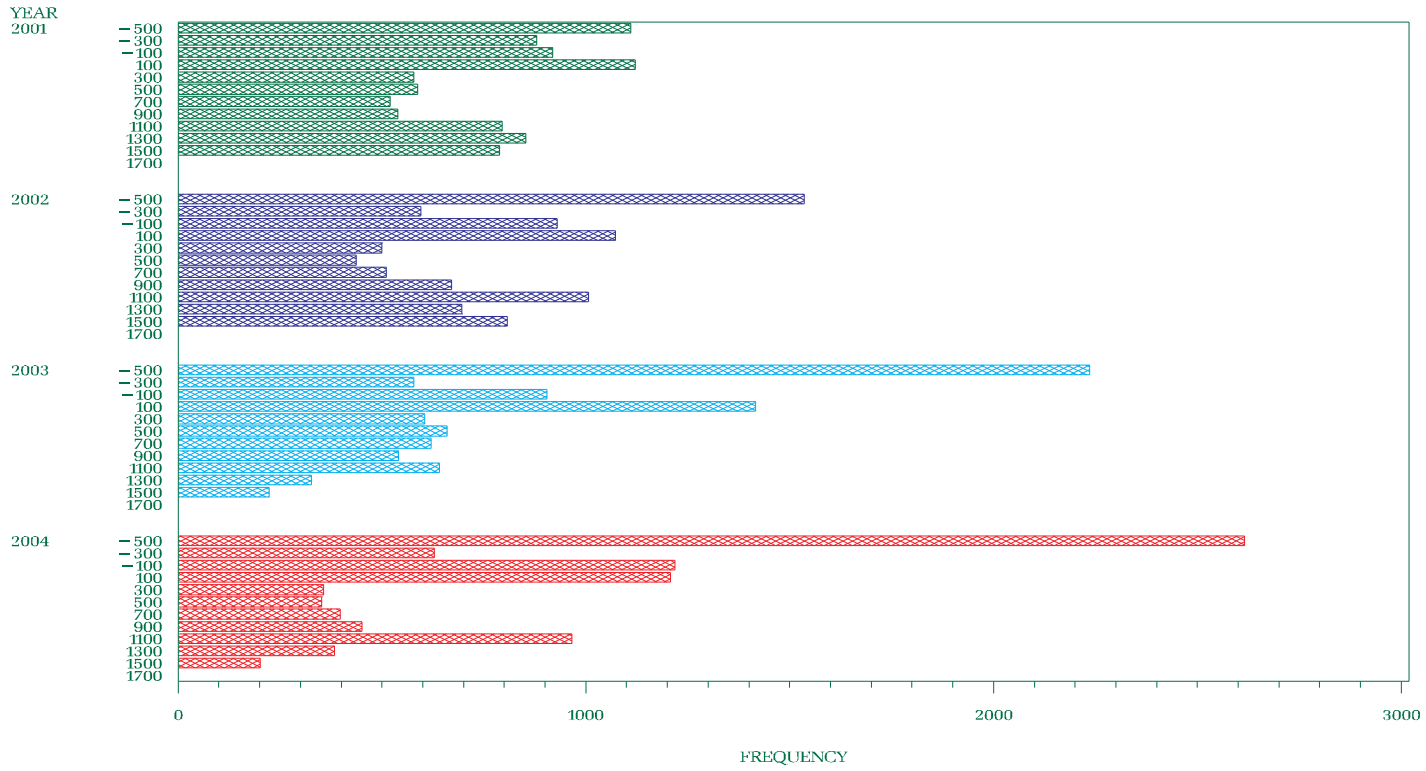


Flow in (MW)	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-500	2616	2616	29.79	29.79
-300	628	3244	7.15	36.95
-100	1219	4463	13.88	50.83
100	1208	5671	13.76	64.59
300	357	6028	4.07	68.66
500	352	6380	4.01	72.67
700	397	6777	4.52	77.19
900	451	7228	5.14	82.32
1100	966	8194	11.00	93.33
1300	384	8578	4.37	97.70
1500	202	8780	2.30	100.00
1700	0	8780	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

TE – NY

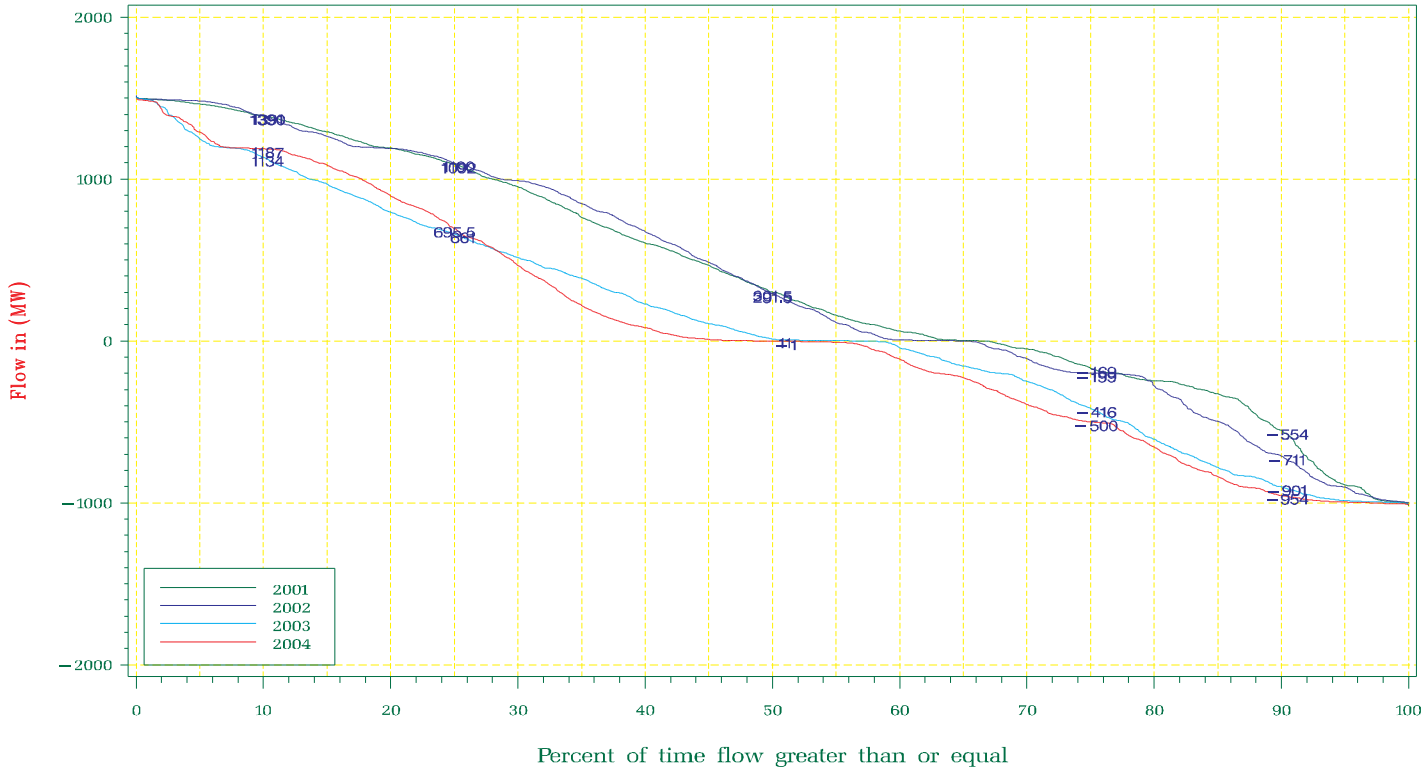
Chateauguay – Massena



NYISO Percent of time Interface Flow For January 2001 – December 2004

TE – NY

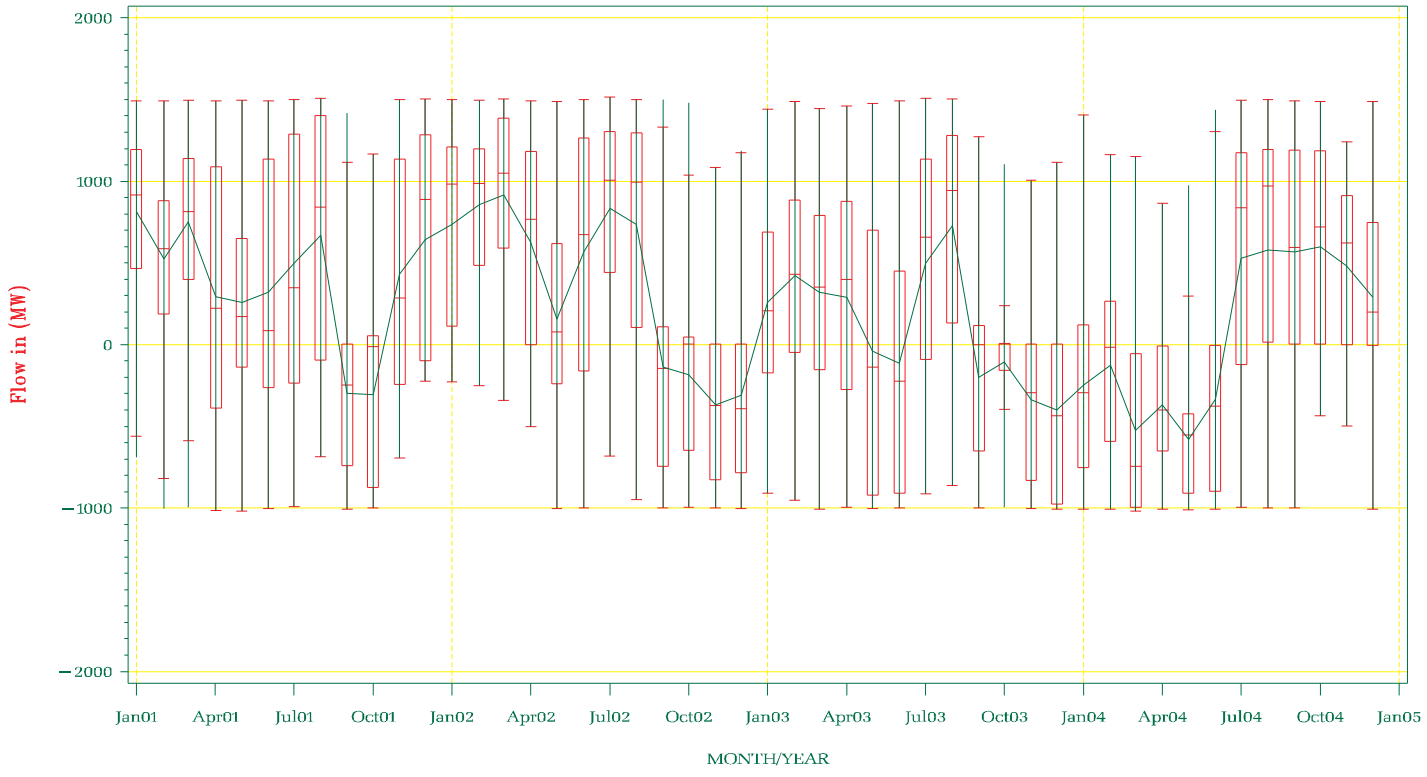
Chateauguay – Massena



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

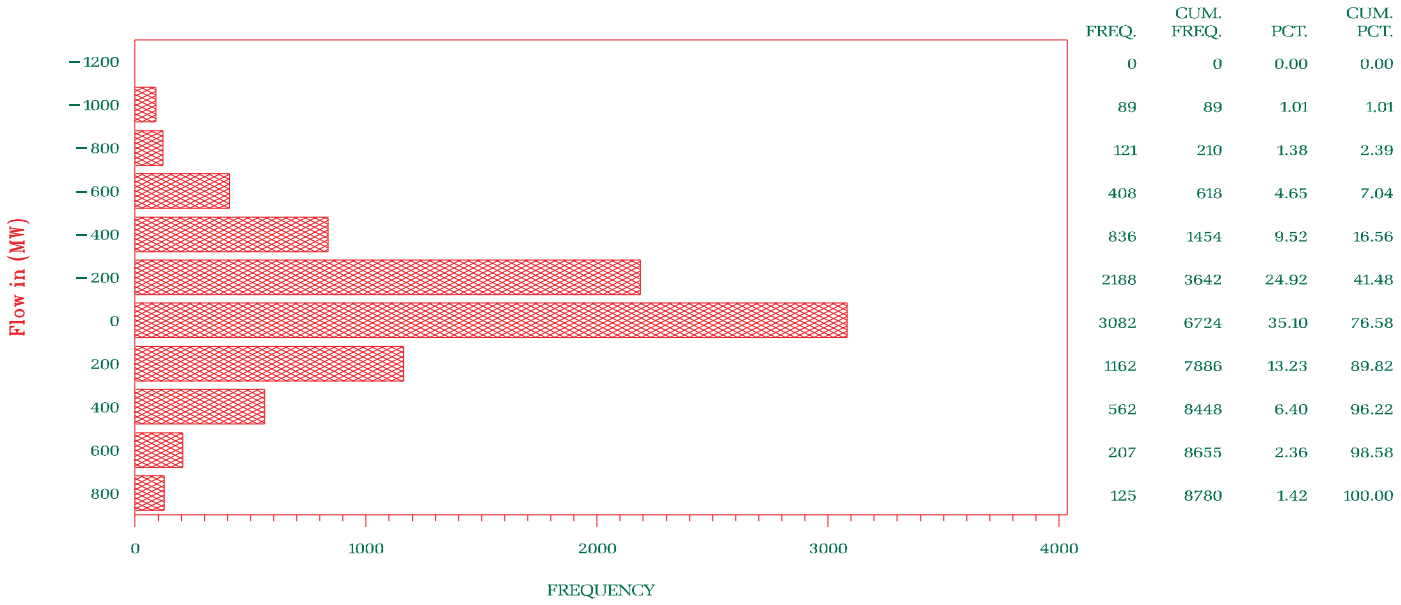
TE – NY

Chateauguay – Massena



NYISO Frequency Interface Flow For January – December 2004

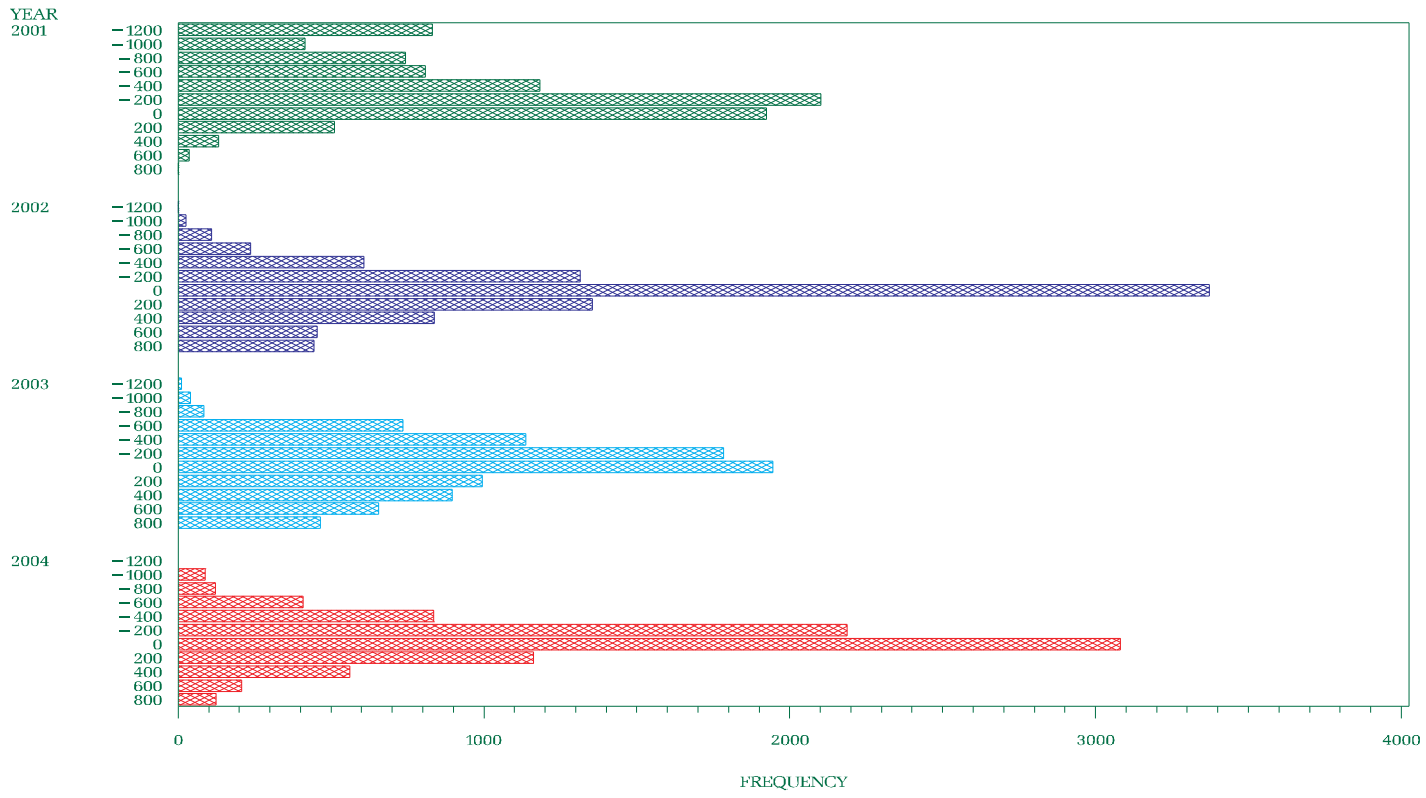
New England – NY SCHEDULE



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1200	0	0	0.00	0.00
1000	89	89	1.01	1.01
800	121	210	1.38	2.39
600	408	618	4.65	7.04
400	836	1454	9.52	16.56
200	2188	3642	24.92	41.48
0	3082	6724	35.10	76.58
200	1162	7886	13.23	89.82
400	562	8448	6.40	96.22
600	207	8655	2.36	98.58
800	125	8780	1.42	100.00

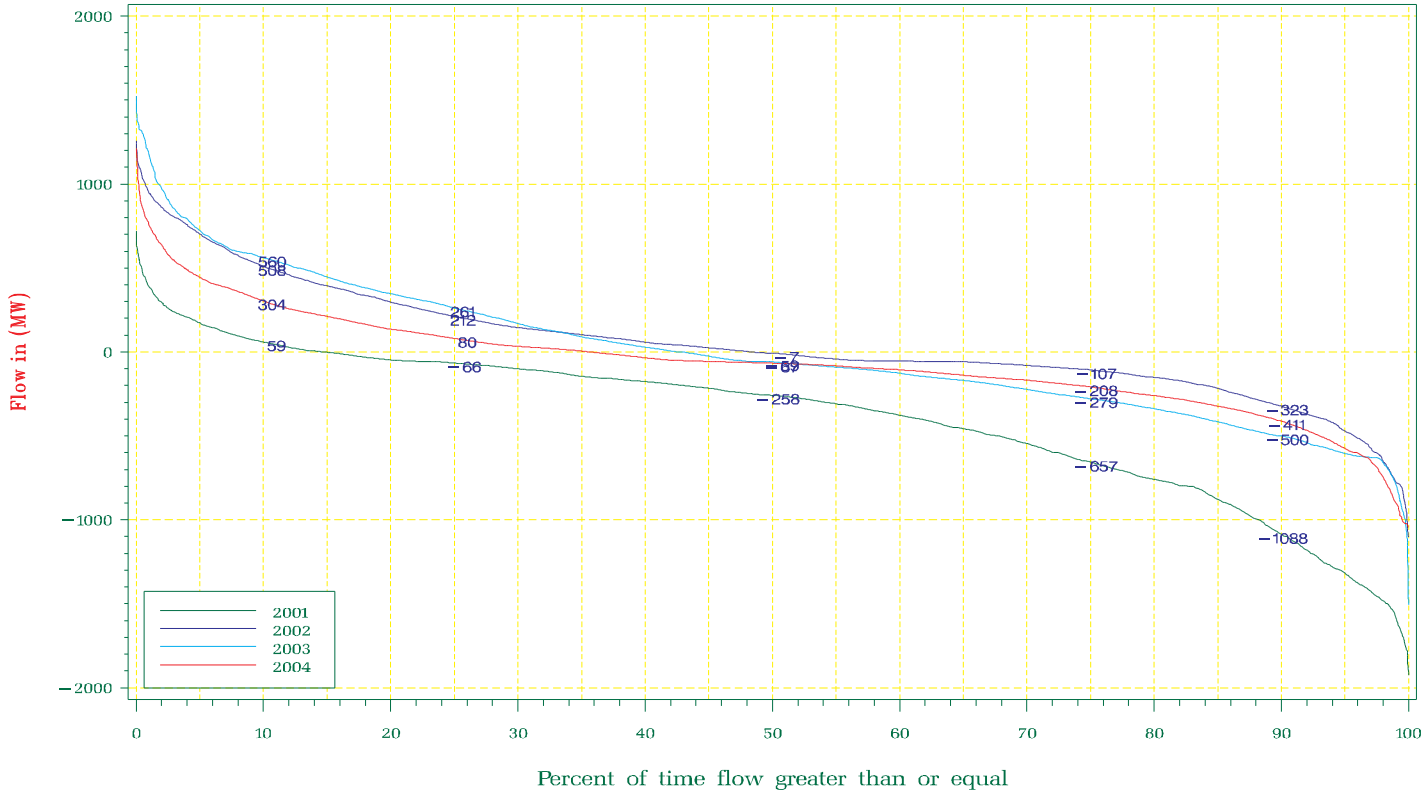
NYISO Frequency Interface Flow For January 2001 – December 2004

New England – NY SCHEDULE



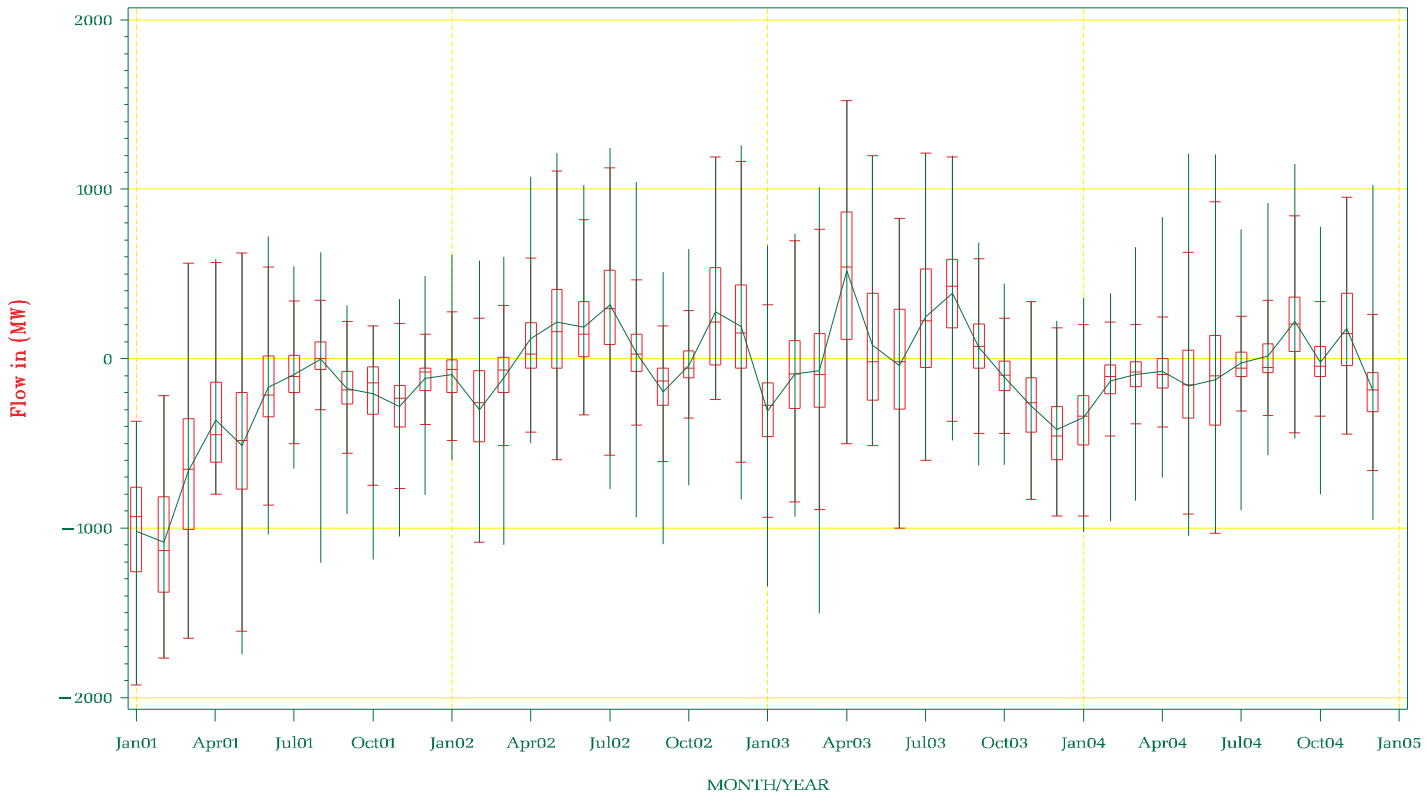
NYISO Percent of time Interface Flow For January 2001 – December 2004

New England – NY SCHEDULE



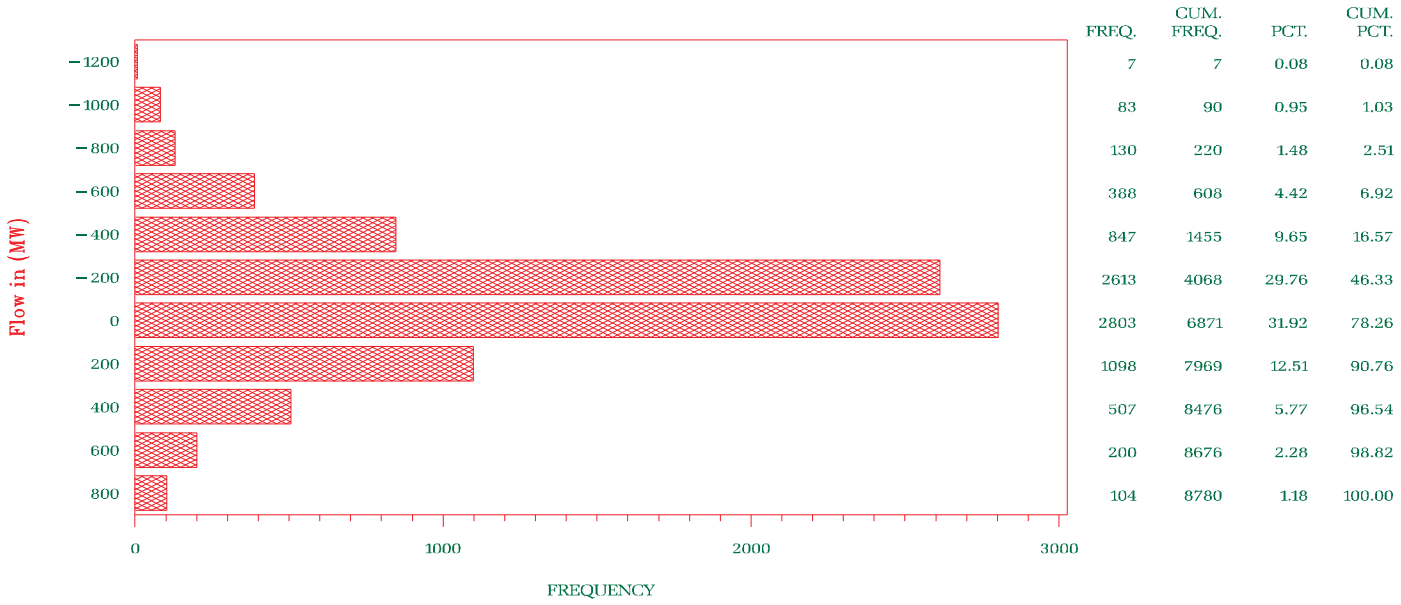
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

New England – NY SCHEDULE



NYISO Frequency Interface Flow For January – December 2004

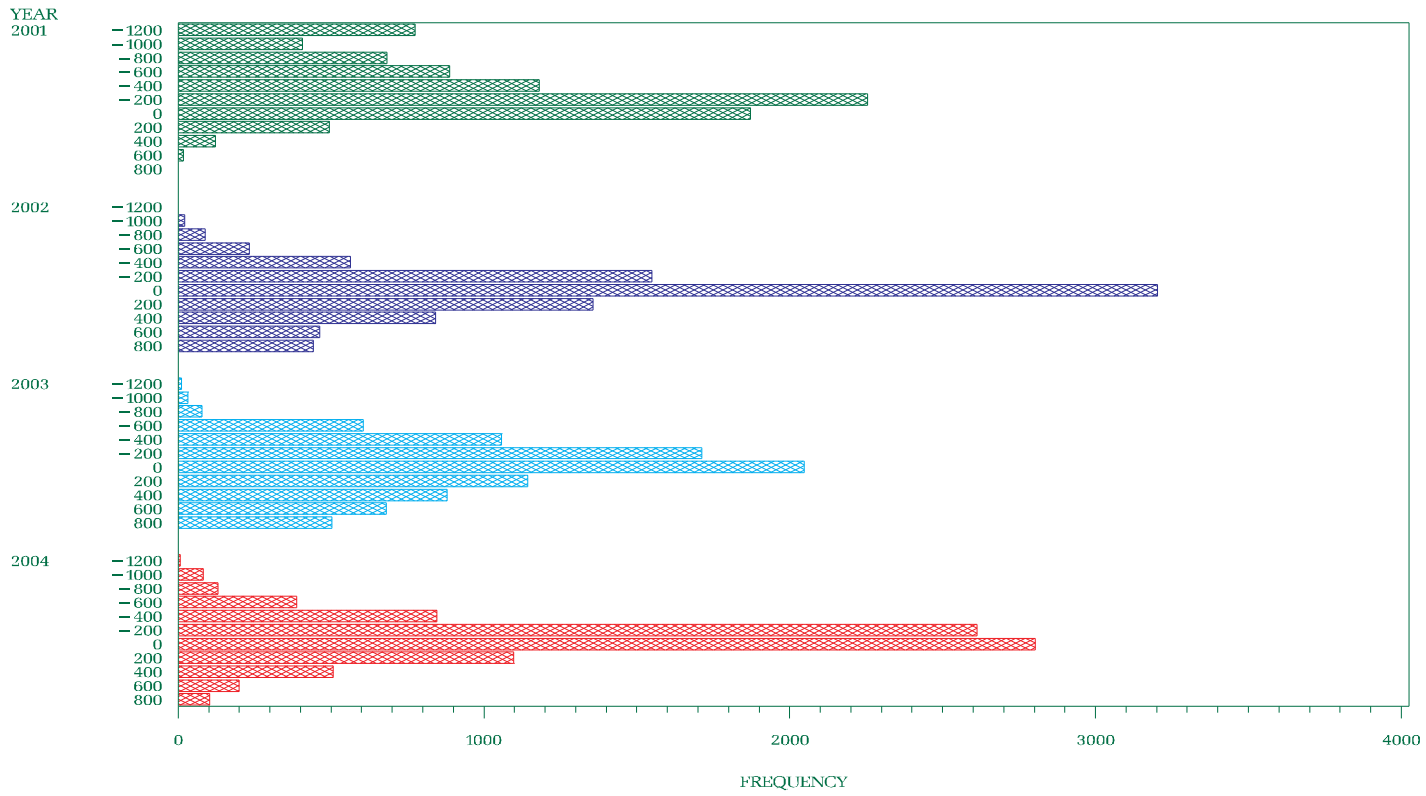
New England – NY



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-1200	7	7	0.08	0.08
-1000	83	90	0.95	1.03
-800	130	220	1.48	2.51
-600	388	608	4.42	6.92
-400	847	1455	9.65	16.57
-200	2613	4068	29.76	46.33
0	2803	6871	31.92	78.26
200	1098	7969	12.51	90.76
400	507	8476	5.77	96.54
600	200	8676	2.28	98.82
800	104	8780	1.18	100.00

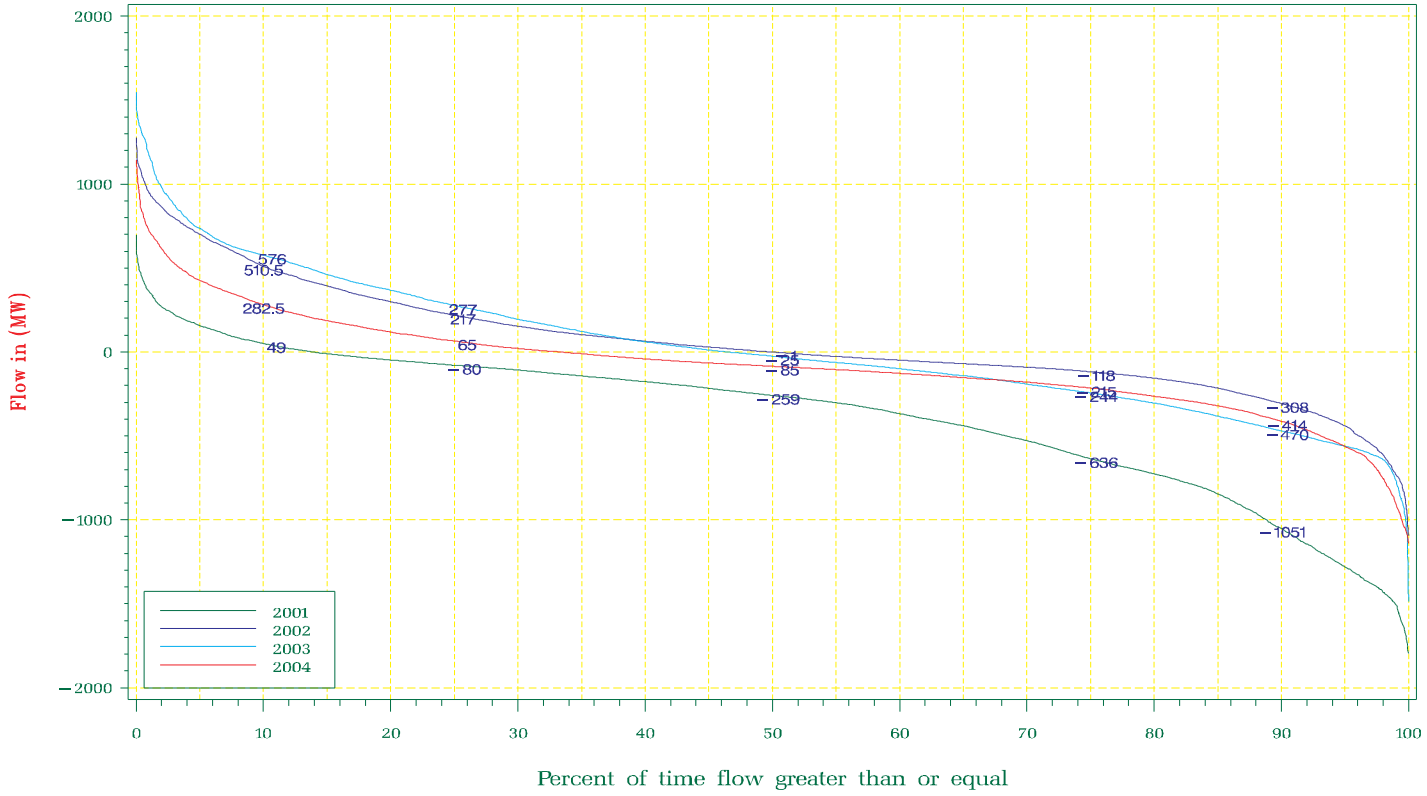
NYISO Frequency Interface Flow For January 2001 – December 2004

New England – NY



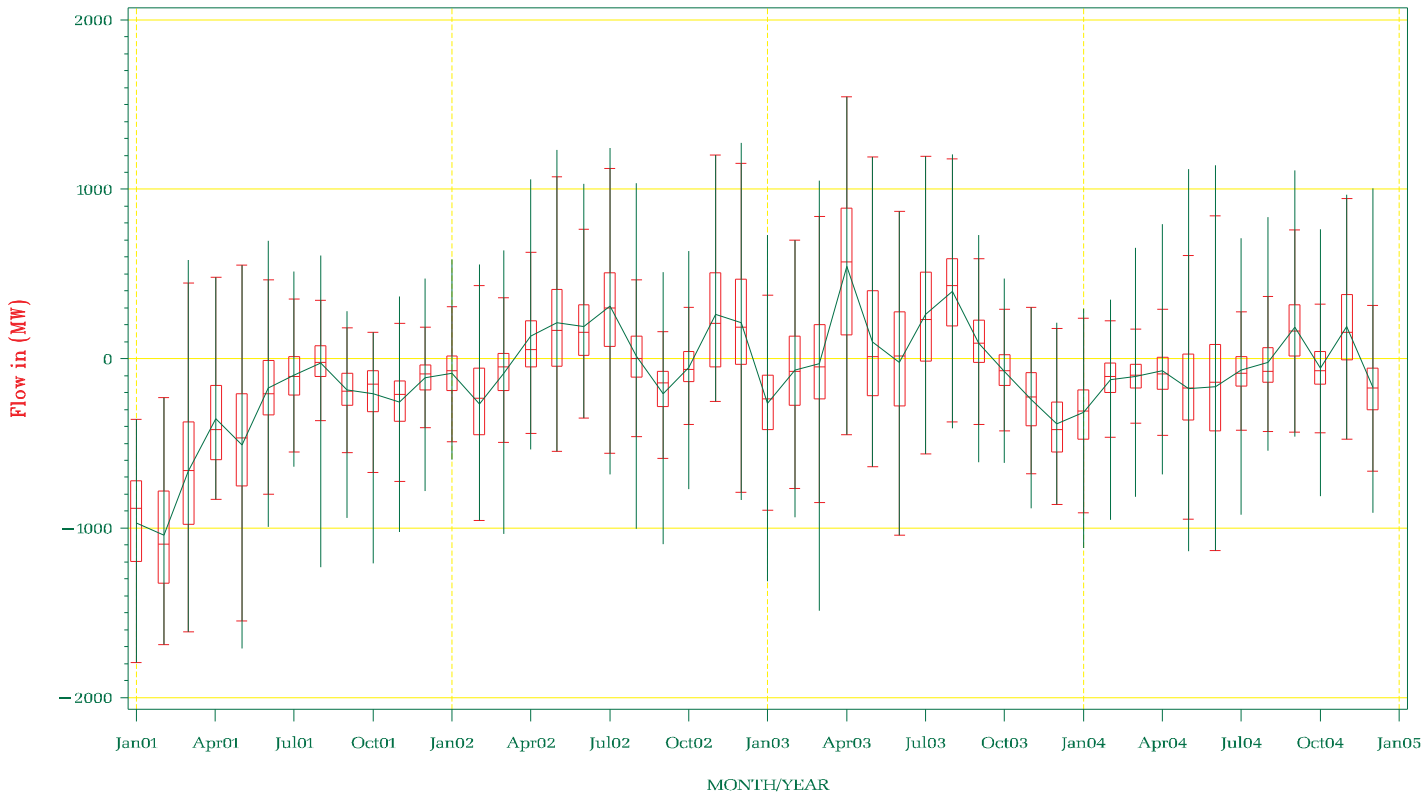
NYISO Percent of time Interface Flow For January 2001 – December 2004

New England – NY



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

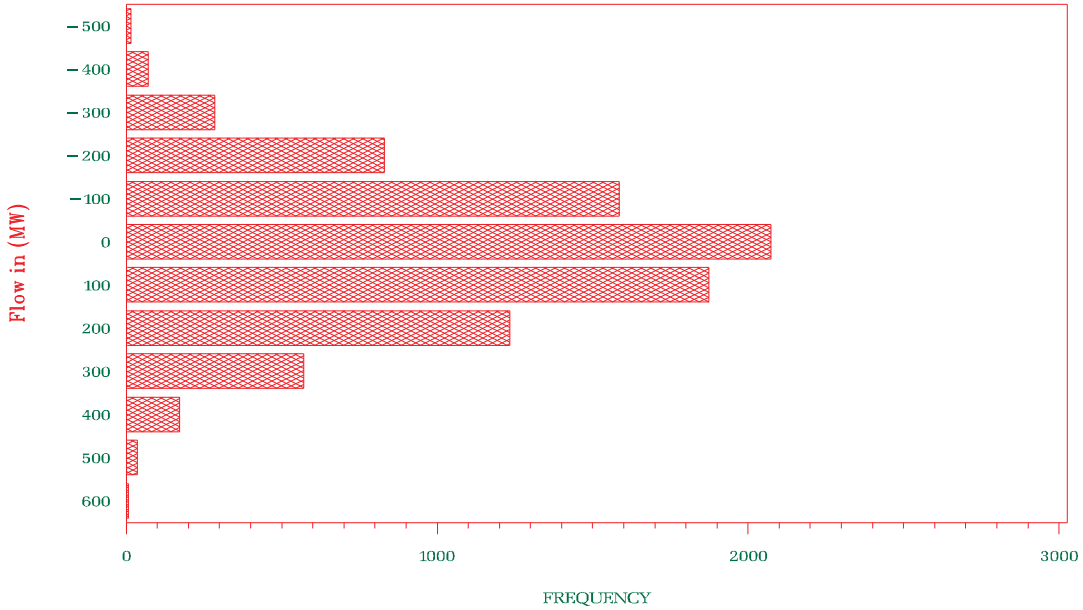
New England – NY



NYISO Frequency Interface Flow For January – December 2004

New England/NU South – Capital/Mid Hudson

398 Long Mt. – Pleasant Valley

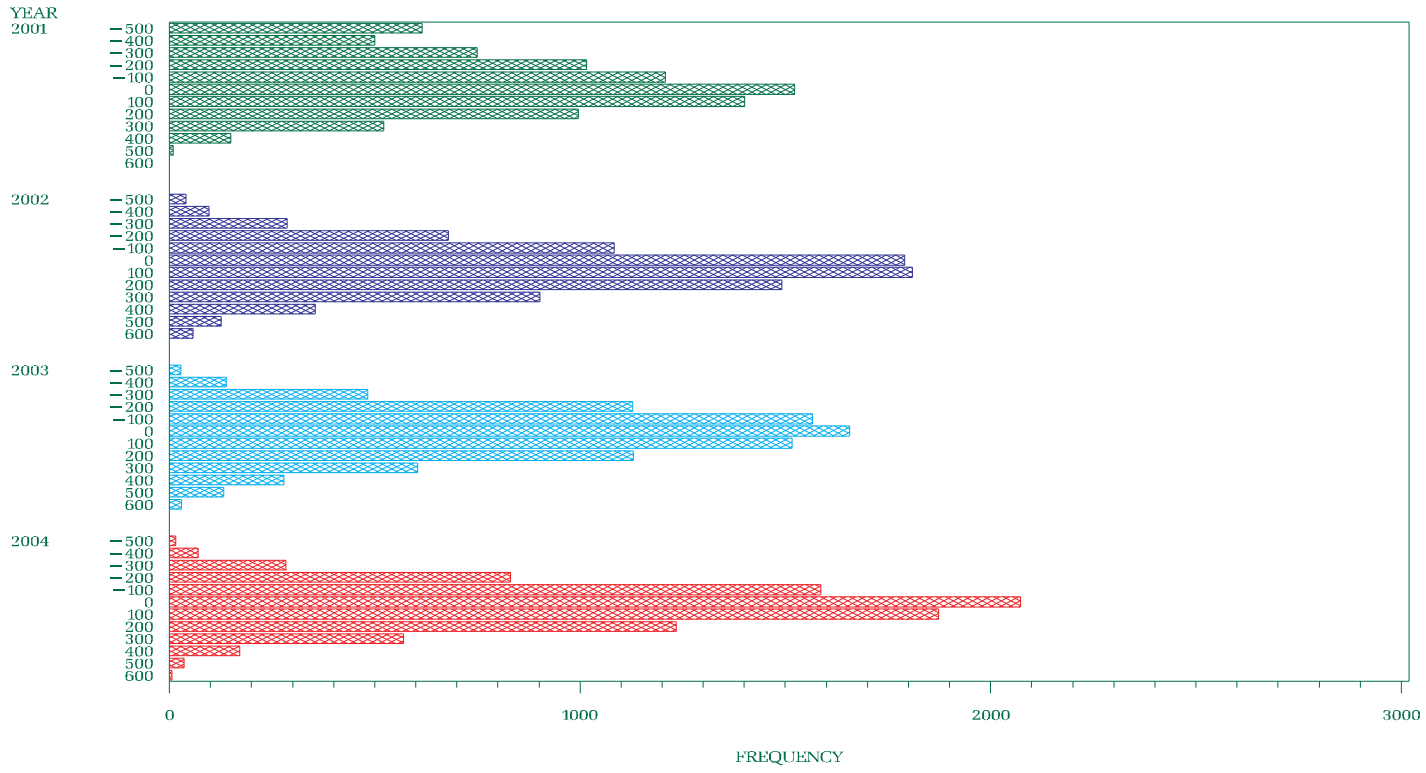


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-500	15	15	0.17	0.17
-400	70	85	0.80	0.97
-300	284	369	3.25	4.22
-200	831	1200	9.50	13.72
-100	1586	2786	18.13	31.84
0	2073	4859	23.69	55.54
100	1873	6732	21.41	76.95
200	1234	7966	14.10	91.05
300	570	8536	6.52	97.57
400	172	8708	1.97	99.53
500	35	8743	0.40	99.93
600	6	8749	0.07	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

New England/NU South – Capital/Mid Hudson

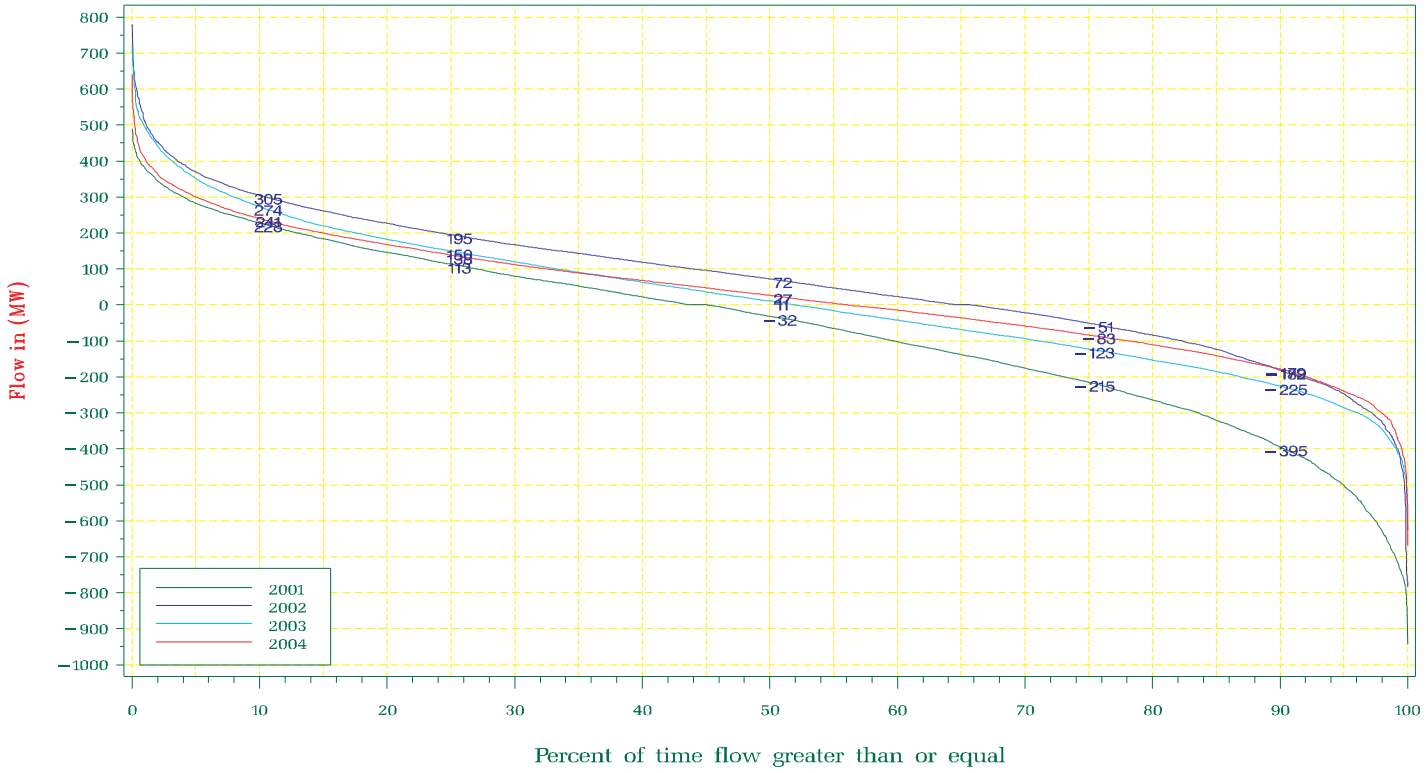
398 Long Mt. – Pleasant Valley



NYISO Percent of time Interface Flow For January 2001 – December 2004

New England/NU South – Capital/Mid Hudson

398 Long Mt. – Pleasant Valley



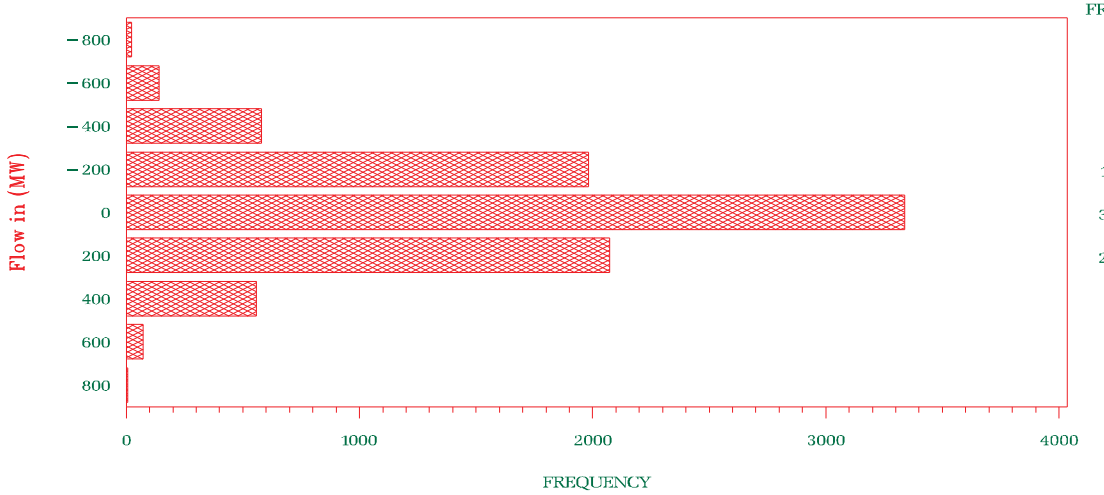
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

New England/NU South – Capital/Mid Hudson

398 Long Mt. – Pleasant Valley

NYISO Frequency Interface Flow For January – December 2004

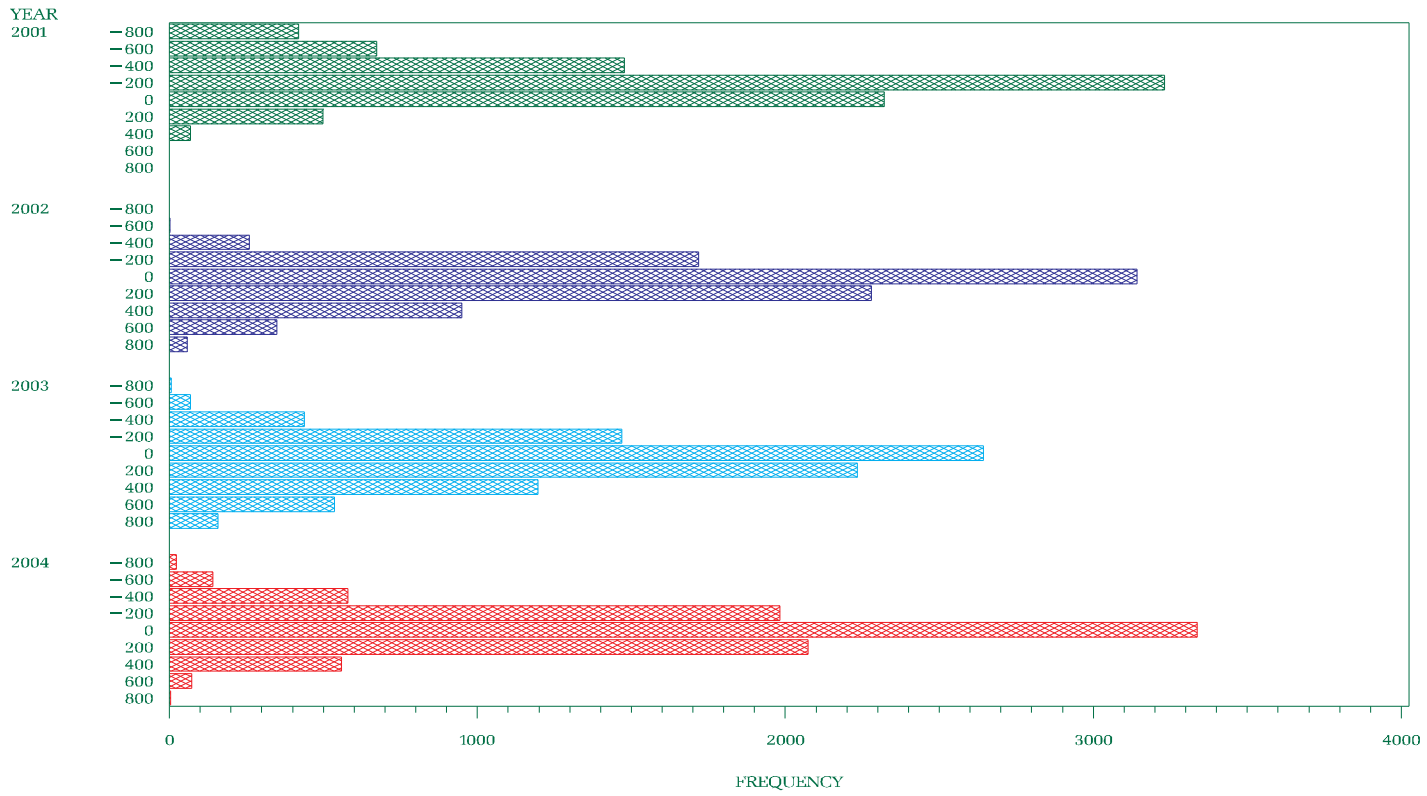
New England/Vt/NE/NU South – Capital/Mid Hudson



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-800	23	23	0.26	0.26
-600	142	165	1.62	1.88
-400	580	745	6.61	8.49
-200	1983	2728	22.60	31.09
0	3337	6065	38.03	69.12
200	2074	8139	23.64	92.75
400	559	8698	6.37	99.12
600	72	8770	0.82	99.94
800	5	8775	0.06	100.00

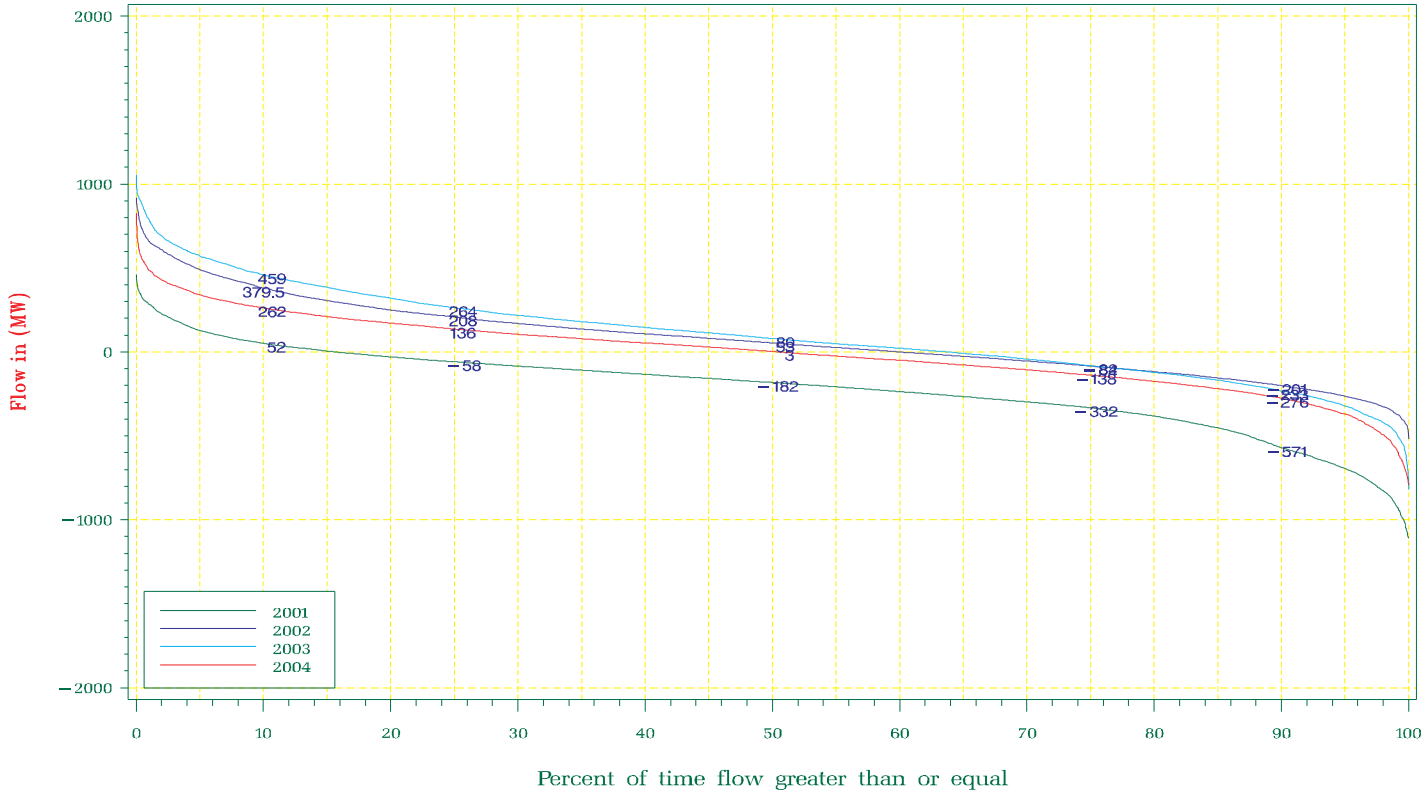
NYISO Frequency Interface Flow For January 2001 – December 2004

New England/Vt/NE/NU South – Capital/Mid Hudson



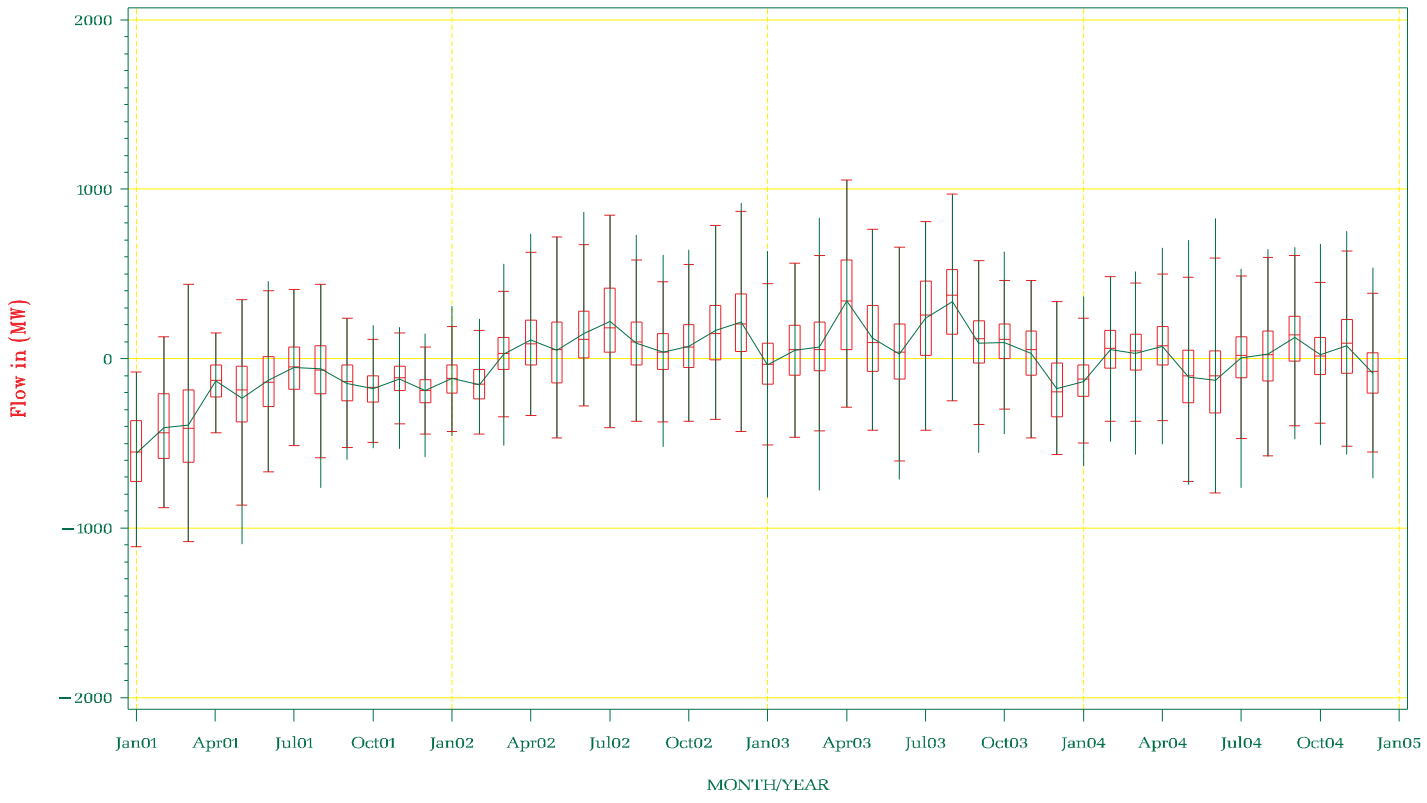
NYISO Percent of time Interface Flow For January 2001 – December 2004

New England/Vt/NE/NU South – Capital/Mid Hudson



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

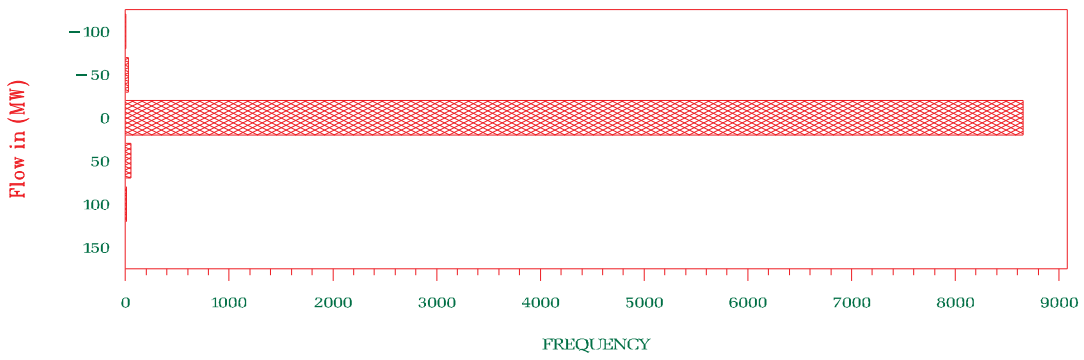
New England/Vt/NE/NU South – Capital/Mid Hudson



NYISO Frequency Interface Flow For January – December 2004

New England/NU – Long Island

1385 Northport – Norwalk Harbor

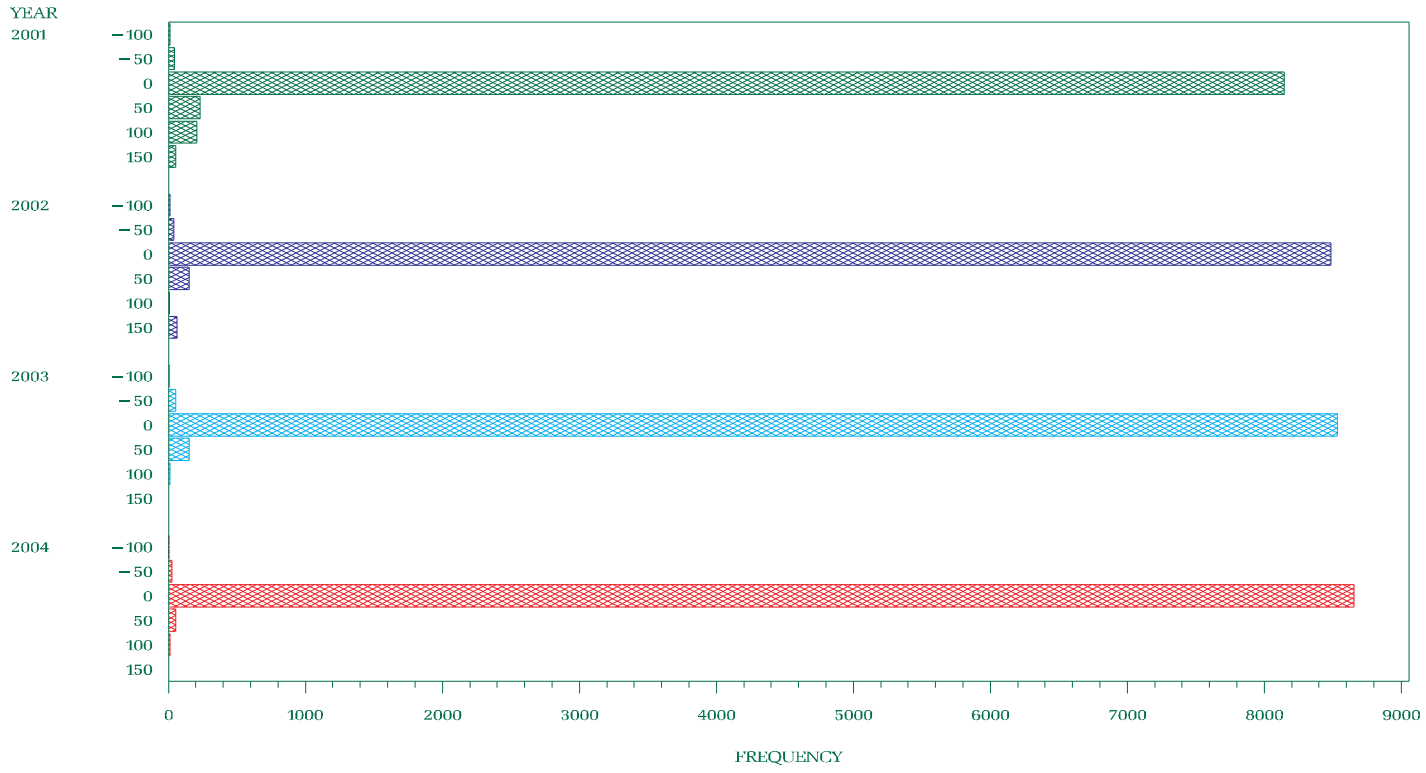


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-100	2	2	0.02	0.02
-50	27	29	0.31	0.33
0	8655	8684	98.93	99.26
50	54	8738	0.62	99.87
100	11	8749	0.13	100.00
150	0	8749	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

New England/NU – Long Island

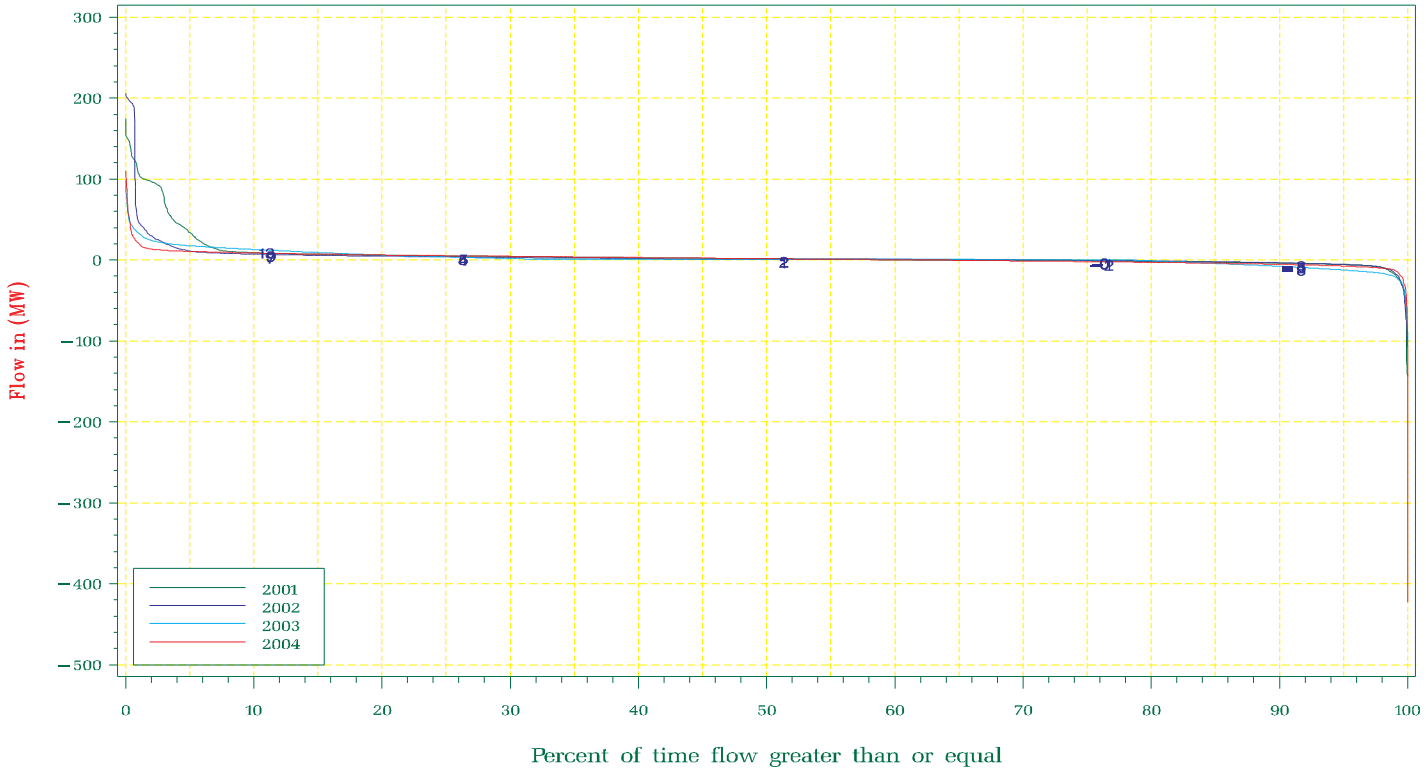
1385 Northport – Norwalk Harbor



NYISO Percent of time Interface Flow For January 2001 – December 2004

New England/NU – Long Island

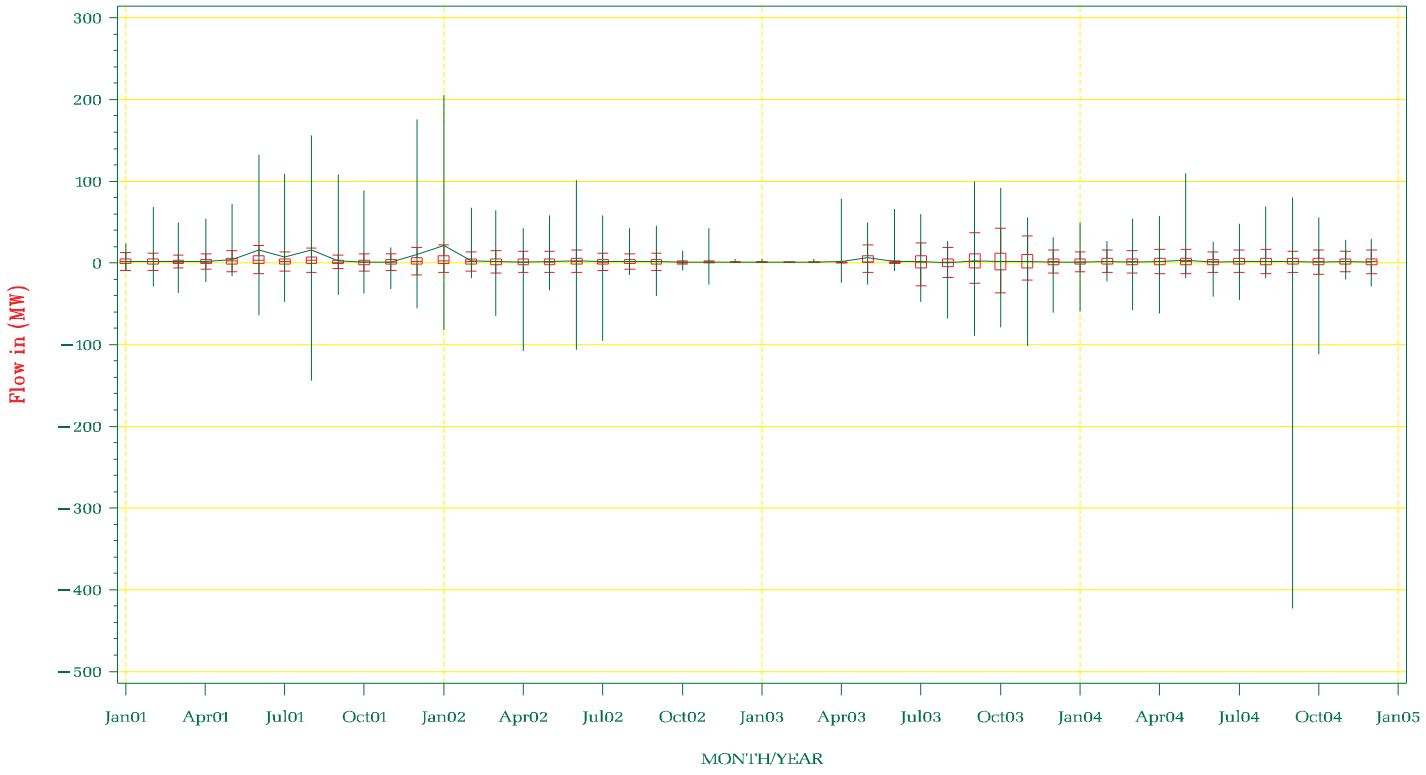
1385 Northport – Norwalk Harbor



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

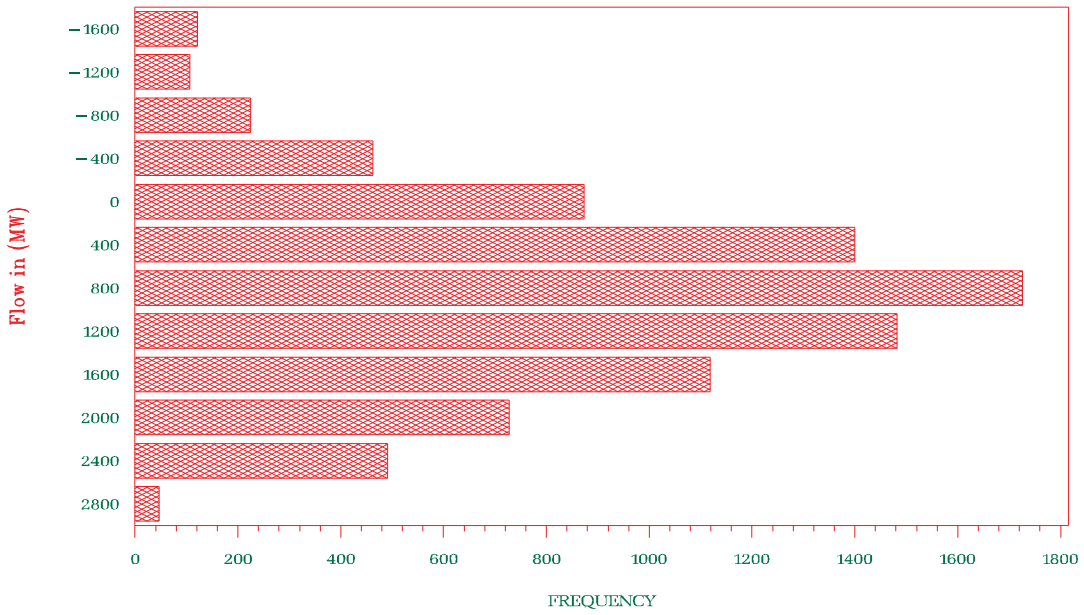
New England/NU – Long Island

1385 Northport – Norwalk Harbor



NYISO Frequency Interface Flow For January – December 2004

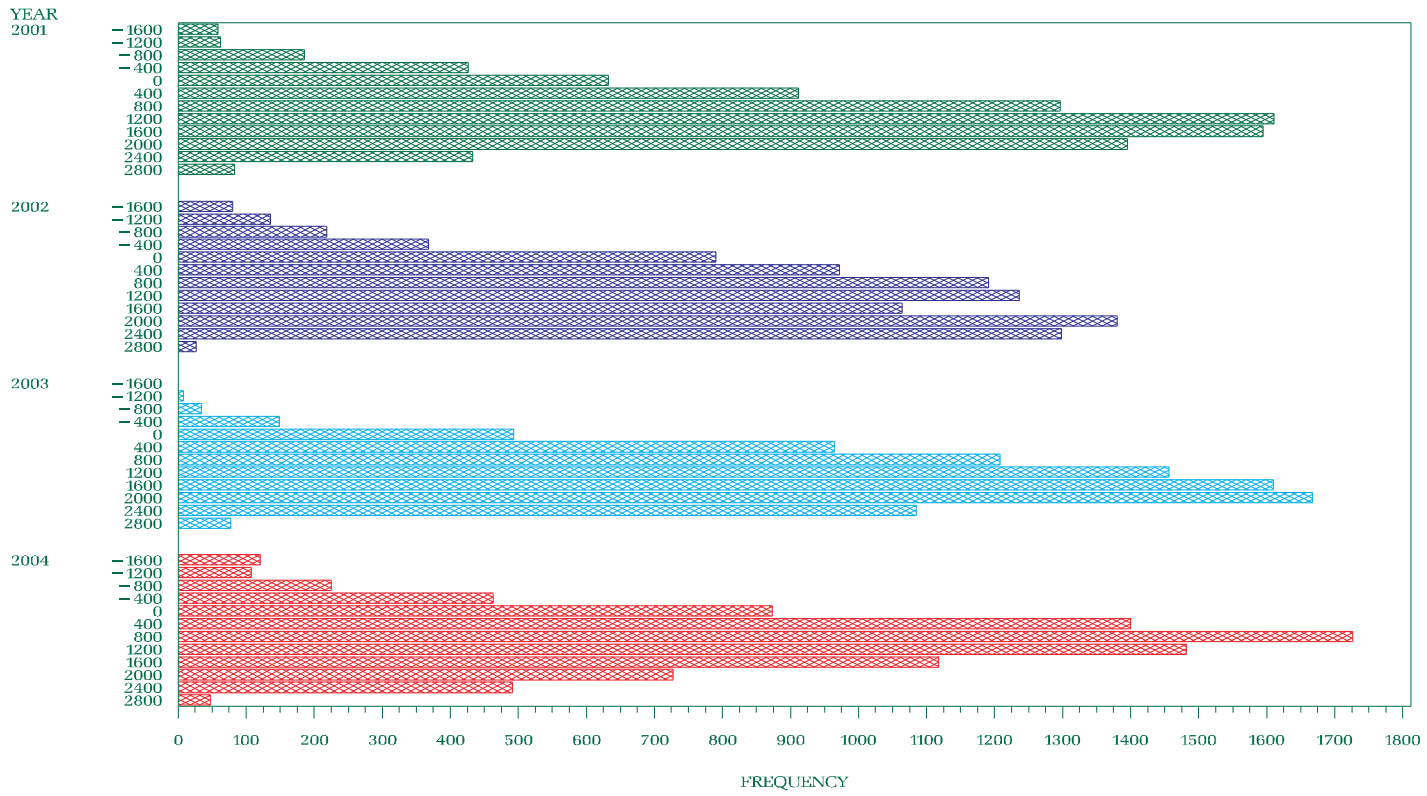
PJM – NY SCHEDULE



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-1600	121	121	1.38	1.38
-1200	107	228	1.22	2.60
-800	225	453	2.56	5.16
-400	463	916	5.27	10.43
0	873	1789	9.94	20.38
400	1400	3189	15.95	36.32
800	1726	4915	19.66	55.98
1200	1482	6397	16.88	72.86
1600	1118	7515	12.73	85.59
2000	727	8242	8.28	93.87
2400	491	8733	5.59	99.46
2800	47	8780	0.54	100.00

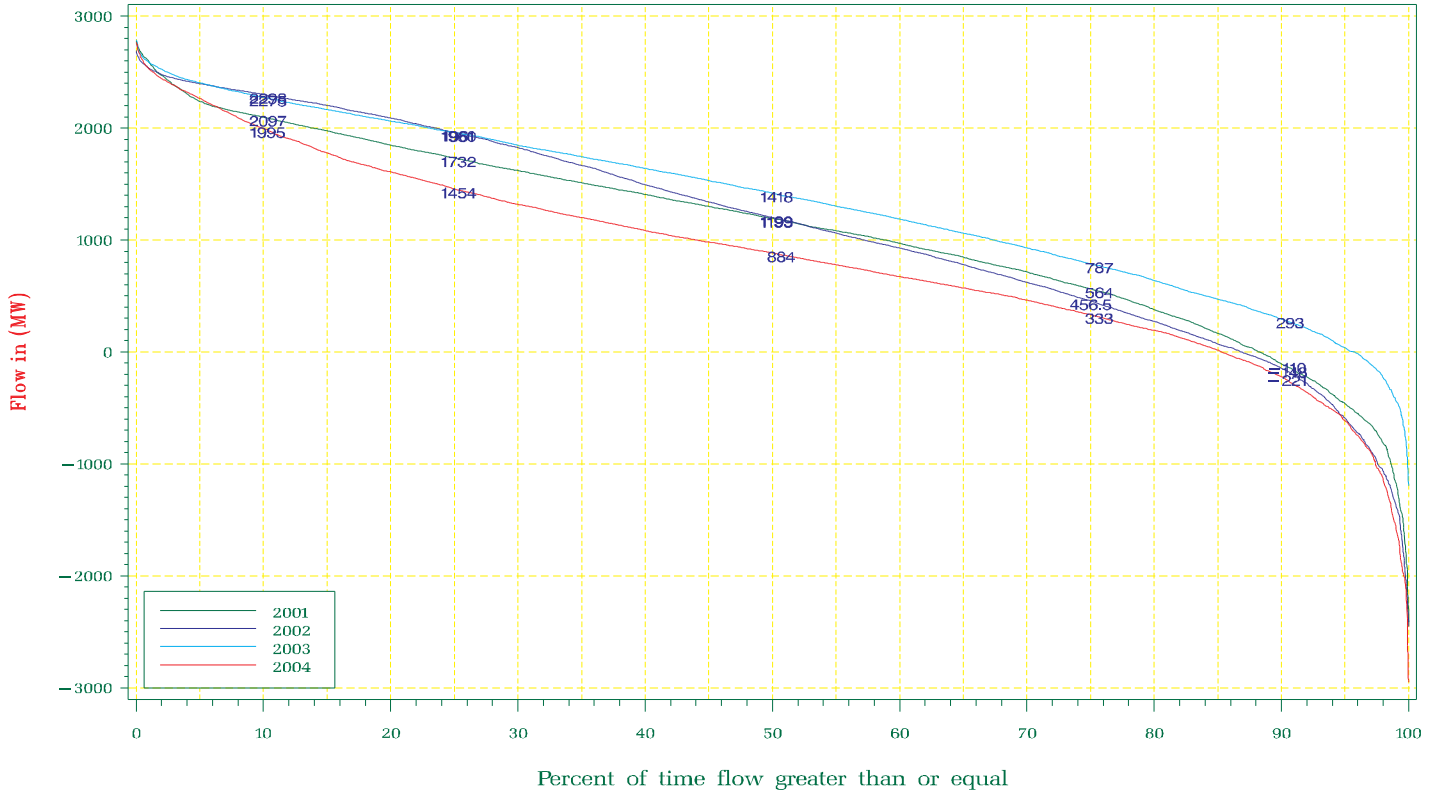
NYISO Frequency Interface Flow For January 2001 – December 2004

PJM – NY SCHEDULE



NYISO Percent of time Interface Flow For January 2001 – December 2004

PJM – NY SCHEDULE



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

PJM – NY SCHEDULE

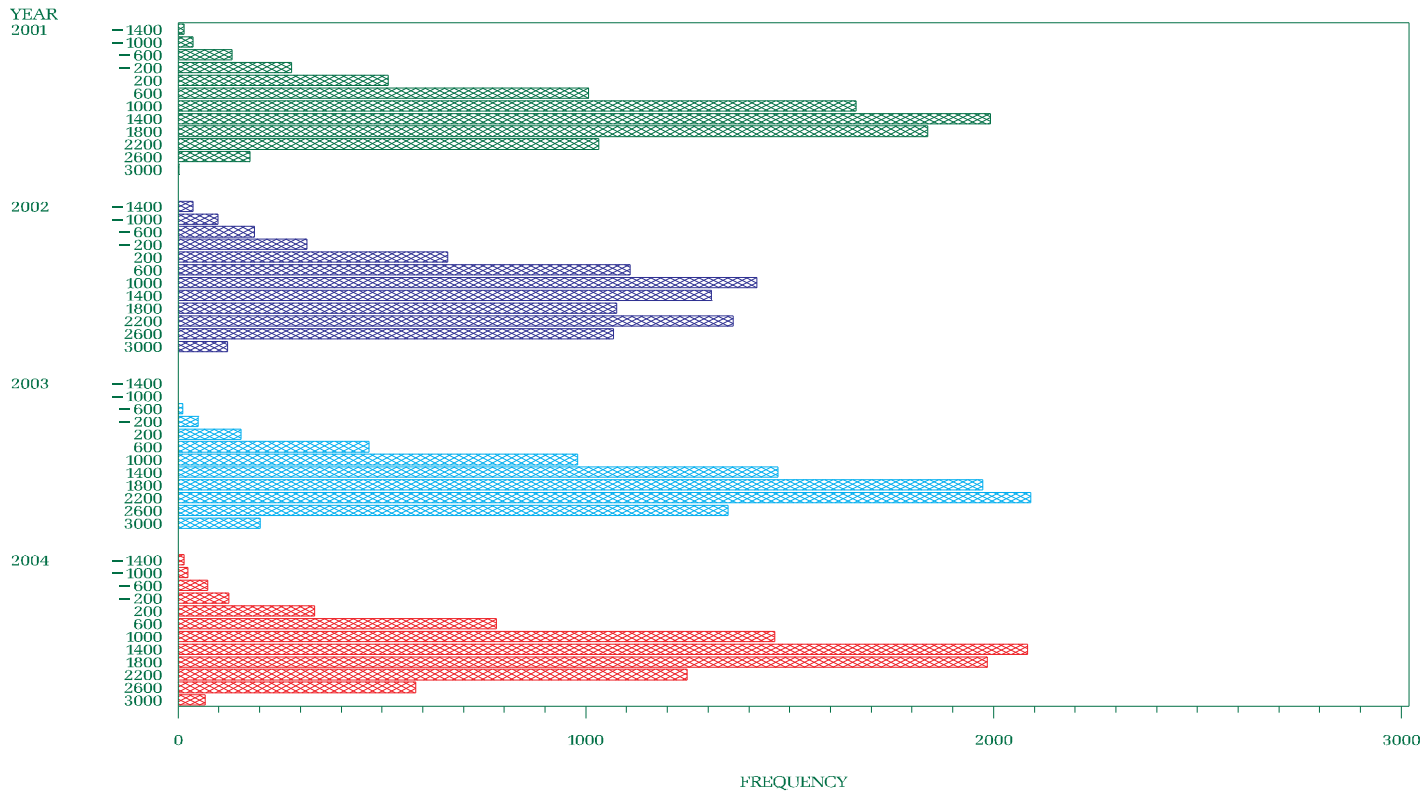
NYISO Frequency Interface Flow For January – December 2004

PJM – NY

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-1400	14	14	0.16	0.16
-1000	24	38	0.27	0.43
-600	73	111	0.83	1.26
-200	124	235	1.41	2.68
200	335	570	3.82	6.49
600	780	1350	8.88	15.38
1000	1463	2813	16.66	32.04
1400	2084	4897	23.74	55.77
1800	1985	6882	22.61	78.38
2200	1248	8130	14.21	92.60
2600	583	8713	6.64	99.24
3000	67	8780	0.76	100.00

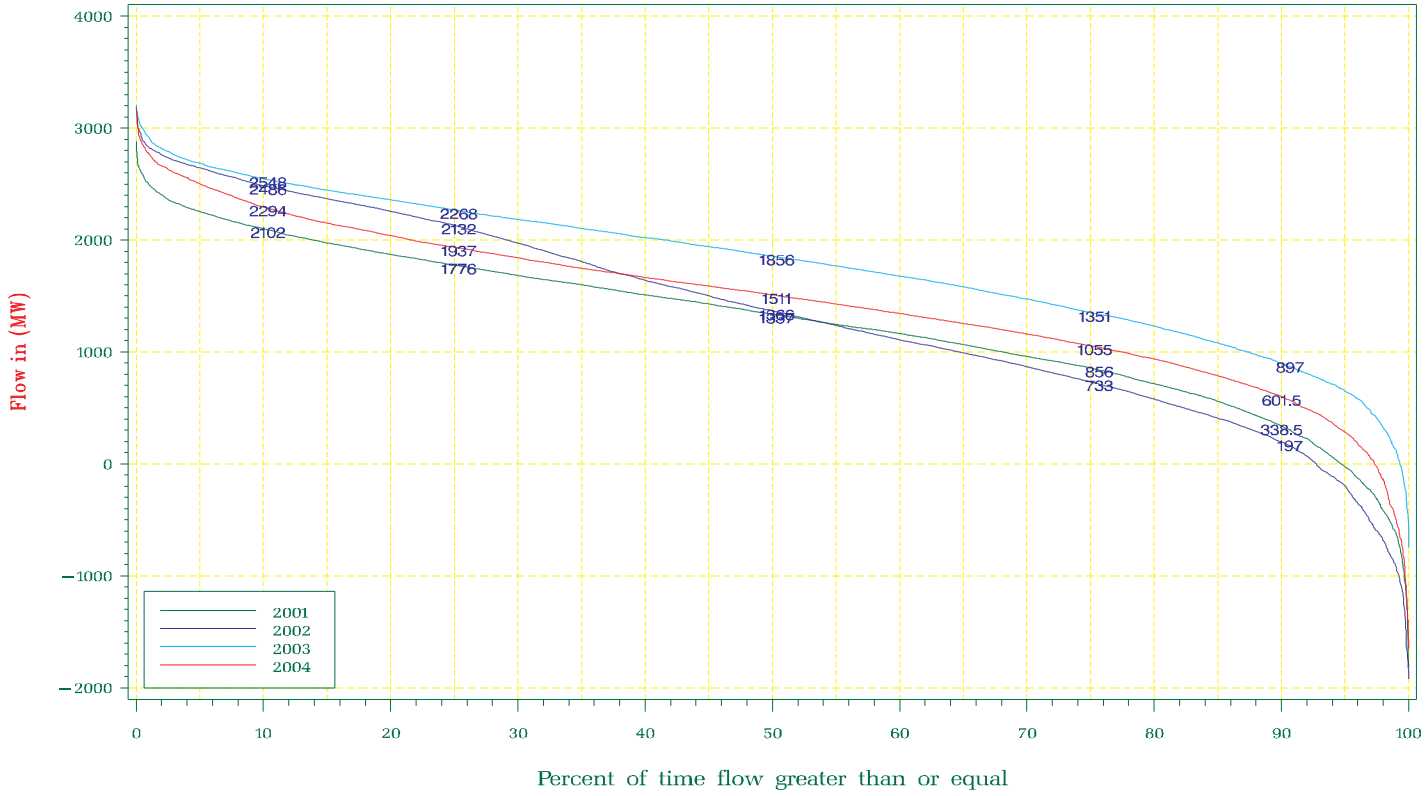
NYISO Frequency Interface Flow For January 2001 – December 2004

PJM – NY



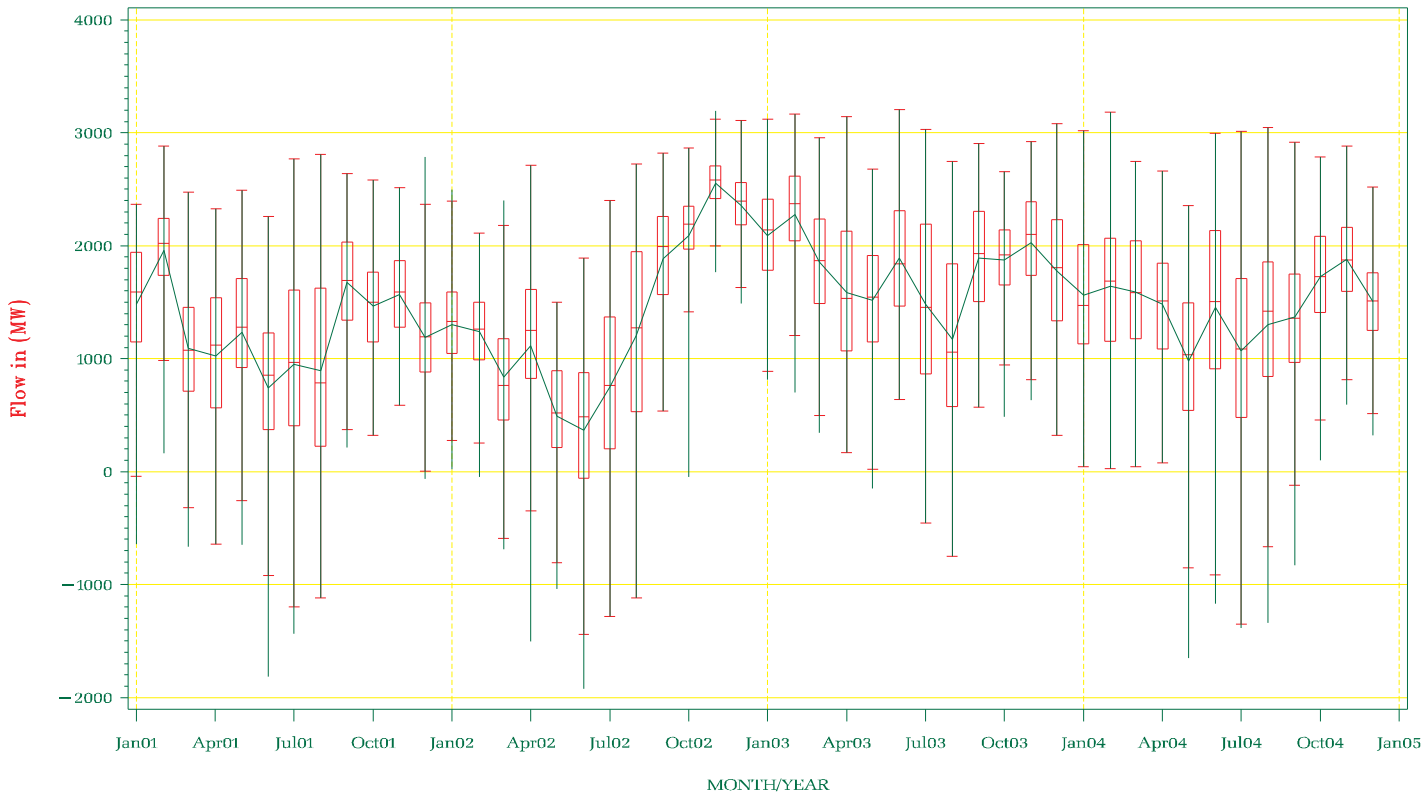
NYISO Percent of time Interface Flow For January 2001 – December 2004

PJM – NY



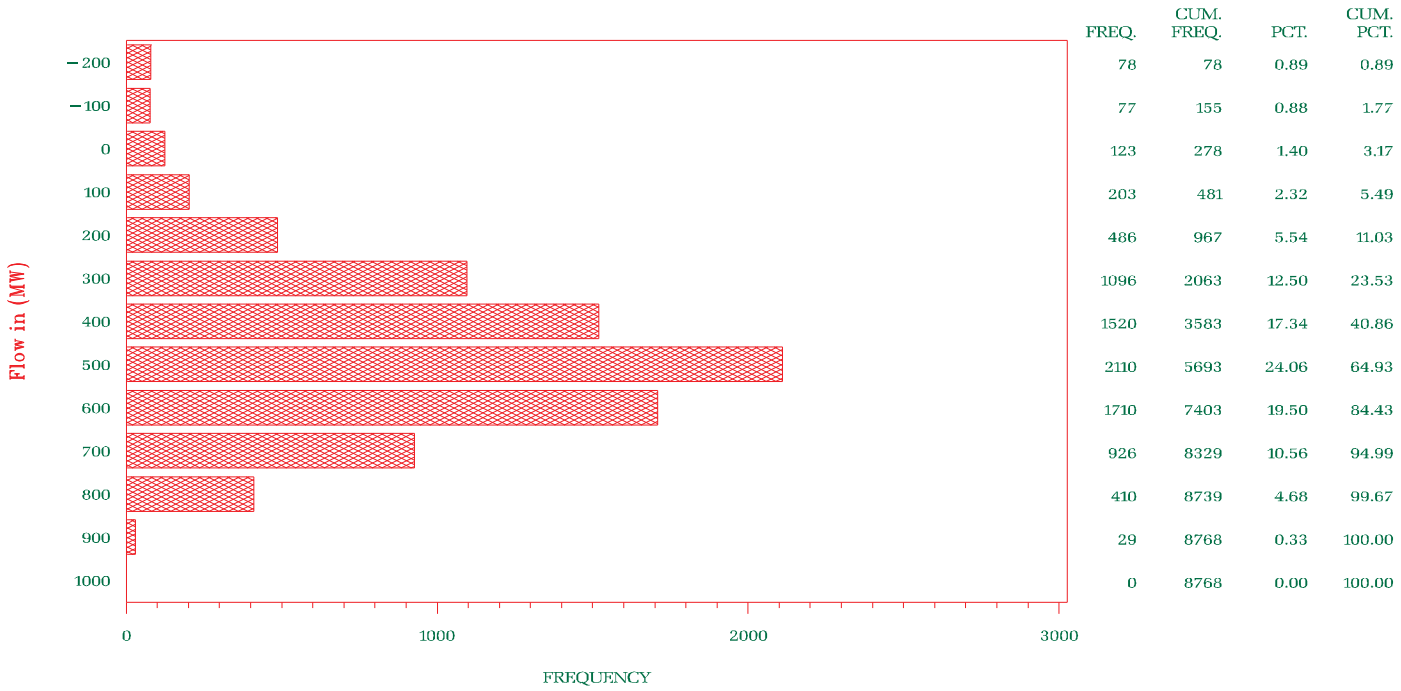
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

PJM – NY



NYISO Frequency Interface Flow For January – December 2004

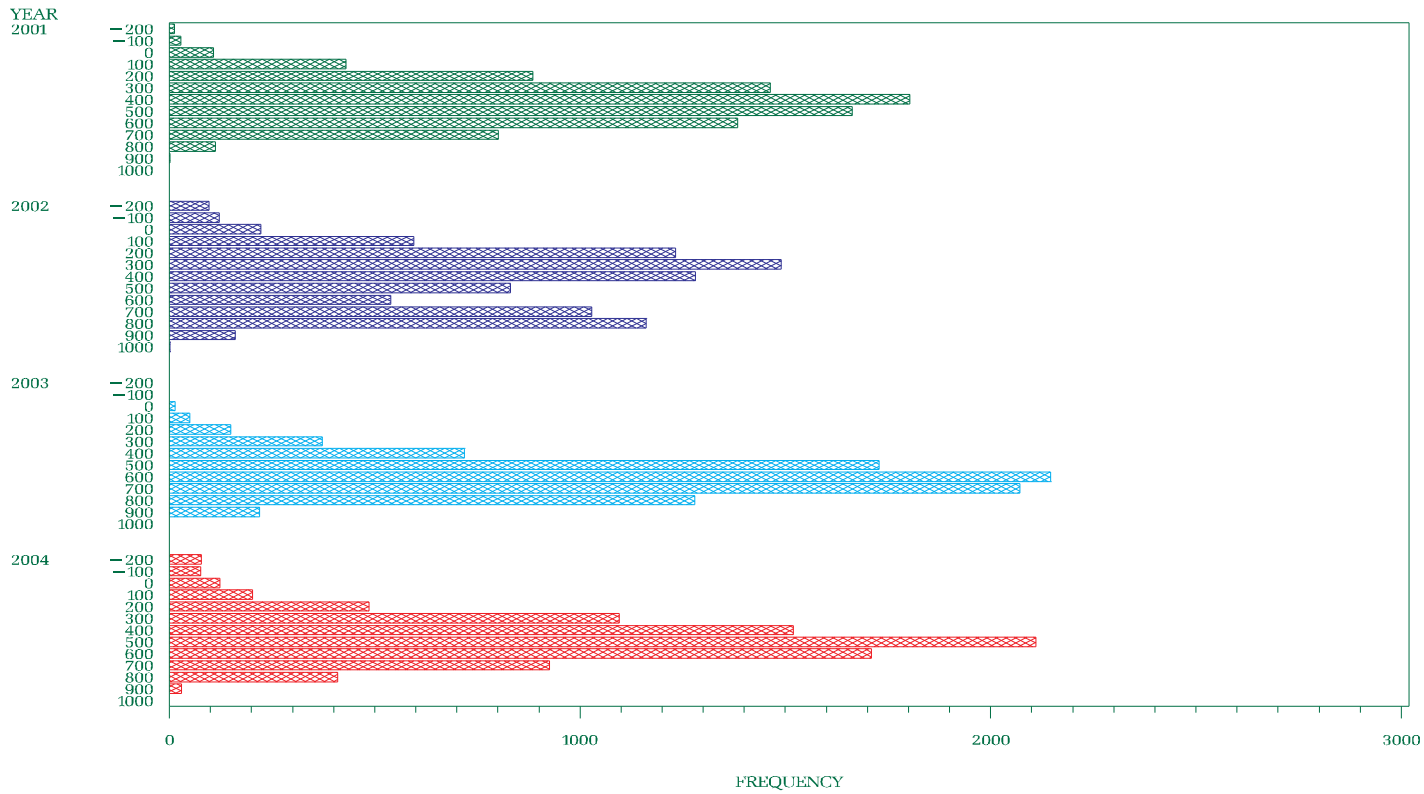
PJM West – Central



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-200	78	78	0.89	0.89
-100	77	155	0.88	1.77
0	123	278	1.40	3.17
100	203	481	2.32	5.49
200	486	967	5.54	11.03
300	1096	2063	12.50	23.53
400	1520	3583	17.34	40.86
500	2110	5693	24.06	64.93
600	1710	7403	19.50	84.43
700	926	8329	10.56	94.99
800	410	8739	4.68	99.67
900	29	8768	0.33	100.00
1000	0	8768	0.00	100.00

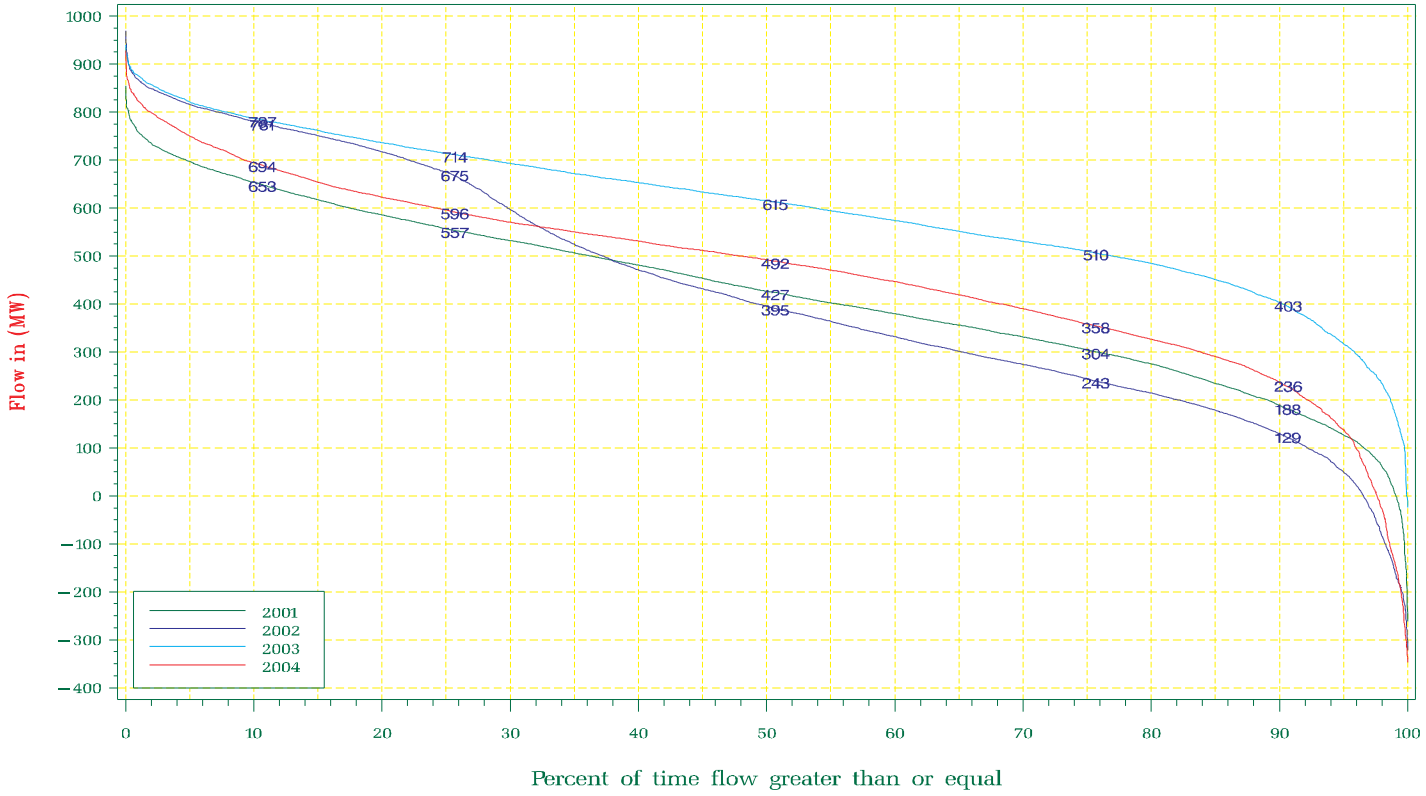
NYISO Frequency Interface Flow For January 2001 – December 2004

PJM West – Central



NYISO Percent of time Interface Flow For January 2001 – December 2004

PJM West – Central

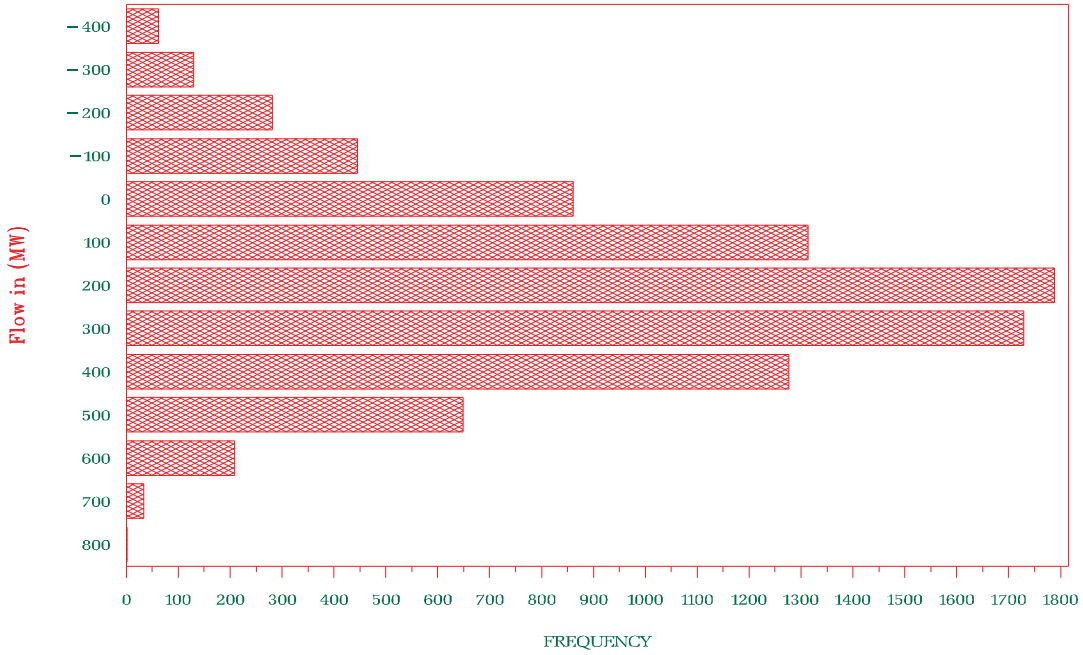


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

PJM West – Central

NYISO Frequency Interface Flow For January – December 2004

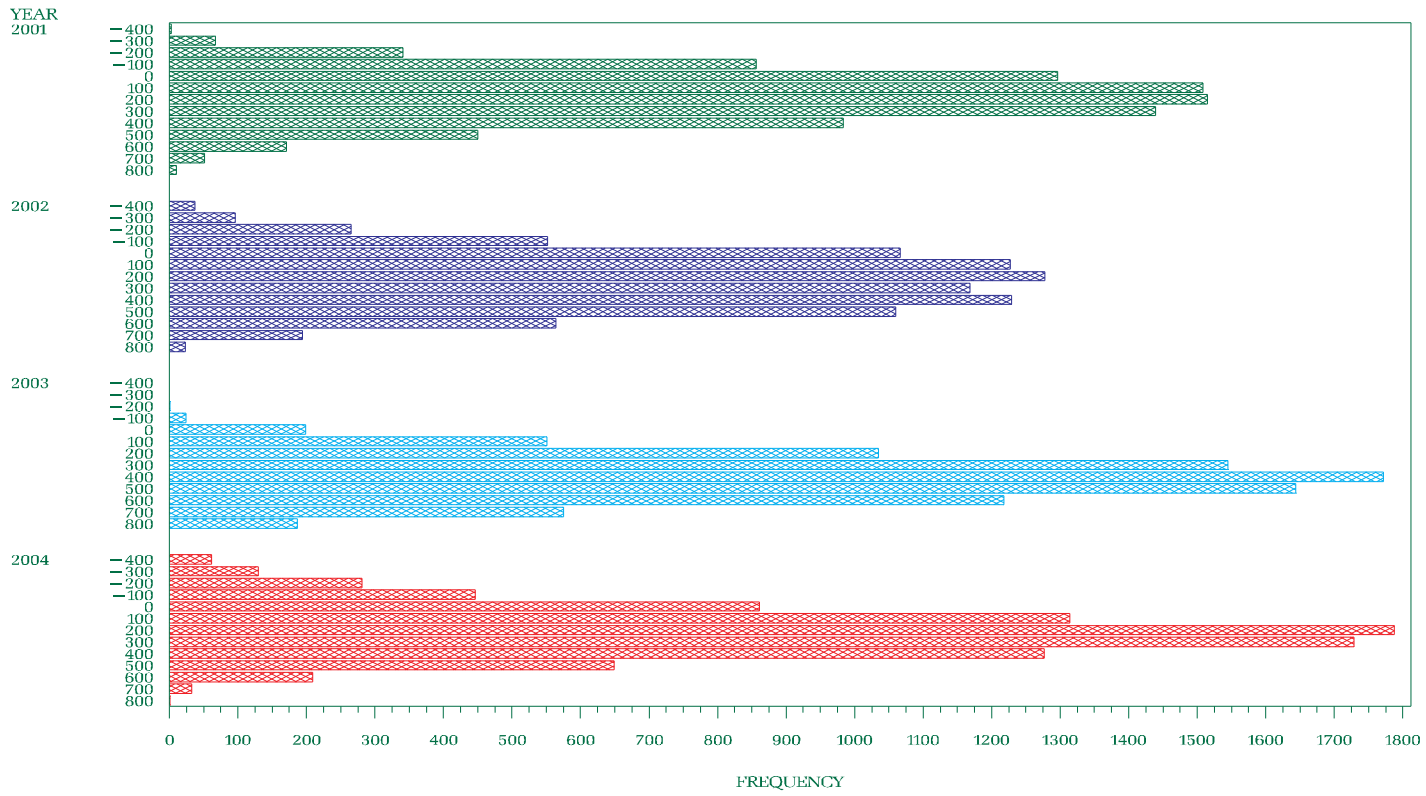
PJM West – Frontier



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-400	62	62	0.71	0.71
-300	130	192	1.48	2.19
-200	281	473	3.20	5.39
-100	446	919	5.08	10.47
0	861	1780	9.81	20.27
100	1314	3094	14.97	35.24
200	1788	4882	20.36	55.60
300	1729	6611	19.69	75.30
400	1277	7888	14.54	89.84
500	649	8537	7.39	97.23
600	209	8746	2.38	99.61
700	33	8779	0.38	99.99
800	1	8780	0.01	100.00

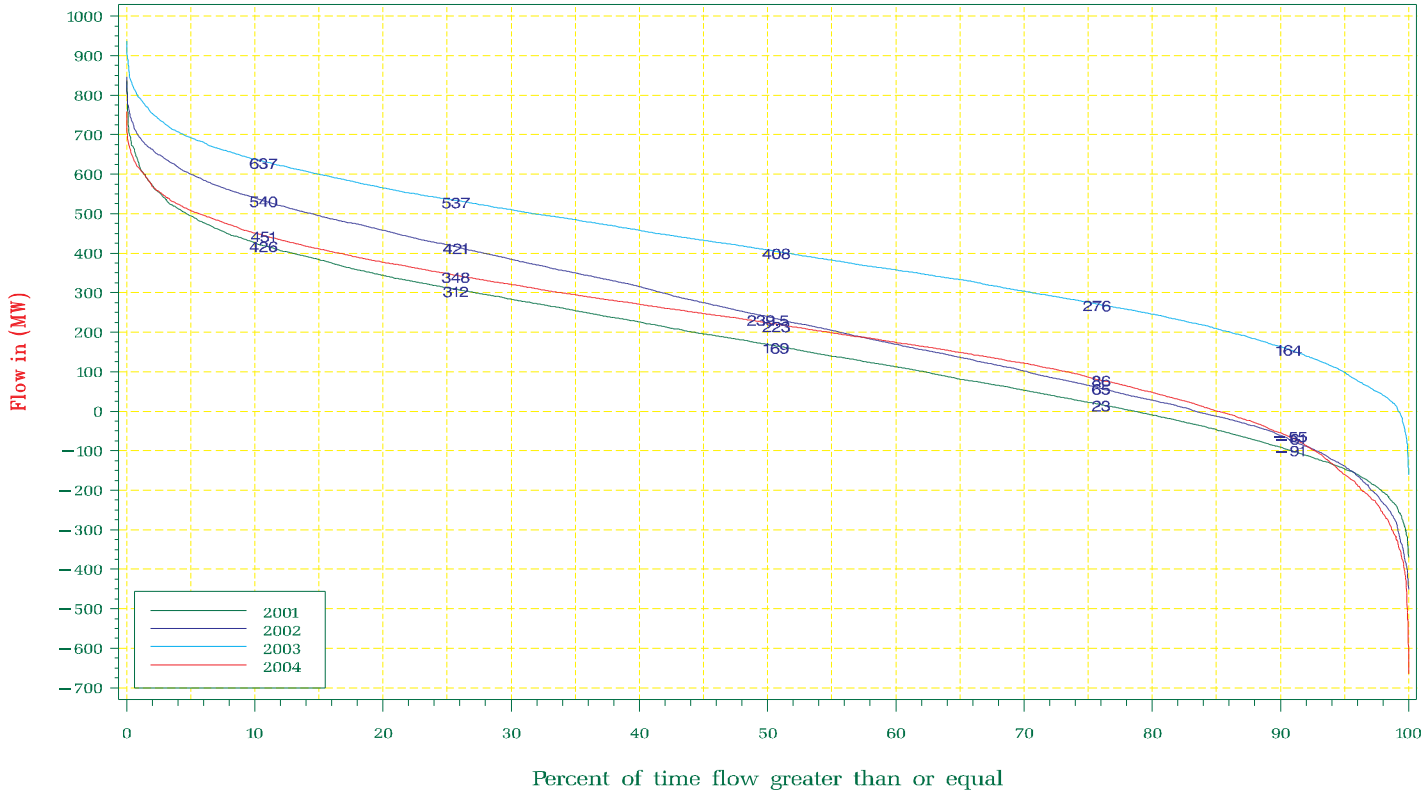
NYISO Frequency Interface Flow For January 2001 – December 2004

PJM West – Frontier



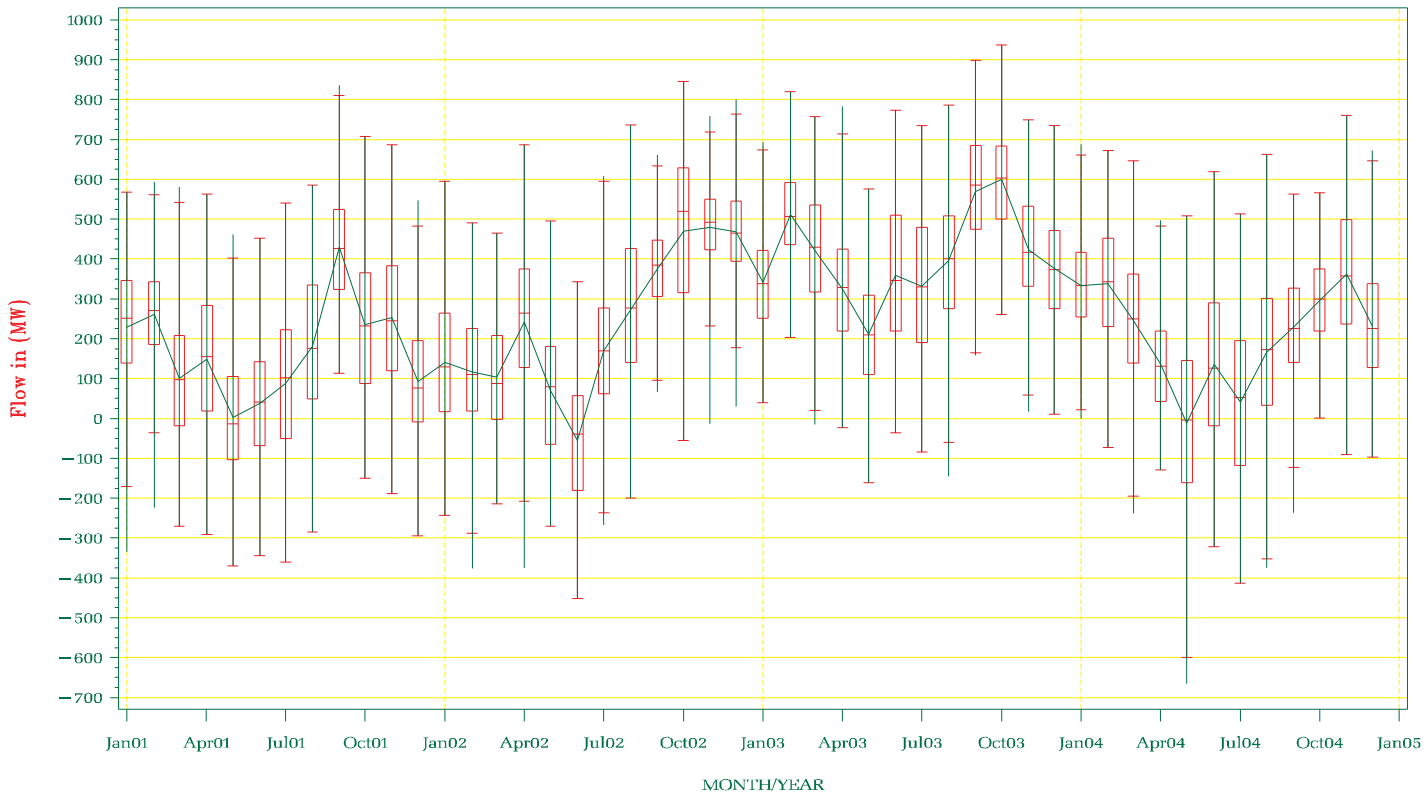
NYISO Percent of time Interface Flow For January 2001 – December 2004

PJM West – Frontier



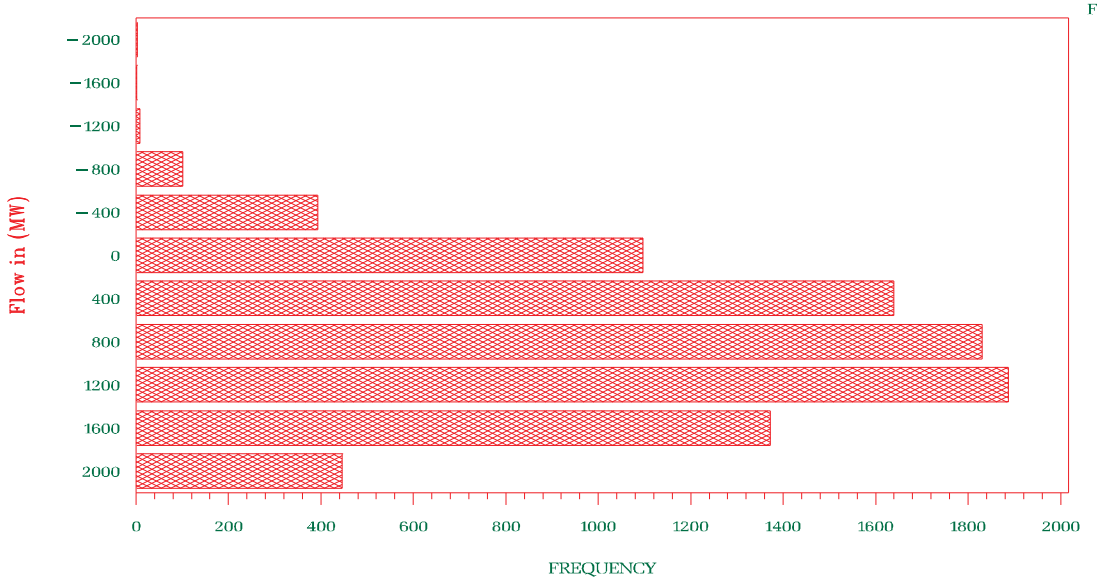
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

PJM West – Frontier



NYISO Frequency Interface Flow For January – December 2004

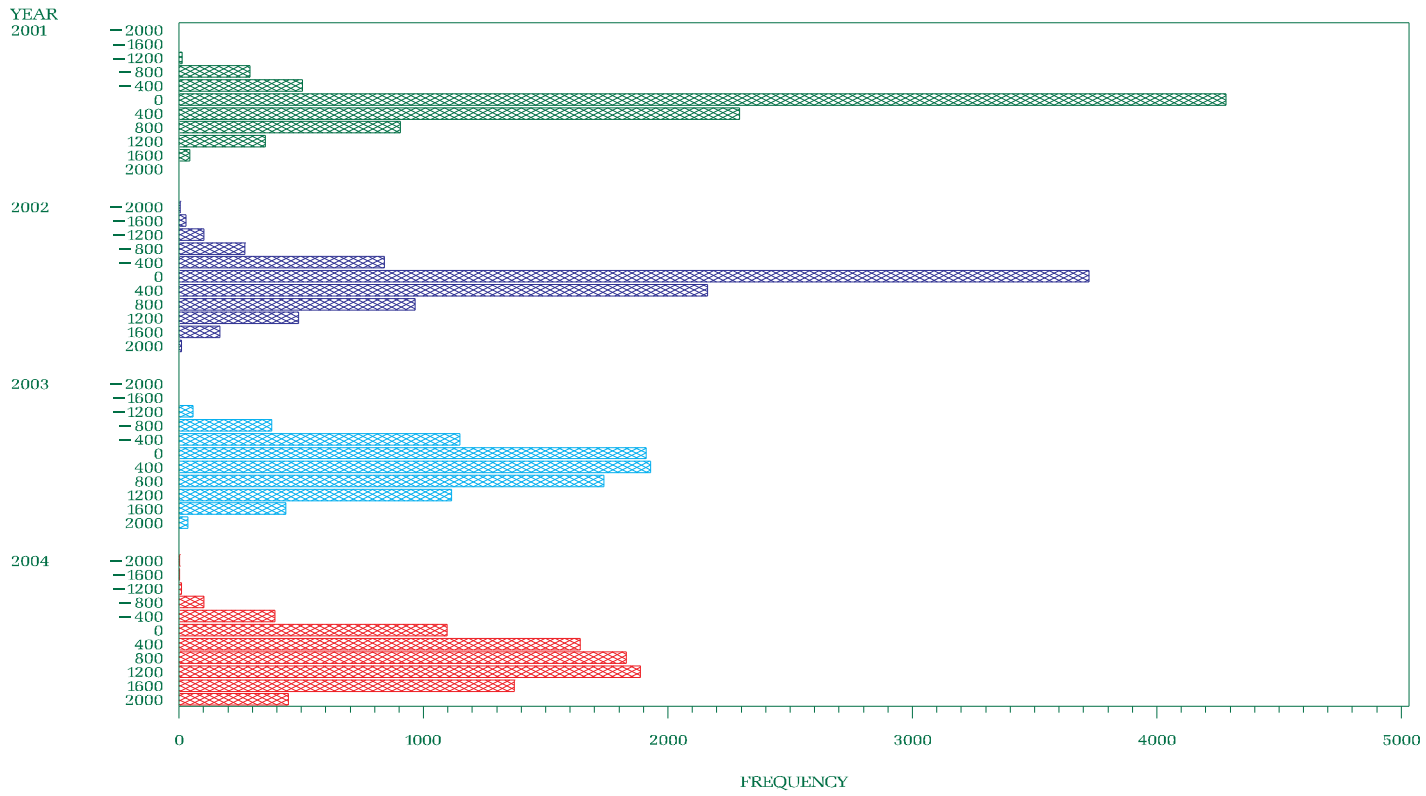
ONTARIO – NY SCHEDULE



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
−2000	3	3	0.03	0.03
−1600	2	5	0.02	0.06
−1200	9	14	0.10	0.16
−800	101	115	1.15	1.31
−400	393	508	4.48	5.79
0	1097	1605	12.49	18.28
400	1640	3245	18.68	36.96
800	1830	5075	20.84	57.80
1200	1887	6962	21.49	79.29
1600	1372	8334	15.63	94.92
2000	446	8780	5.08	100.00

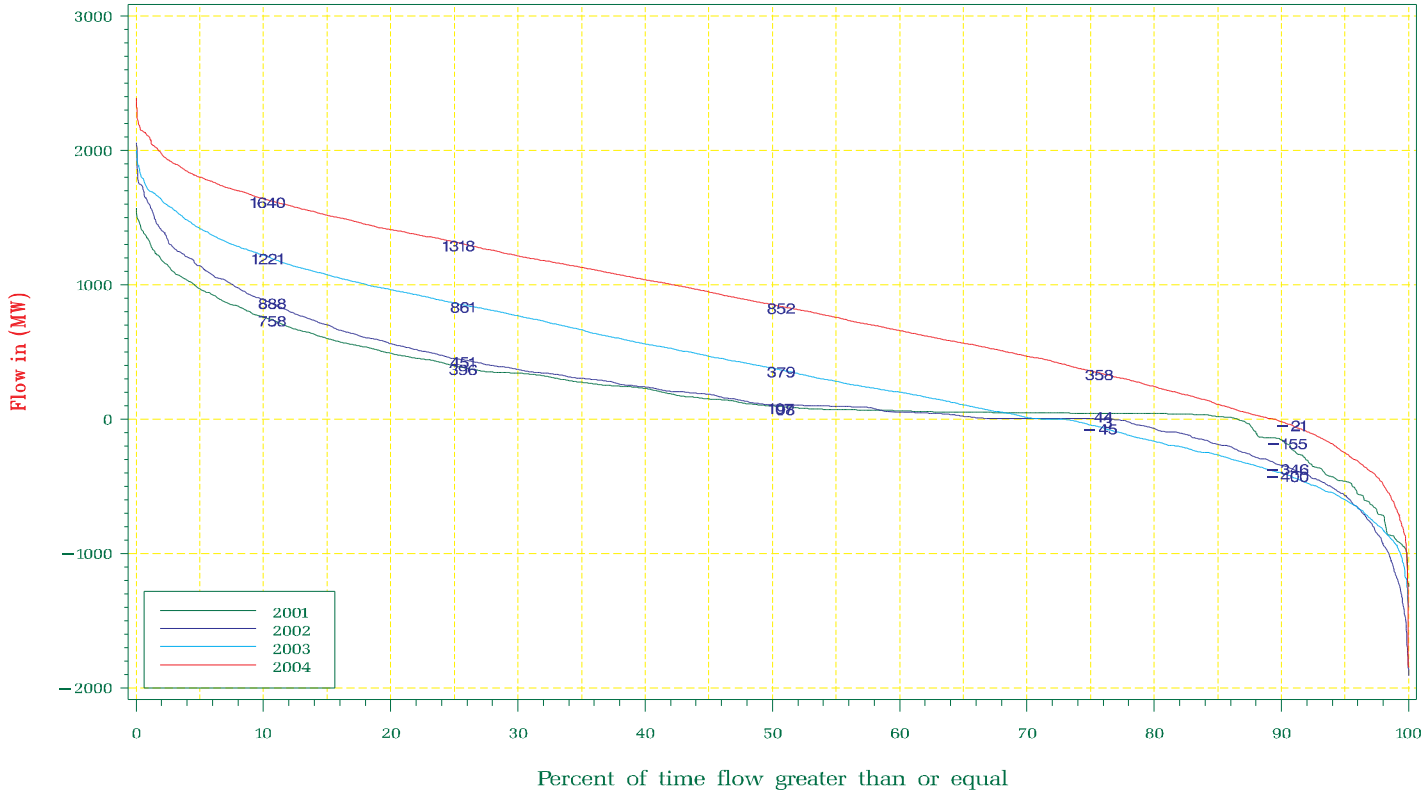
NYISO Frequency Interface Flow For January 2001 – December 2004

ONTARIO – NY SCHEDULE



NYISO Percent of time Interface Flow For January 2001 – December 2004

ONTARIO – NY SCHEDULE

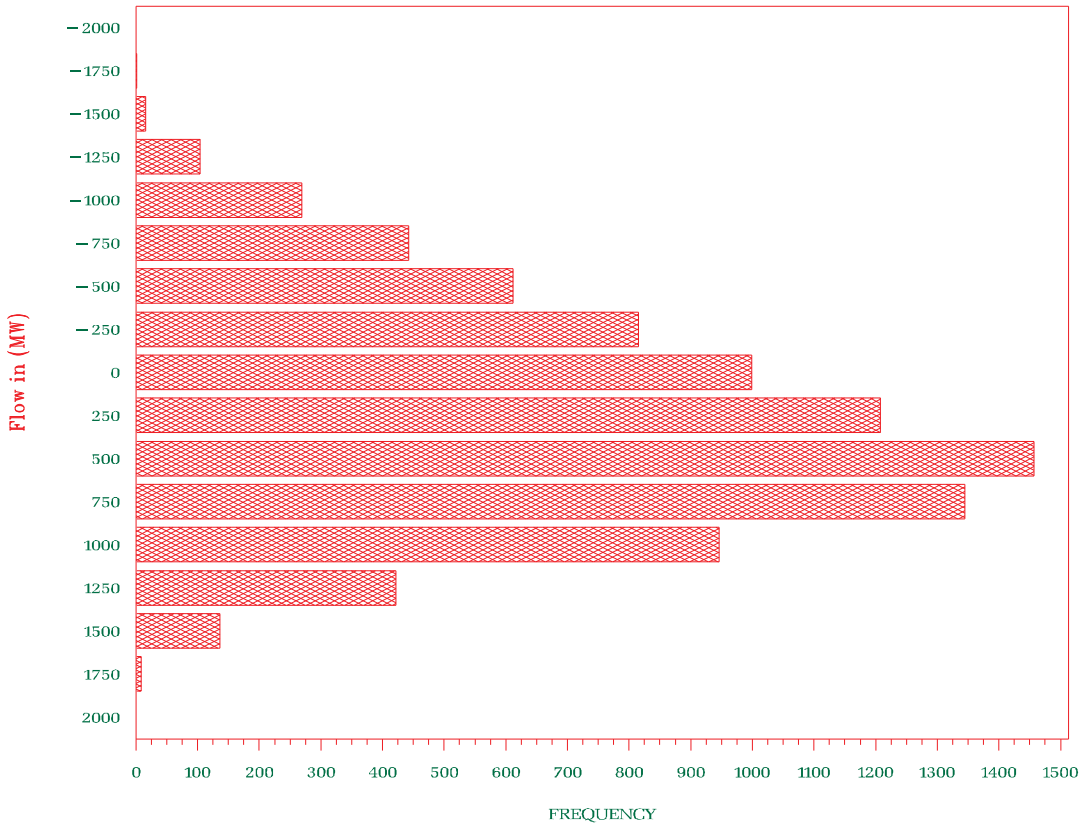


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

ONTARIO – NY SCHEDULE

NYISO Frequency Interface Flow For January – December 2004

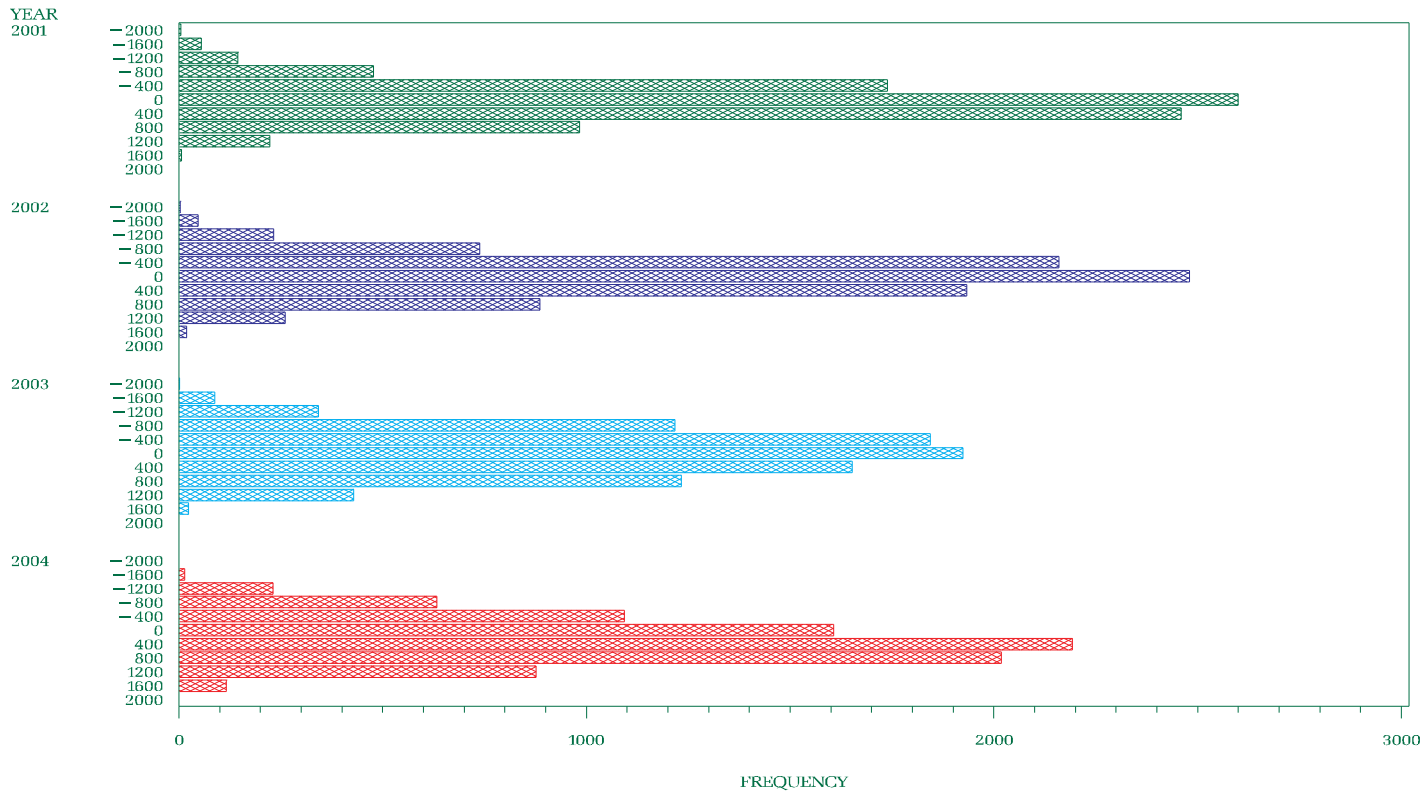
ONTARIO – NY



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-2000	0	0	0.00	0.00
-1750	1	1	0.01	0.01
-1500	16	17	0.18	0.19
-1250	104	121	1.18	1.38
-1000	269	390	3.06	4.44
-750	442	832	5.03	9.48
-500	612	1444	6.97	16.45
-250	815	2259	9.28	25.73
0	999	3258	11.38	37.11
250	1208	4466	13.76	50.87
500	1457	5923	16.59	67.46
750	1345	7268	15.32	82.78
1000	946	8214	10.77	93.55
1250	422	8636	4.81	98.36
1500	136	8772	1.55	99.91
1750	8	8780	0.09	100.00
2000	0	8780	0.00	100.00

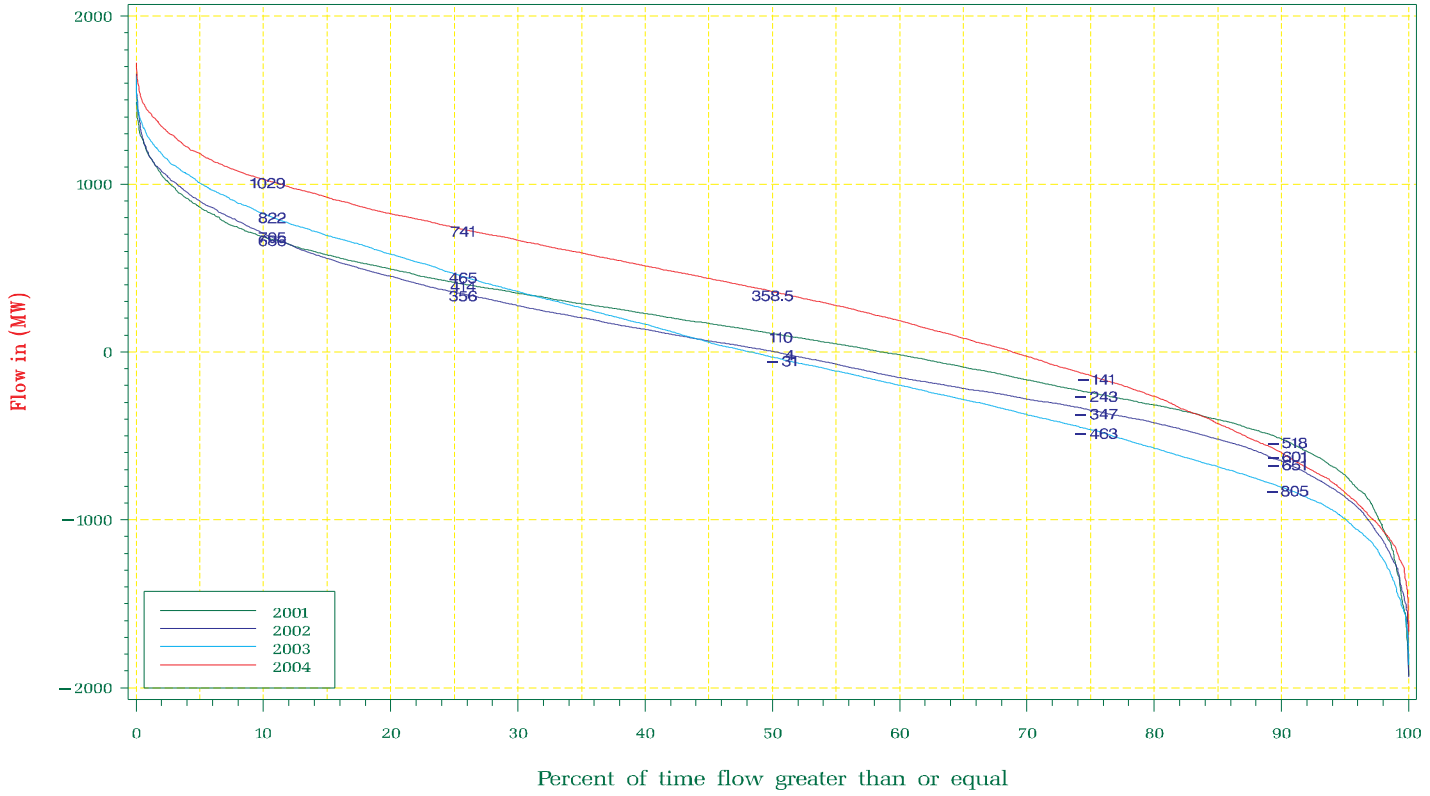
NYISO Frequency Interface Flow For January 2001 – December 2004

ONTARIO – NY



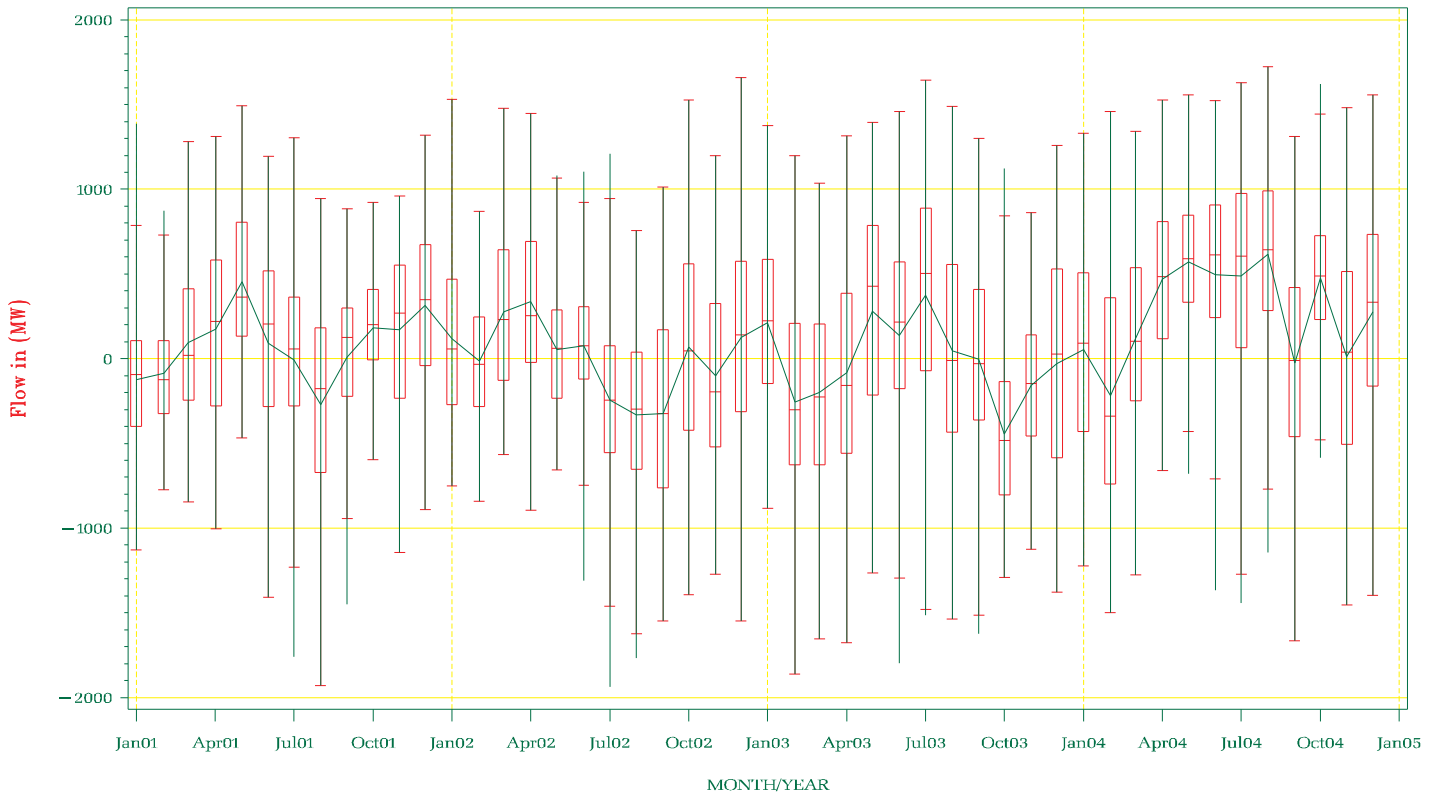
NYISO Percent of time Interface Flow For January 2001 – December 2004

ONTARIO – NY



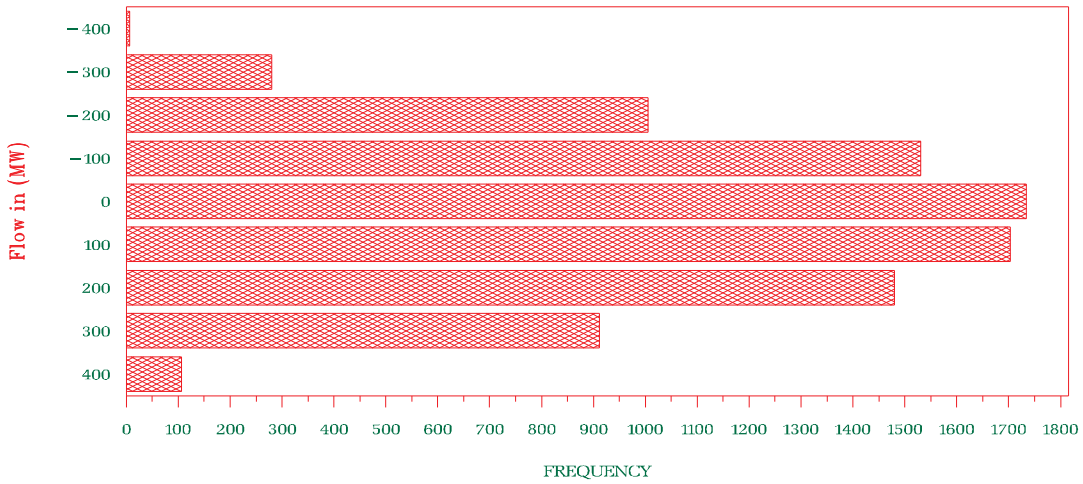
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

ONTARIO – NY



NYISO Frequency Interface Flow For January – December 2004

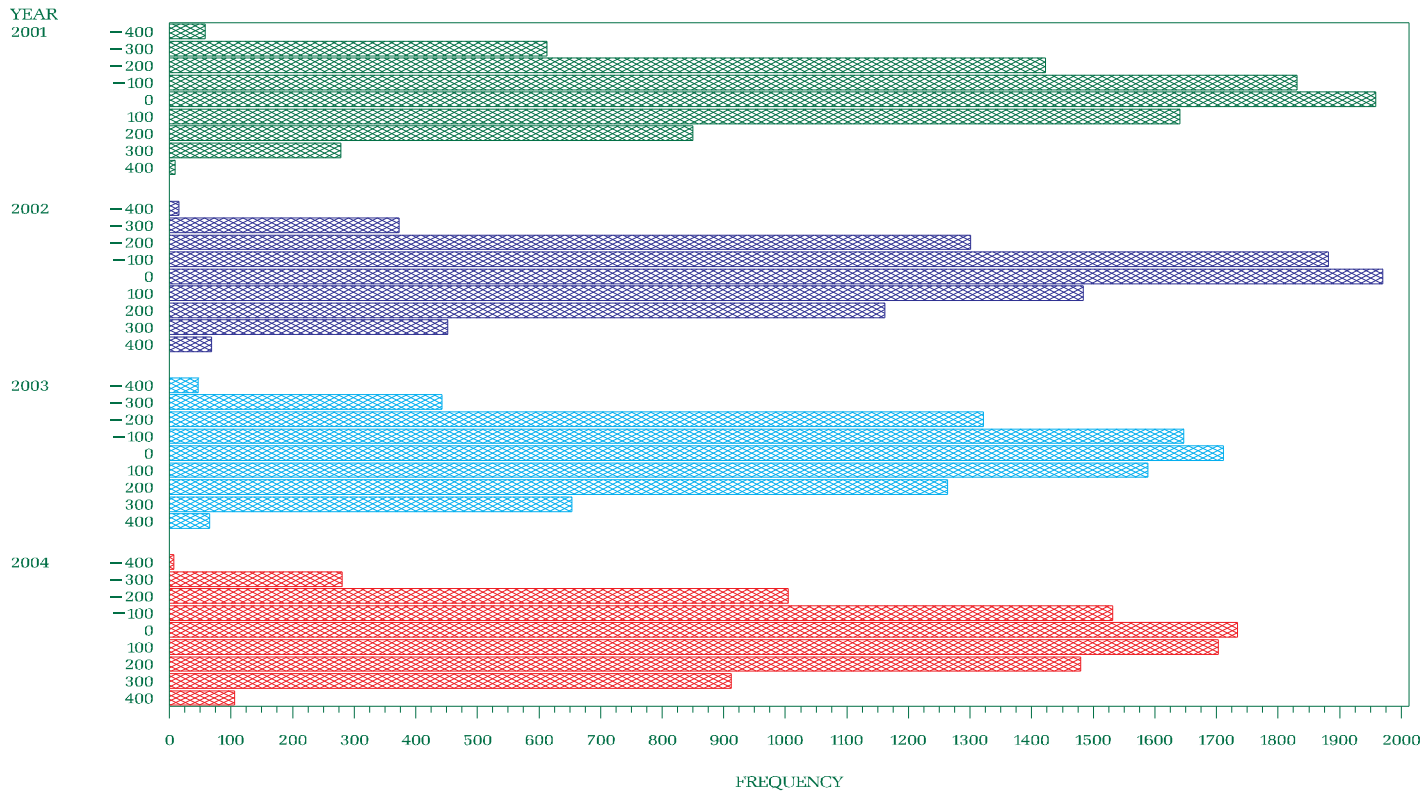
Ontario East – Adirondack



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-400	7	7	0.08	0.08
-300	280	287	3.20	3.28
-200	1005	1292	11.48	14.75
-100	1531	2823	17.48	32.23
0	1734	4557	19.80	52.03
100	1703	6260	19.45	71.48
200	1480	7740	16.90	88.38
300	912	8652	10.41	98.79
400	106	8758	1.21	100.00

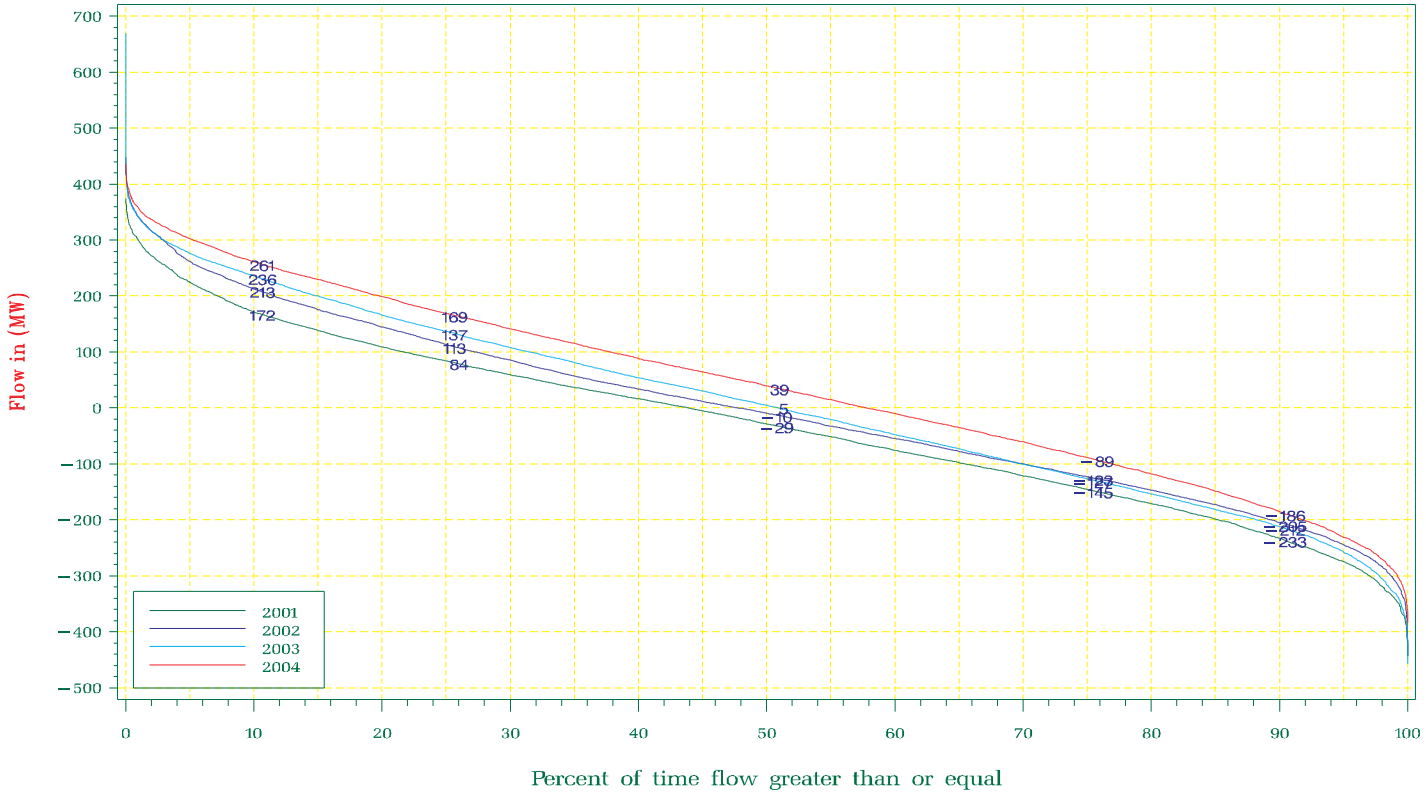
NYISO Frequency Interface Flow For January 2001 – December 2004

Ontario East – Adirondack



NYISO Percent of time Interface Flow For January 2001 – December 2004

Ontario East – Adirondack

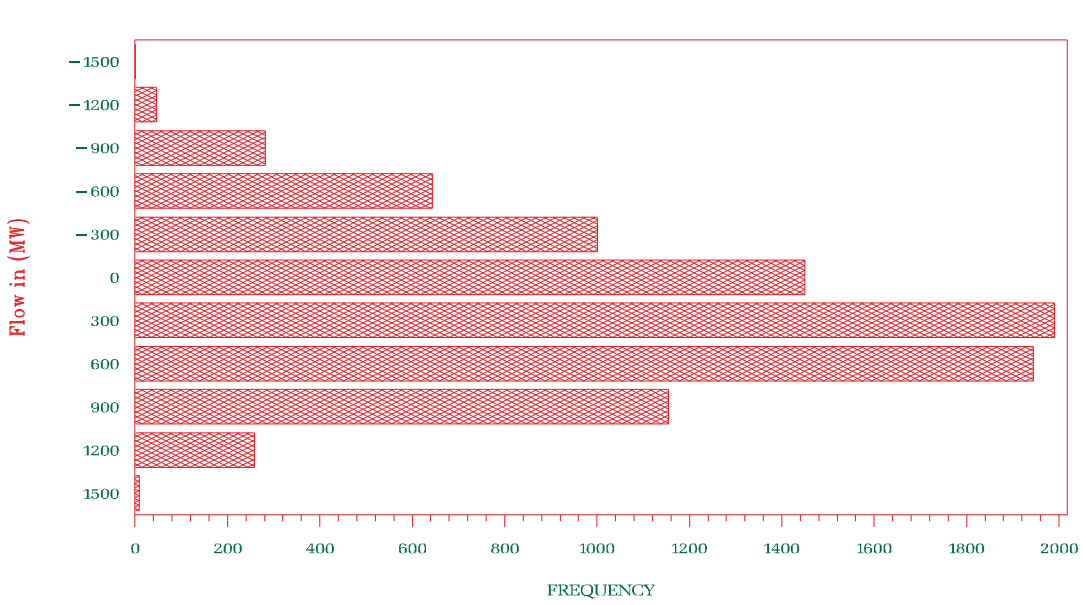


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Ontario East – Adirondack

NYISO Frequency Interface Flow For January – December 2004

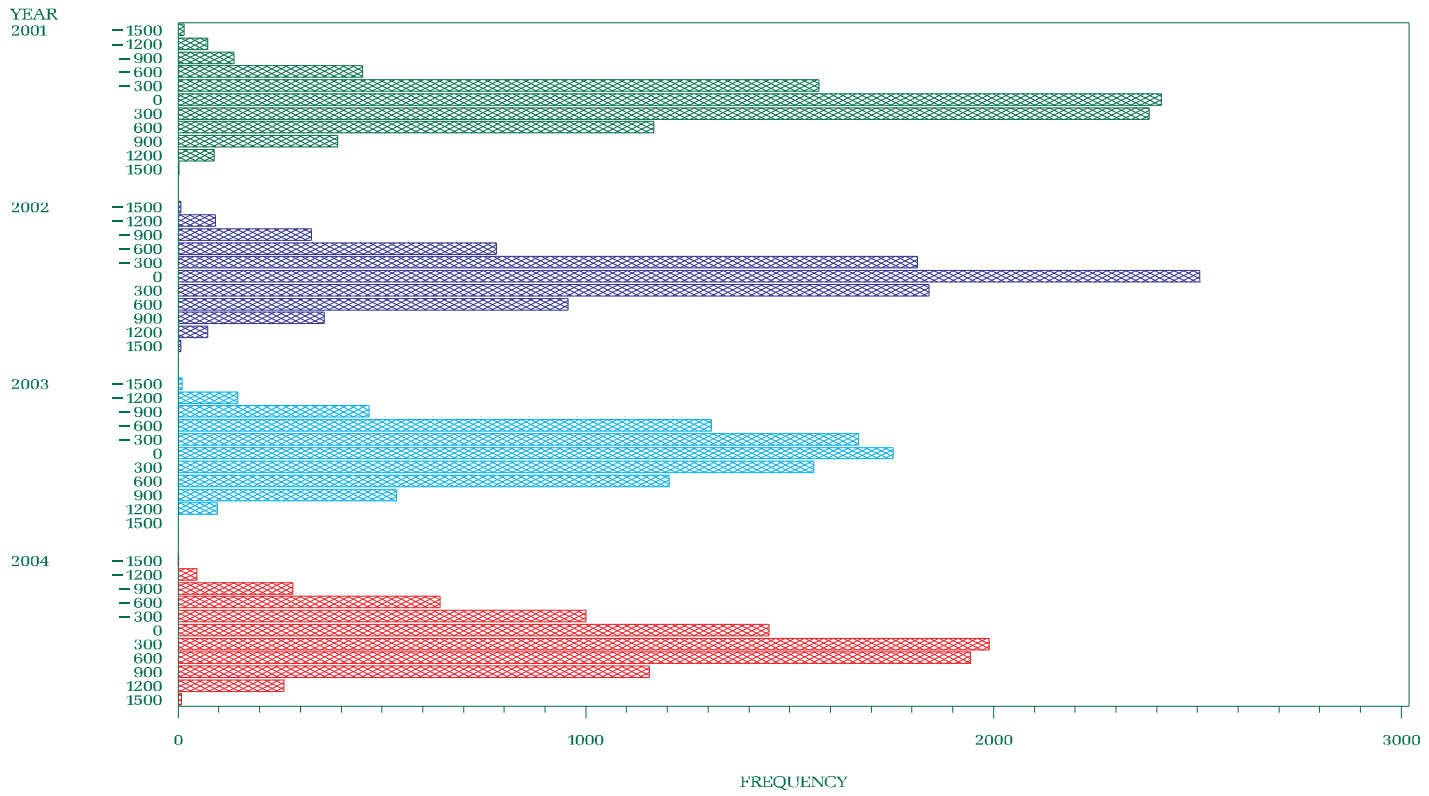
Ontario South – Frontier



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-1500	1	1	0.01	0.01
-1200	46	47	0.52	0.54
-900	282	329	3.21	3.75
-600	643	972	7.32	11.07
-300	1001	1973	11.40	22.47
0	1450	3423	16.51	38.99
300	1990	5413	22.67	61.65
600	1944	7357	22.14	83.79
900	1155	8512	13.15	96.95
1200	259	8771	2.95	99.90
1500	9	8780	0.10	100.00

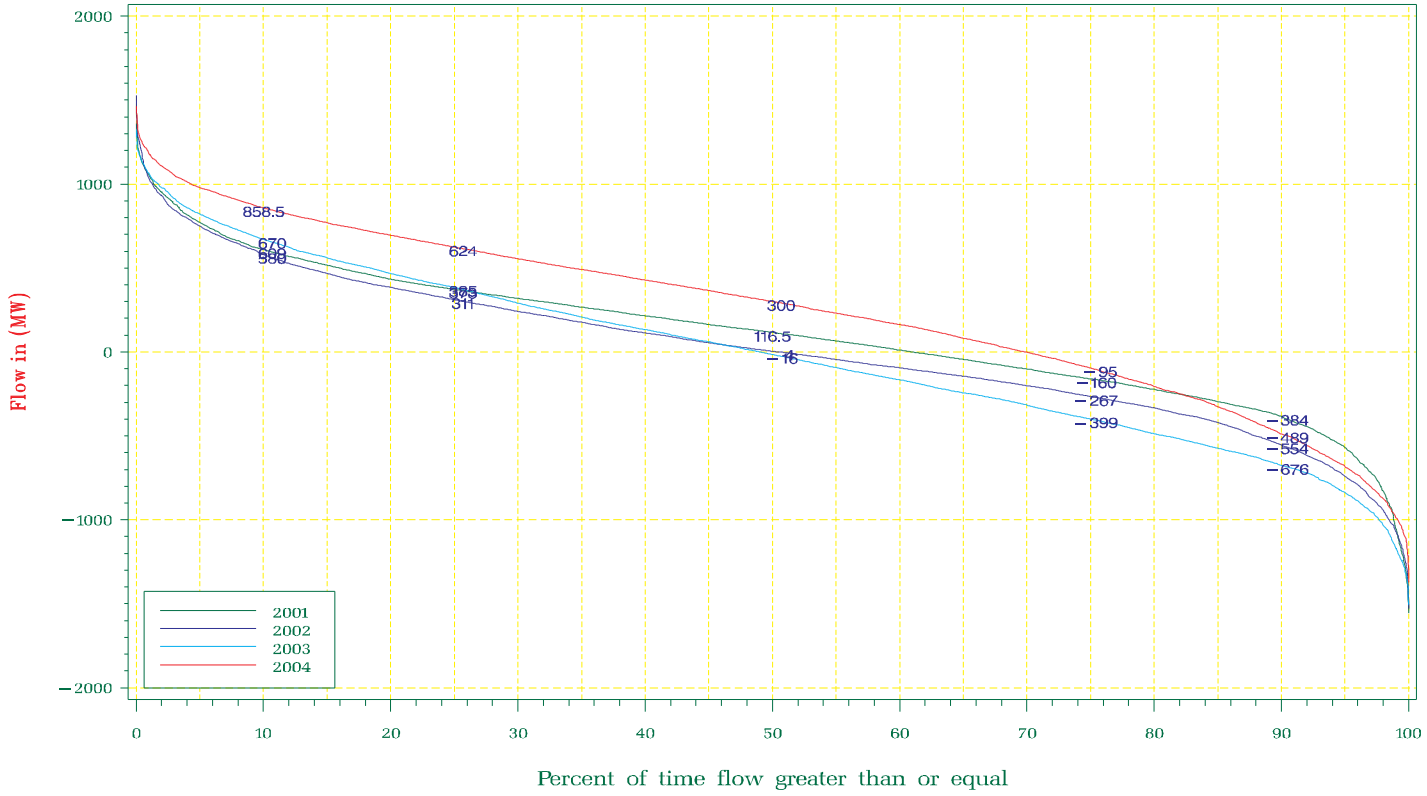
NYISO Frequency Interface Flow For January 2001 – December 2004

Ontario South – Frontier



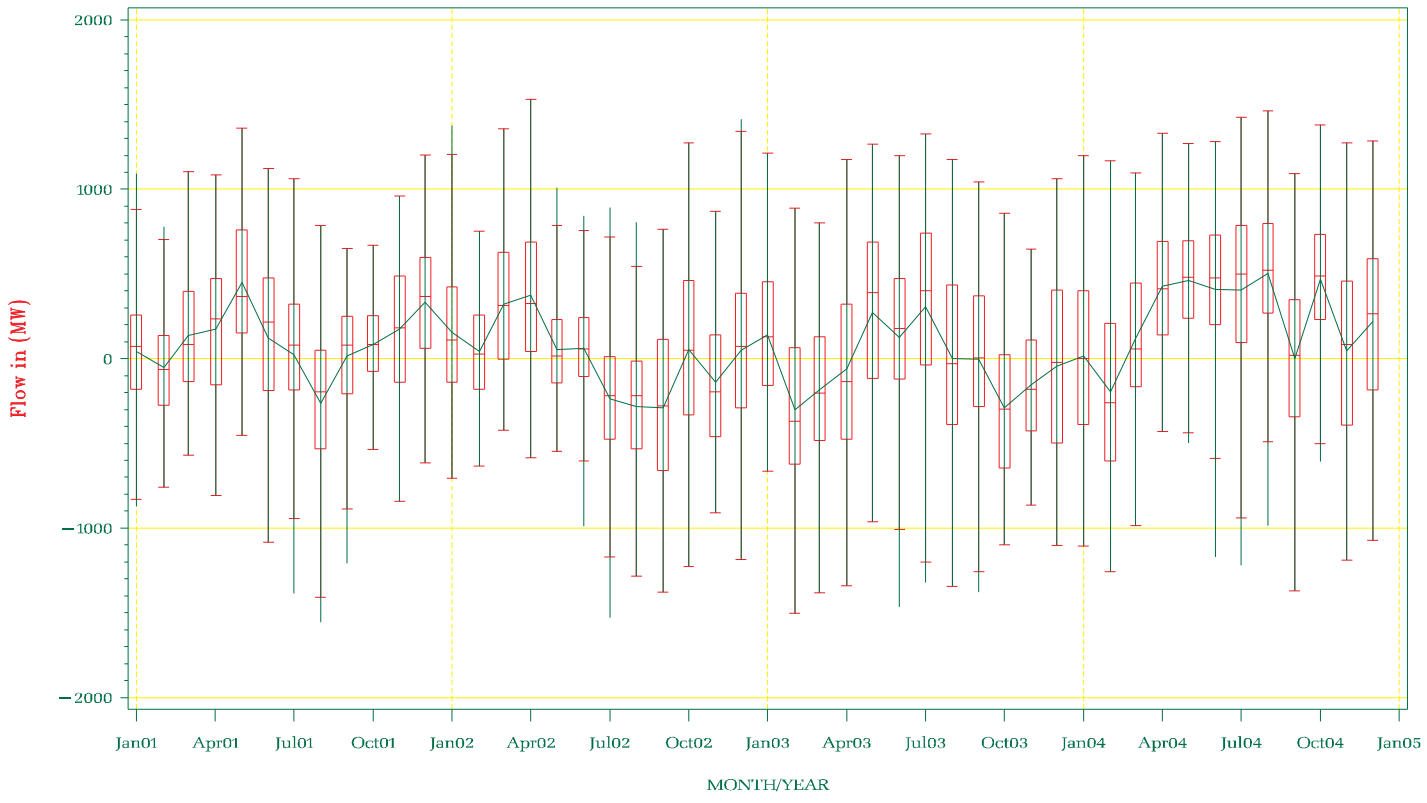
NYISO Percent of time Interface Flow For January 2001 – December 2004

Ontario South – Frontier



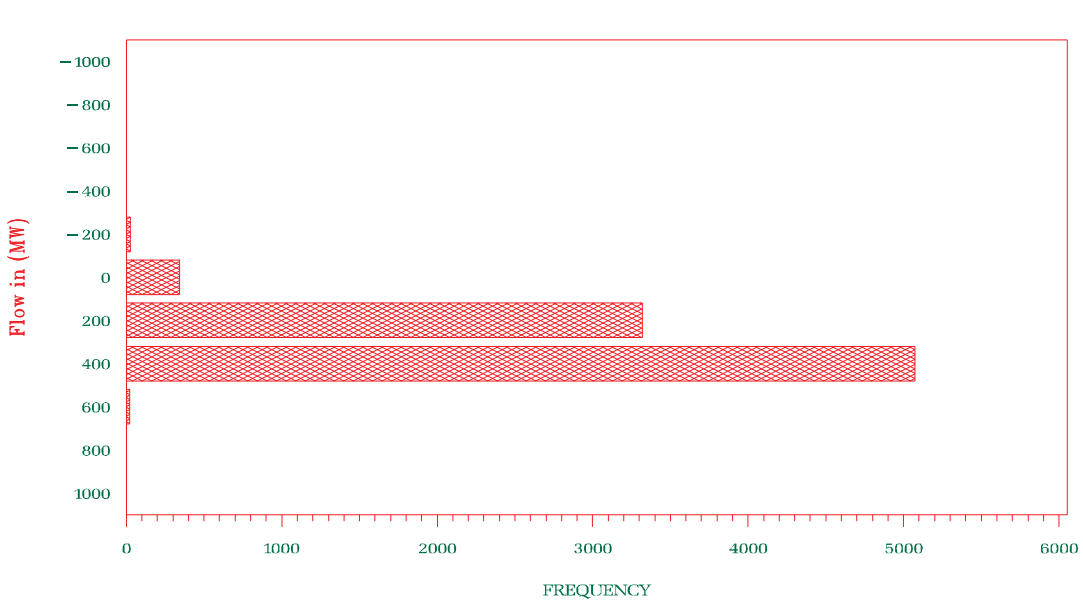
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Ontario South – Frontier



NYISO Frequency Interface Flow For January – December 2004

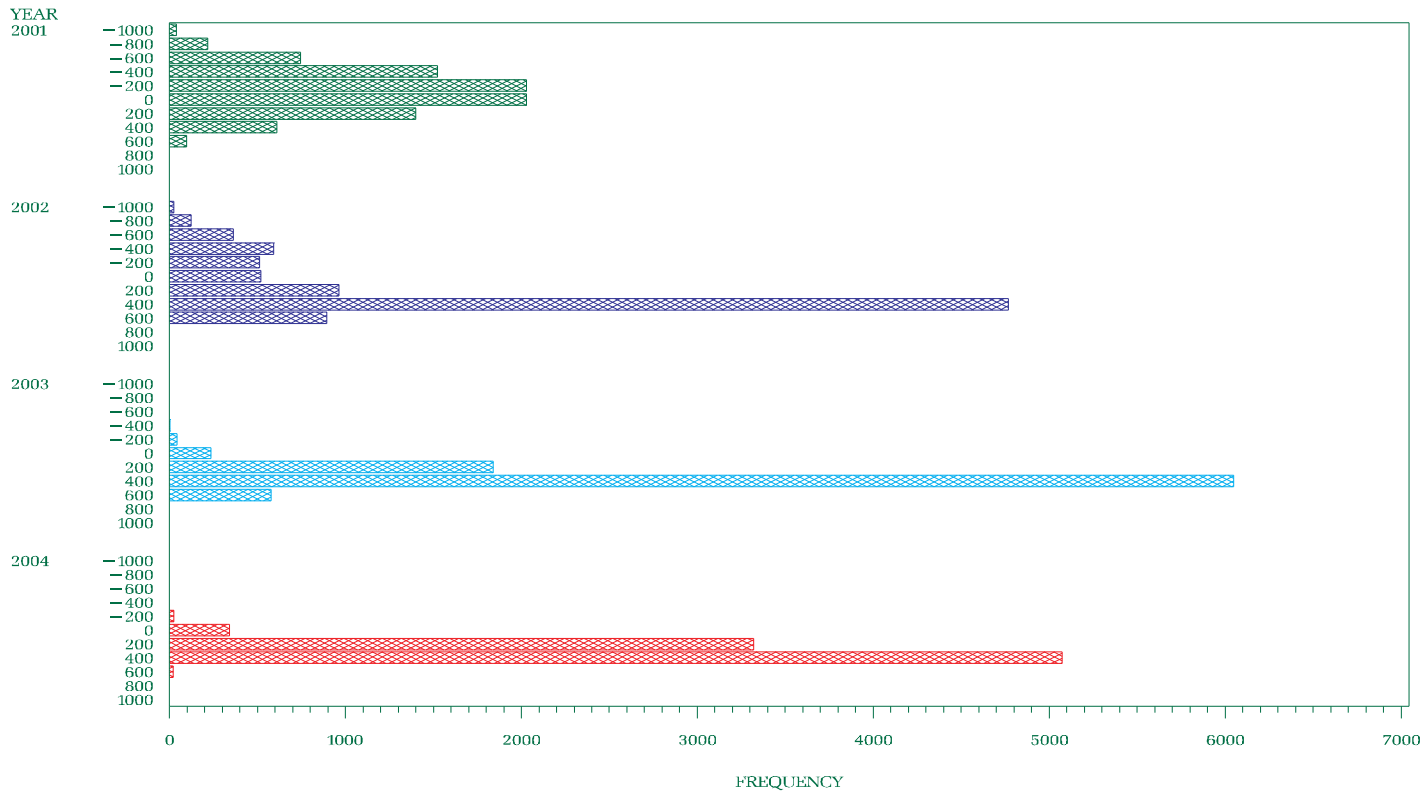
NY – ONTARIO COUNTER CLOCKWISE CIRCULATION



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-1000	0	0	0.00	0.00
-800	0	0	0.00	0.00
-600	0	0	0.00	0.00
-400	0	0	0.00	0.00
-200	26	26	0.30	0.30
0	341	367	3.88	4.18
200	3319	3686	37.80	41.98
400	5073	8759	57.78	99.76
600	21	8780	0.24	100.00
800	0	8780	0.00	100.00
1000	0	8780	0.00	100.00

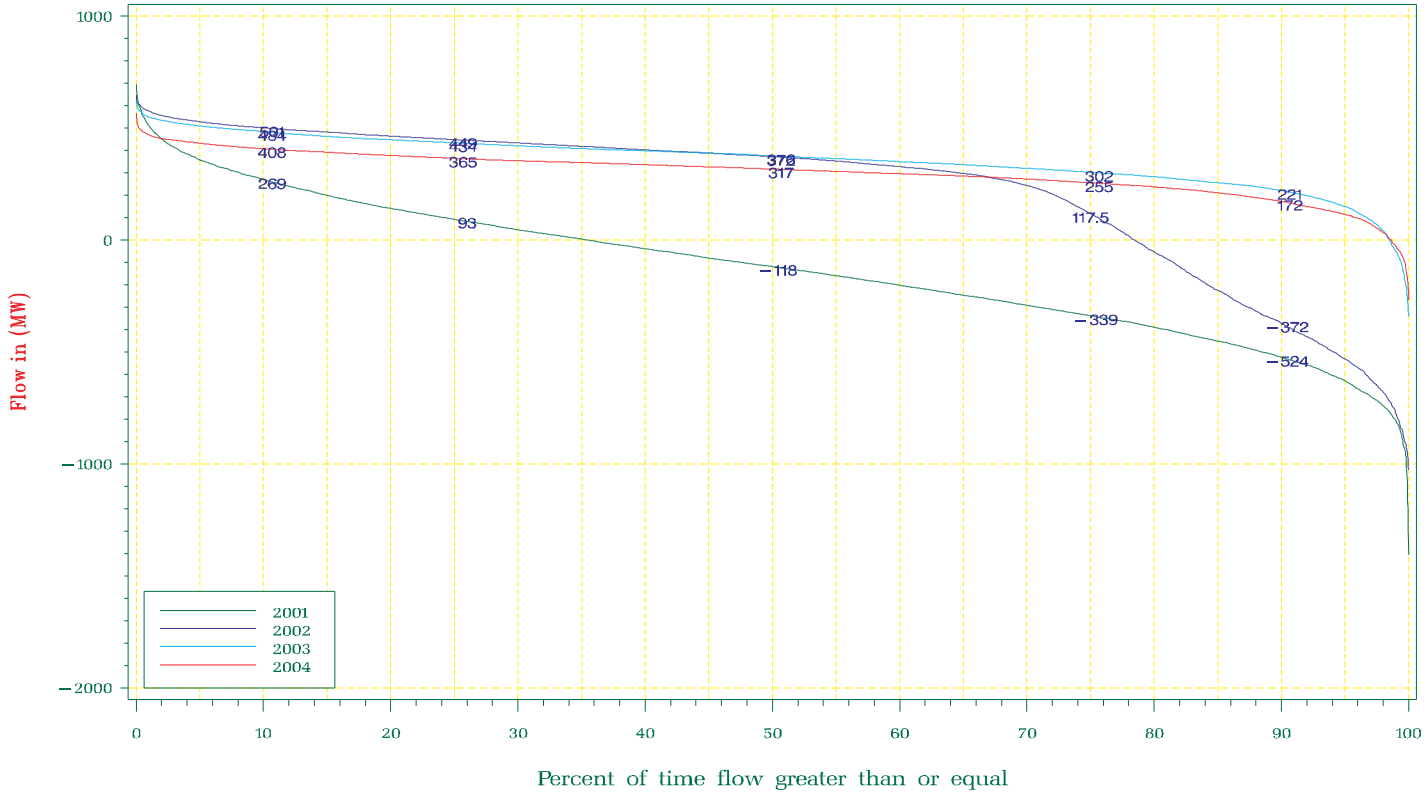
NYISO Frequency Interface Flow For January 2001 – December 2004

NY – ONTARIO COUNTER CLOCKWISE CIRCULATION



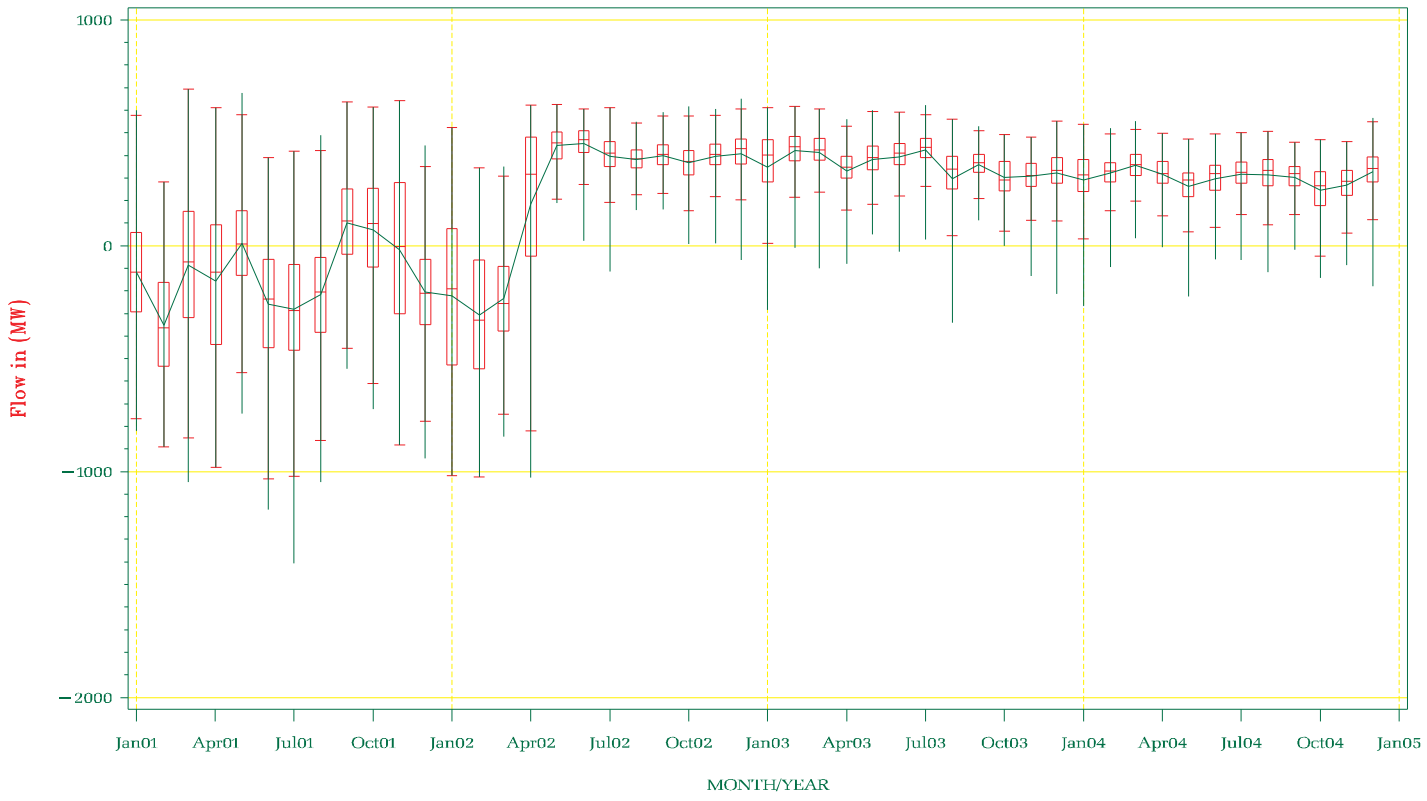
NYISO Percent of time Interface Flow For January 2001 – December 2004

NY – ONTARIO COUNTER CLOCKWISE CIRCULATION



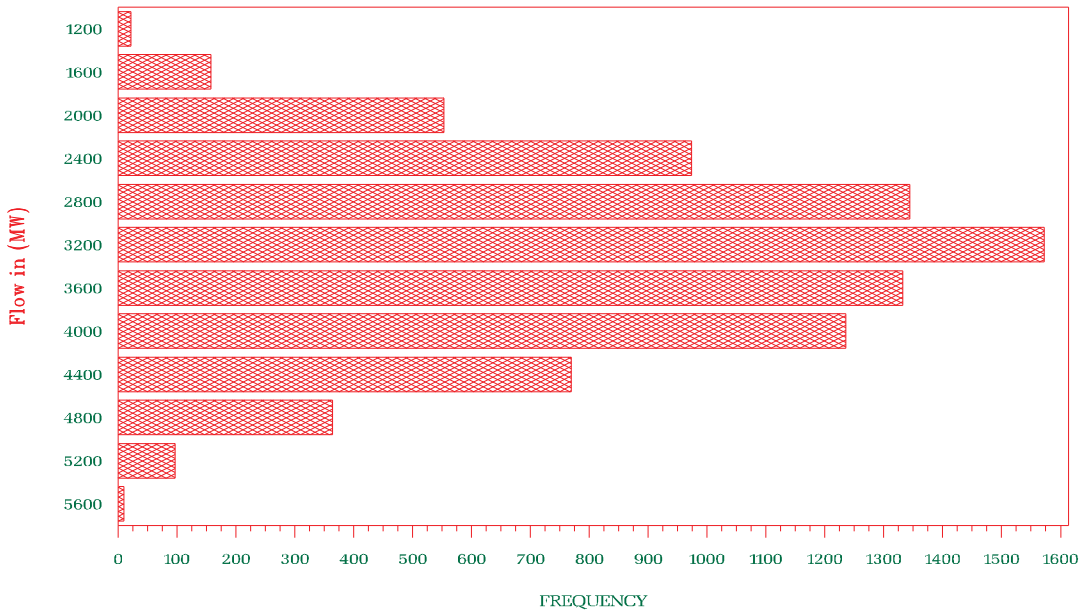
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

NY – ONTARIO COUNTER CLOCKWISE CIRCULATION



NYISO Frequency Interface Flow For January – December 2004

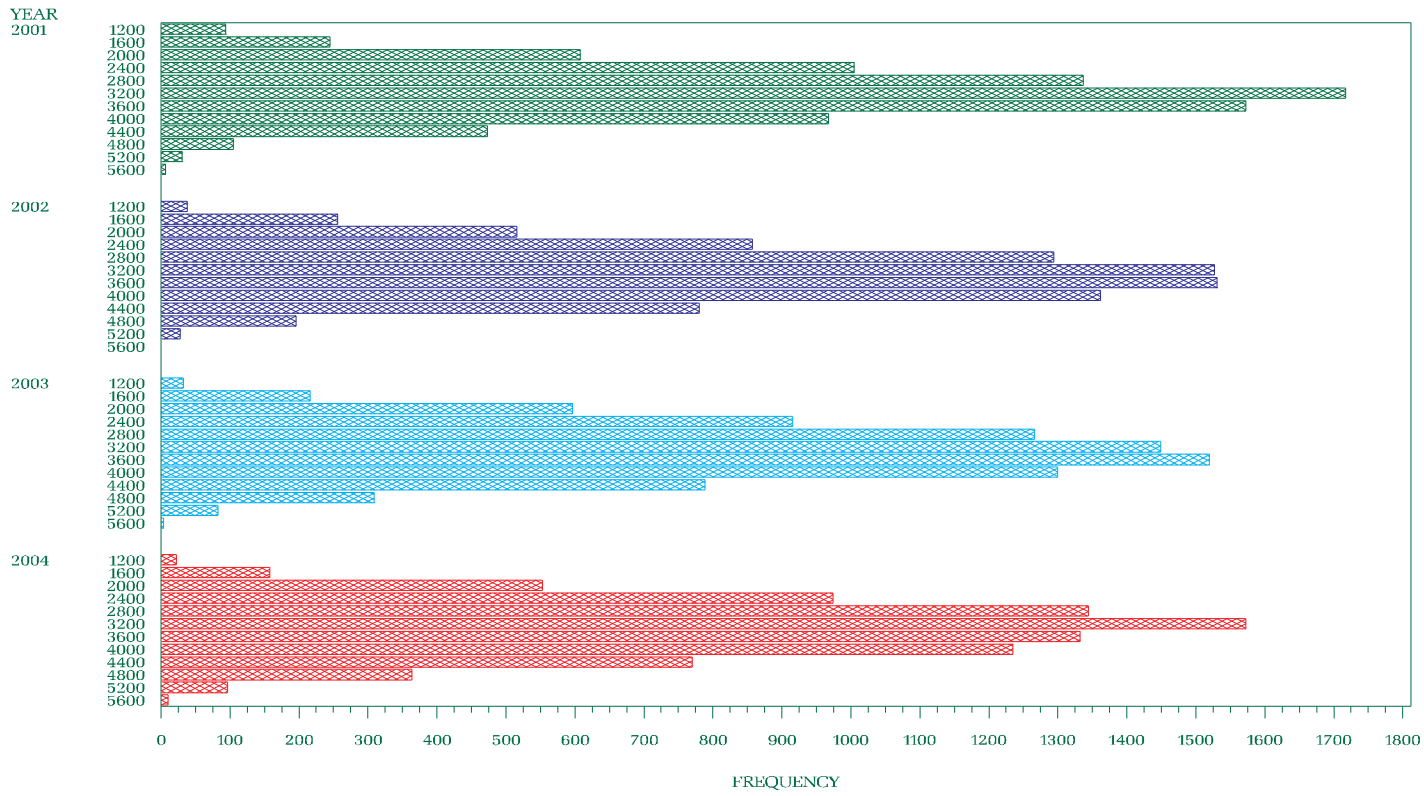
UPNY – SENY (OPEN)



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1200	22	22	0.26	0.26
1600	158	180	1.87	2.13
2000	553	733	6.56	8.69
2400	974	1707	11.55	20.25
2800	1344	3051	15.94	36.19
3200	1572	4623	18.65	54.83
3600	1332	5955	15.80	70.63
4000	1235	7190	14.65	85.28
4400	770	7960	9.13	94.41
4800	364	8324	4.32	98.73
5200	97	8421	1.15	99.88
5600	10	8431	0.12	100.00

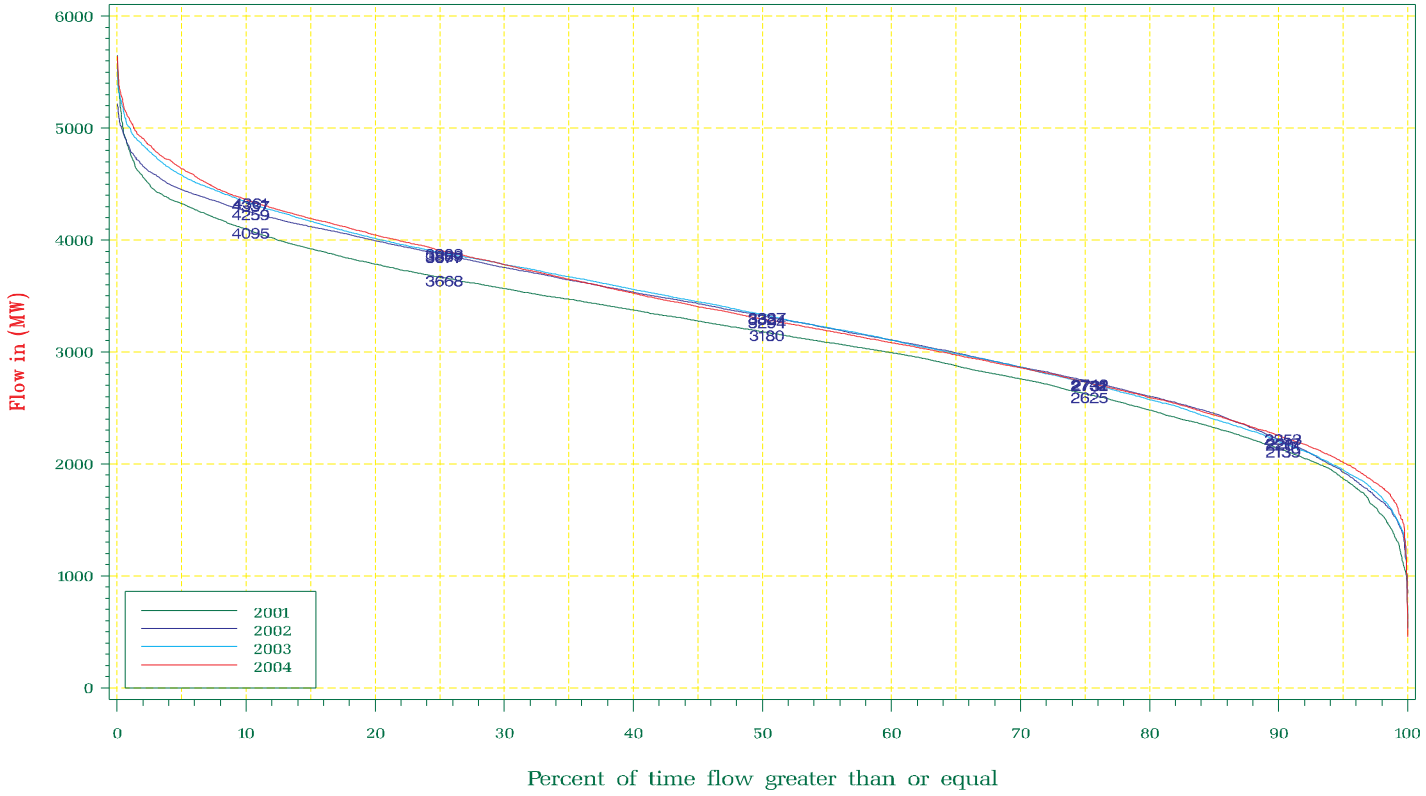
NYISO Frequency Interface Flow For January 2001 – December 2004

UPNY – SENY (OPEN)



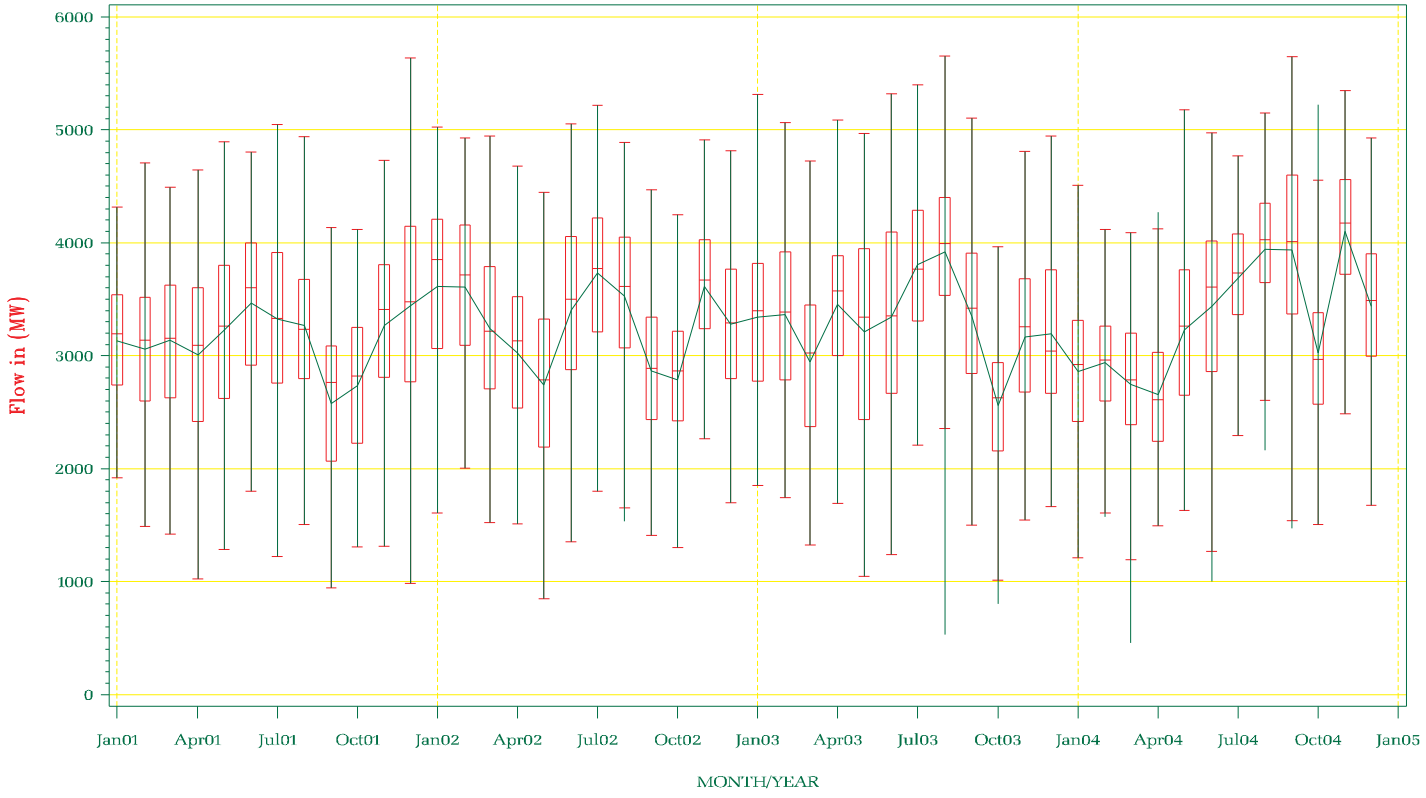
NYISO Percent of time Interface Flow For January 2001 – December 2004

UPNY – SENY (OPEN)



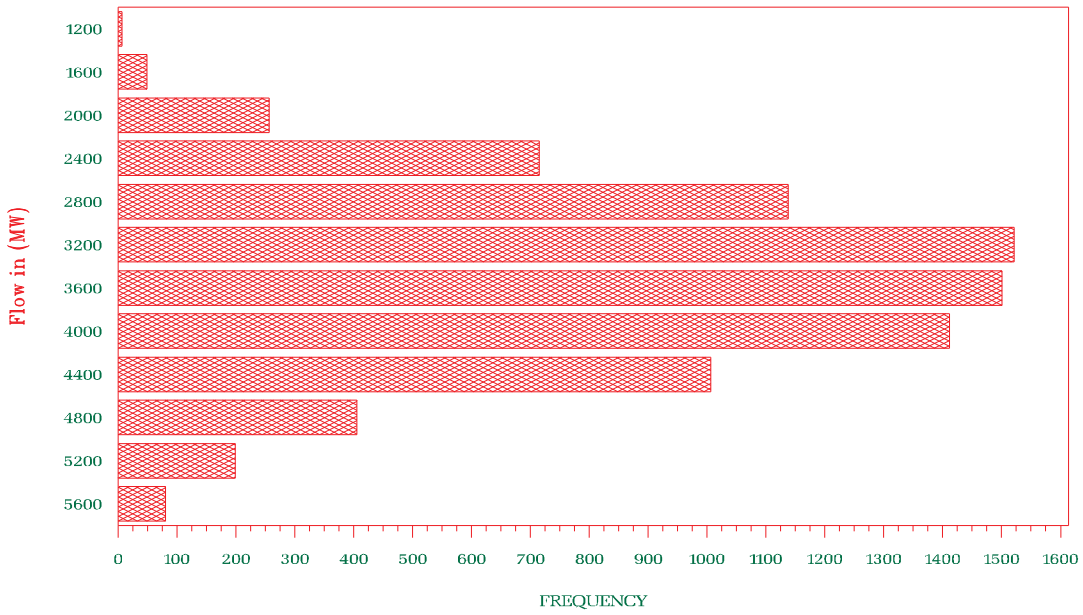
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

UPNY – SENY (OPEN)



NYISO Frequency Interface Flow For January – December 2004

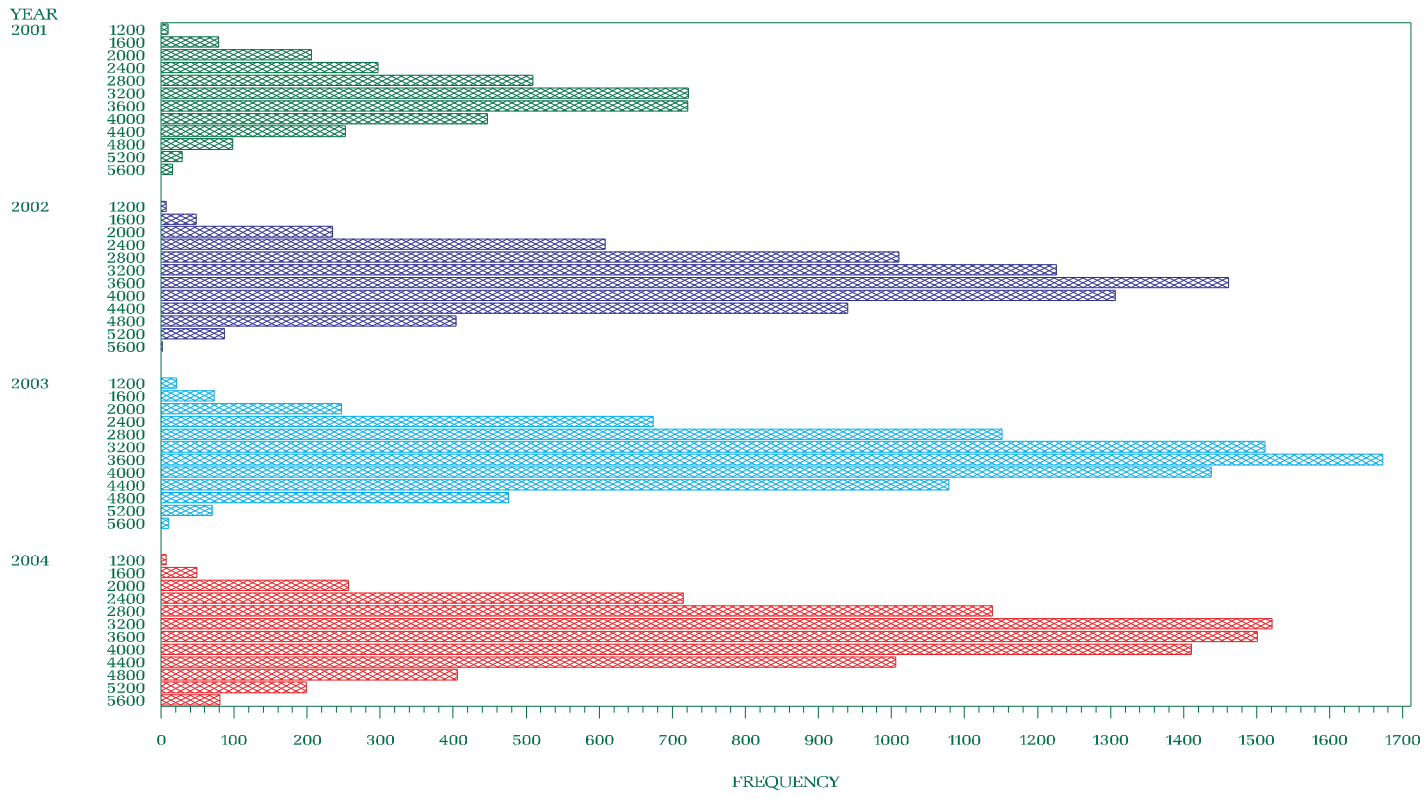
UPNY – SENY (CLOSED)



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1200	7	7	0.08	0.08
1600	49	56	0.59	0.68
2000	257	313	3.10	3.78
2400	715	1028	8.62	12.40
2800	1138	2166	13.73	26.12
3200	1521	3687	18.35	44.47
3600	1501	5188	18.10	62.57
4000	1411	6599	17.02	79.59
4400	1006	7605	12.13	91.73
4800	406	8011	4.90	96.62
5200	199	8210	2.40	99.02
5600	81	8291	0.98	100.00

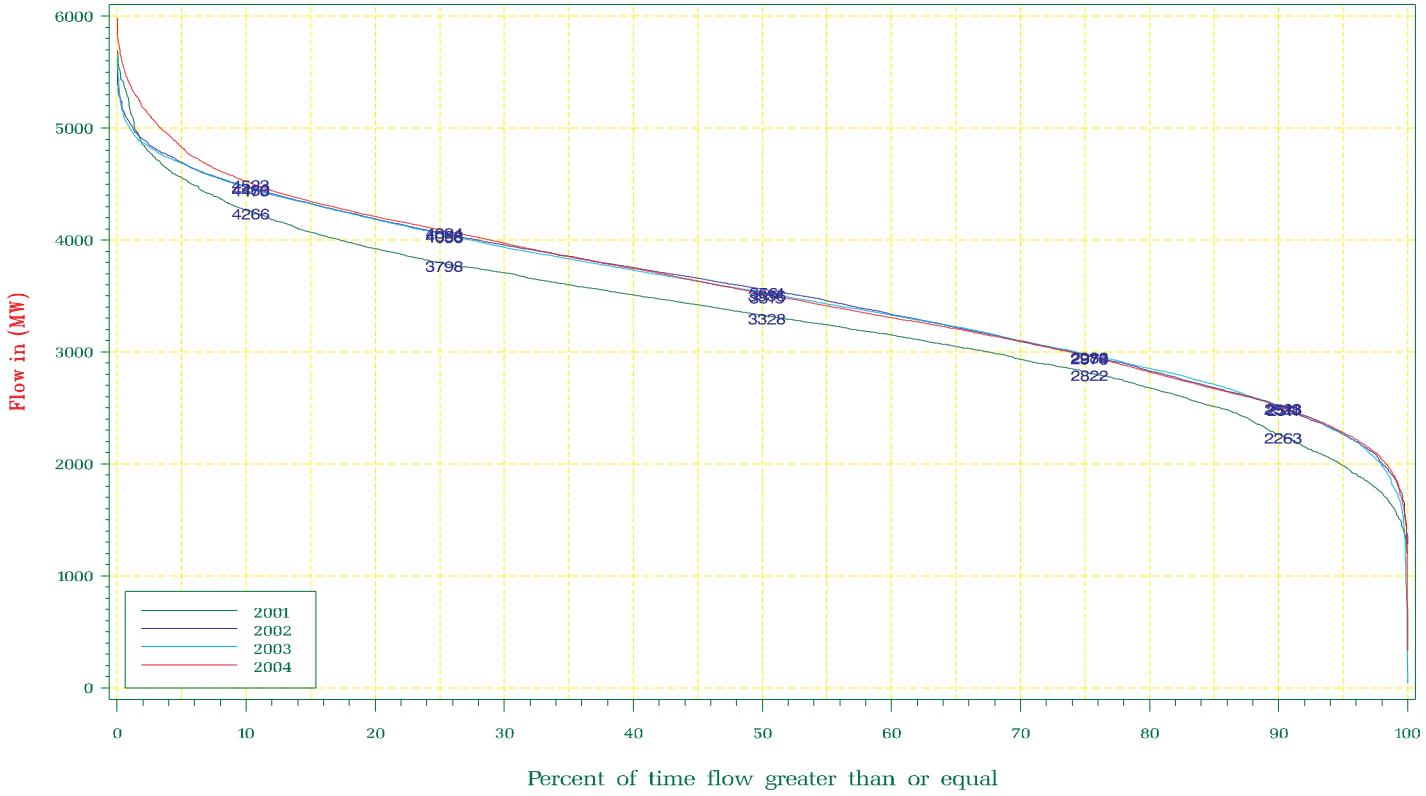
NYISO Frequency Interface Flow For January 2001 – December 2004

UPNY – SENY (CLOSED)



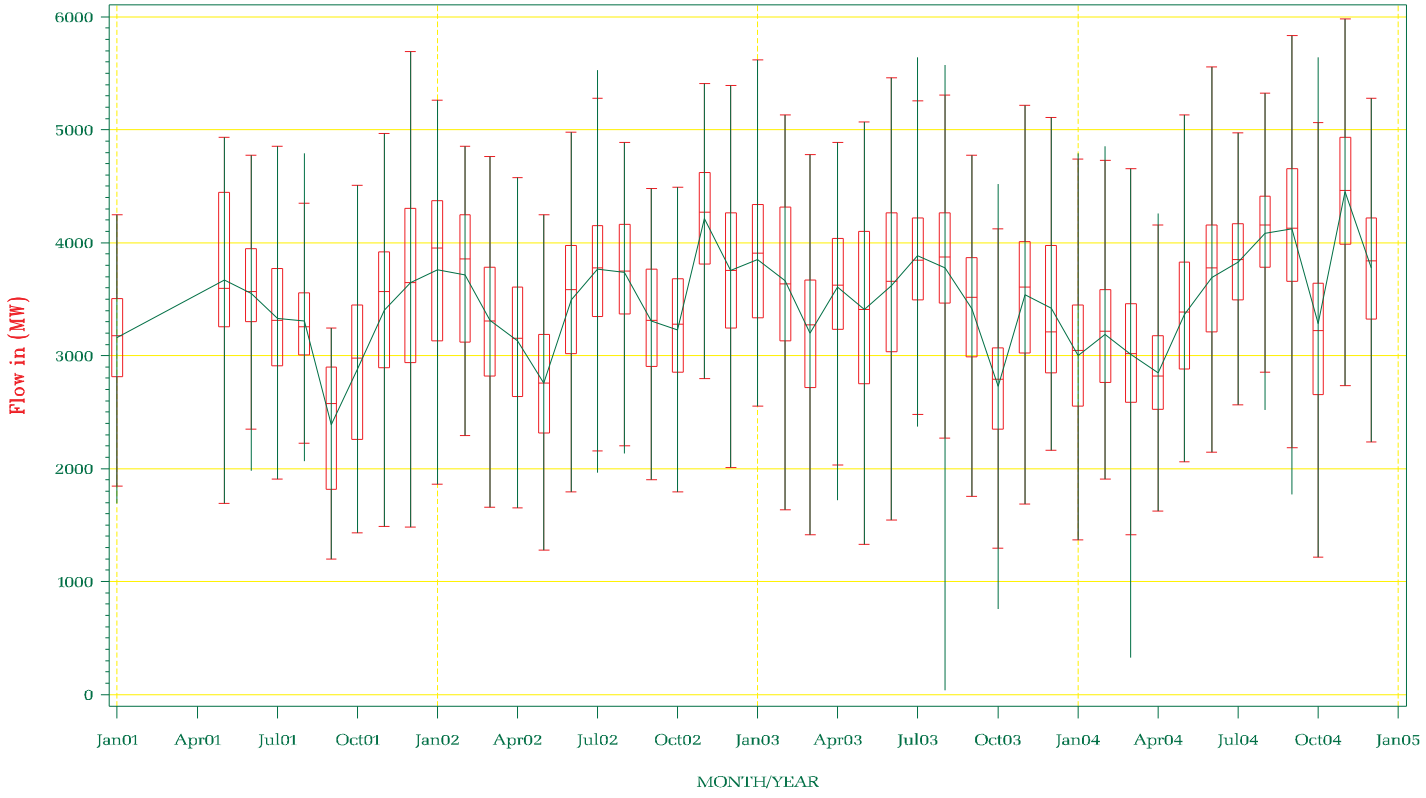
NYISO Percent of time Interface Flow For January 2001 – December 2004

UPNY – SENY (CLOSED)



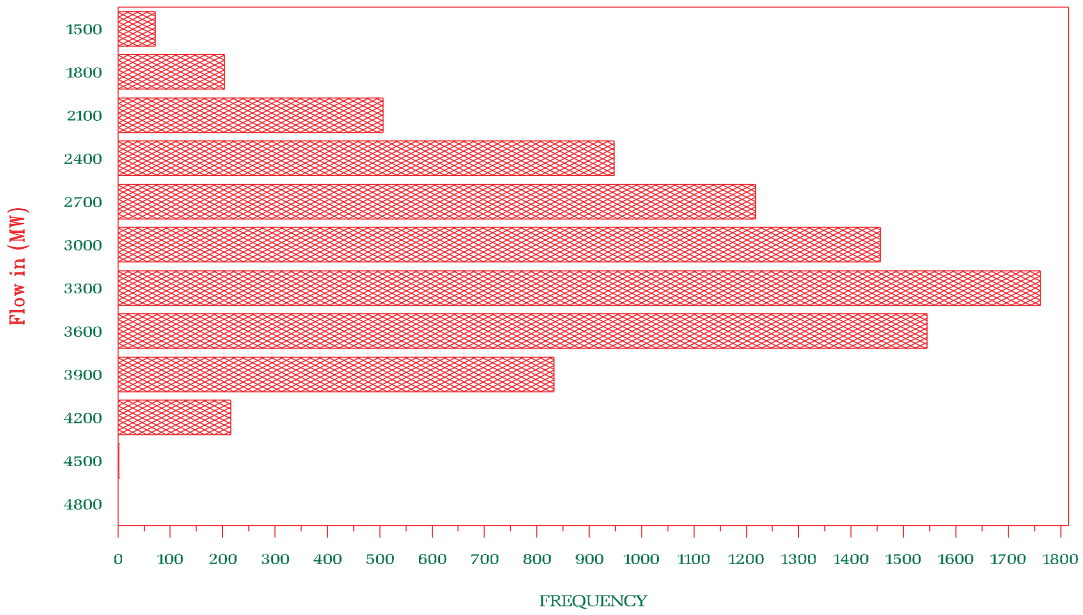
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

UPNY – SENY (CLOSED)



NYISO Frequency Interface Flow For January – December 2004

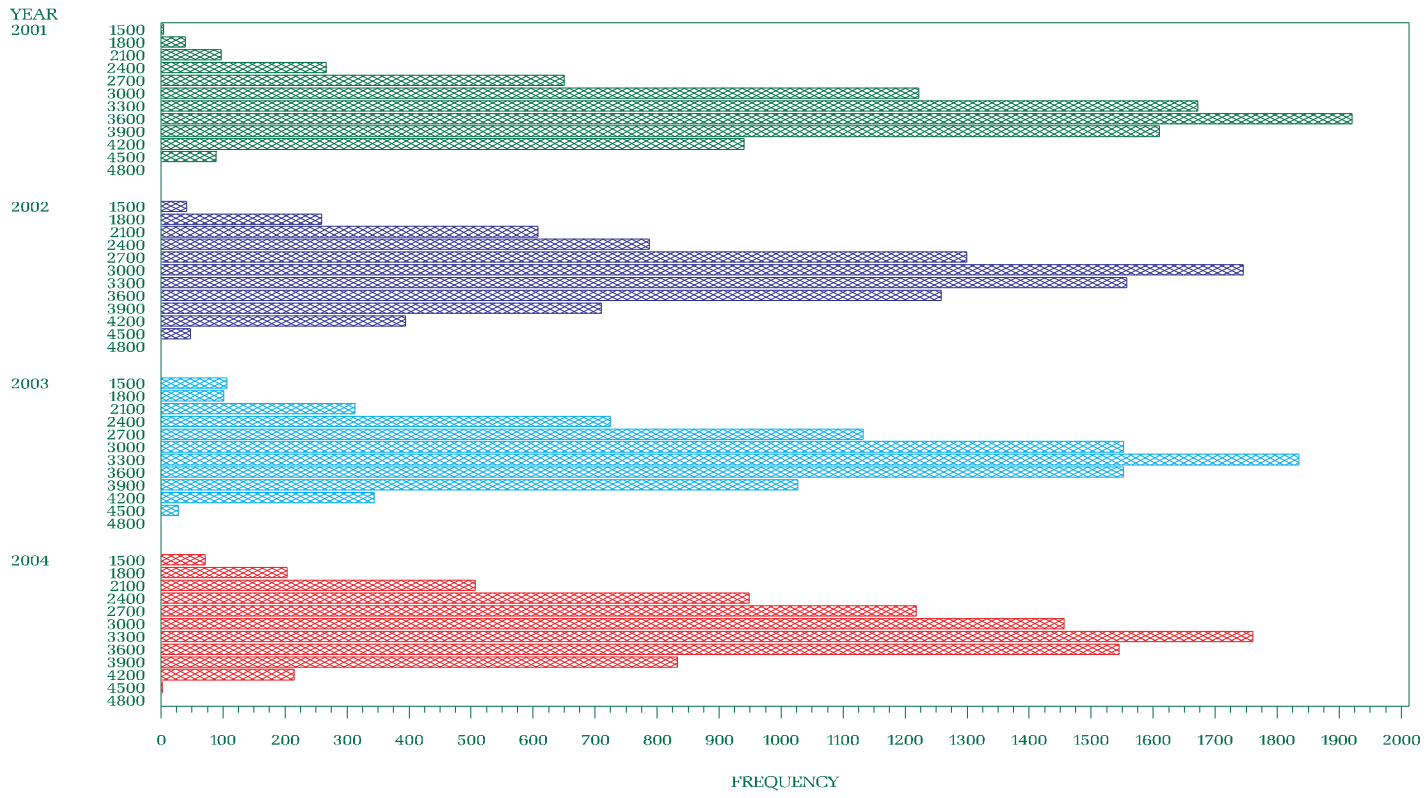
Volney – East (OPEN)



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1500	71	71	0.81	0.81
1800	203	274	2.32	3.13
2100	507	781	5.79	8.92
2400	948	1729	10.82	19.74
2700	1218	2947	13.91	33.65
3000	1456	4403	16.62	50.27
3300	1761	6164	20.11	70.37
3600	1545	7709	17.64	88.01
3900	833	8542	9.51	97.52
4200	215	8757	2.45	99.98
4500	2	8759	0.02	100.00
4800	0	8759	0.00	100.00

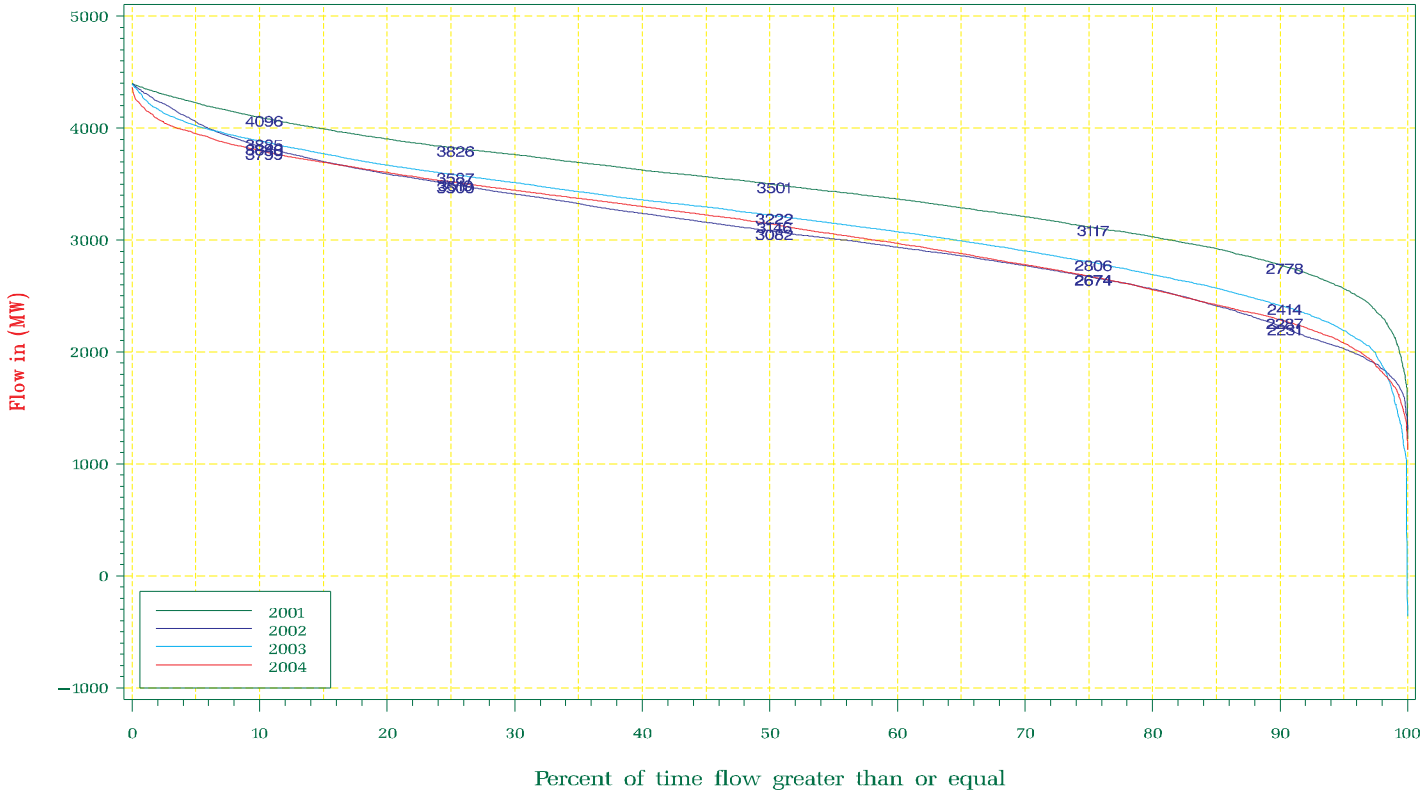
NYISO Frequency Interface Flow For January 2001 – December 2004

Volney – East (OPEN)



NYISO Percent of time Interface Flow For January 2001 – December 2004

Volney – East (OPEN)

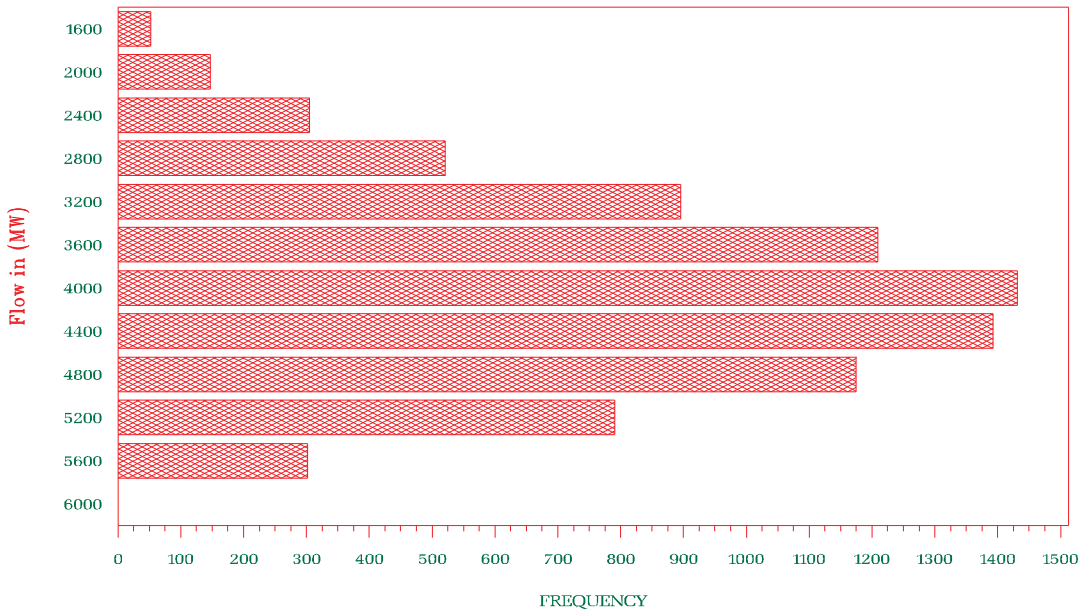


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Volney – East (OPEN)

NYISO Frequency Interface Flow For January – December 2004

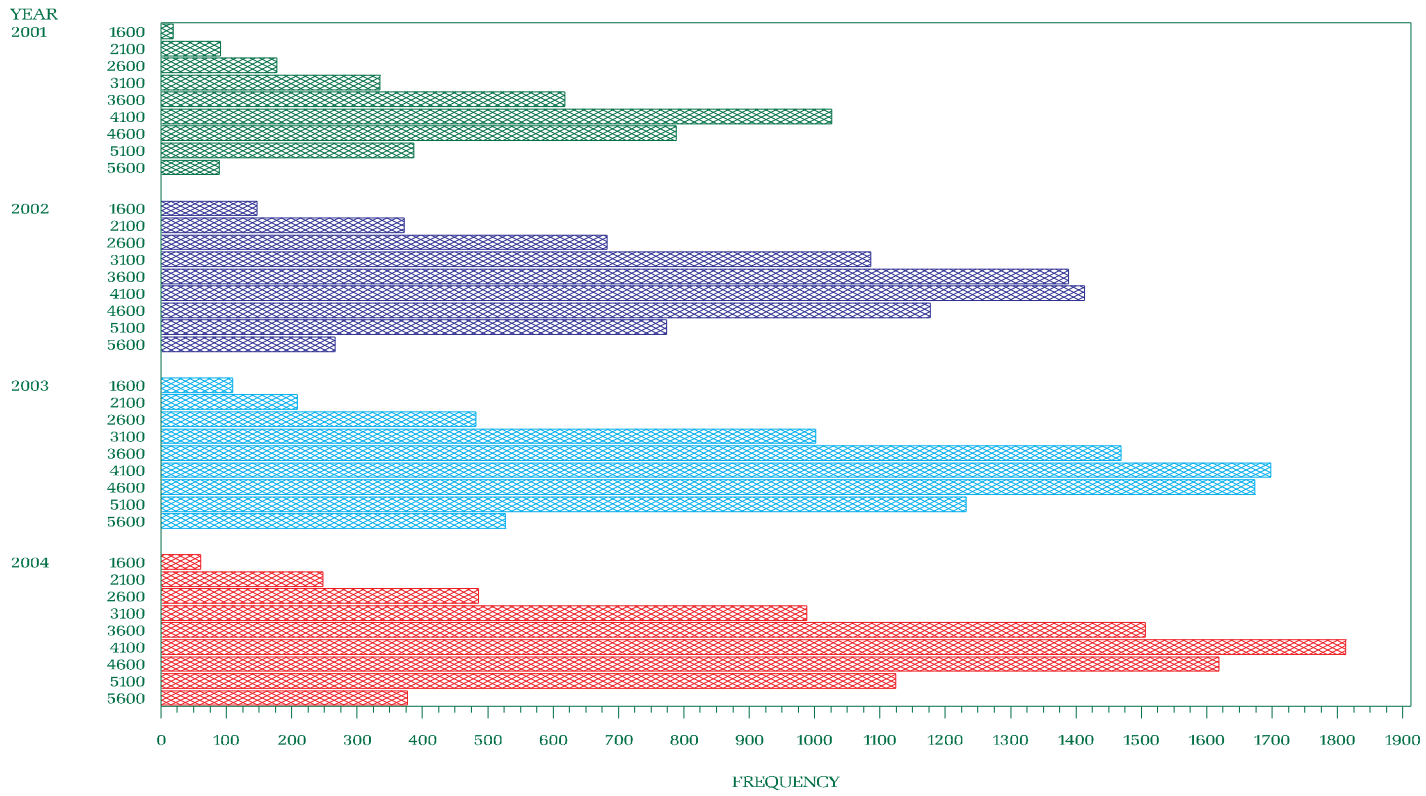
Volney – East (CLOSED)



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1600	52	52	0.63	0.63
2000	147	199	1.79	2.42
2400	305	504	3.71	6.13
2800	521	1025	6.34	12.47
3200	896	1921	10.90	23.36
3600	1209	3130	14.70	38.07
4000	1431	4561	17.40	55.47
4400	1393	5954	16.94	72.42
4800	1175	7129	14.29	86.71
5200	791	7920	9.62	96.33
5600	302	8222	3.67	100.00
6000	0	8222	0.00	100.00

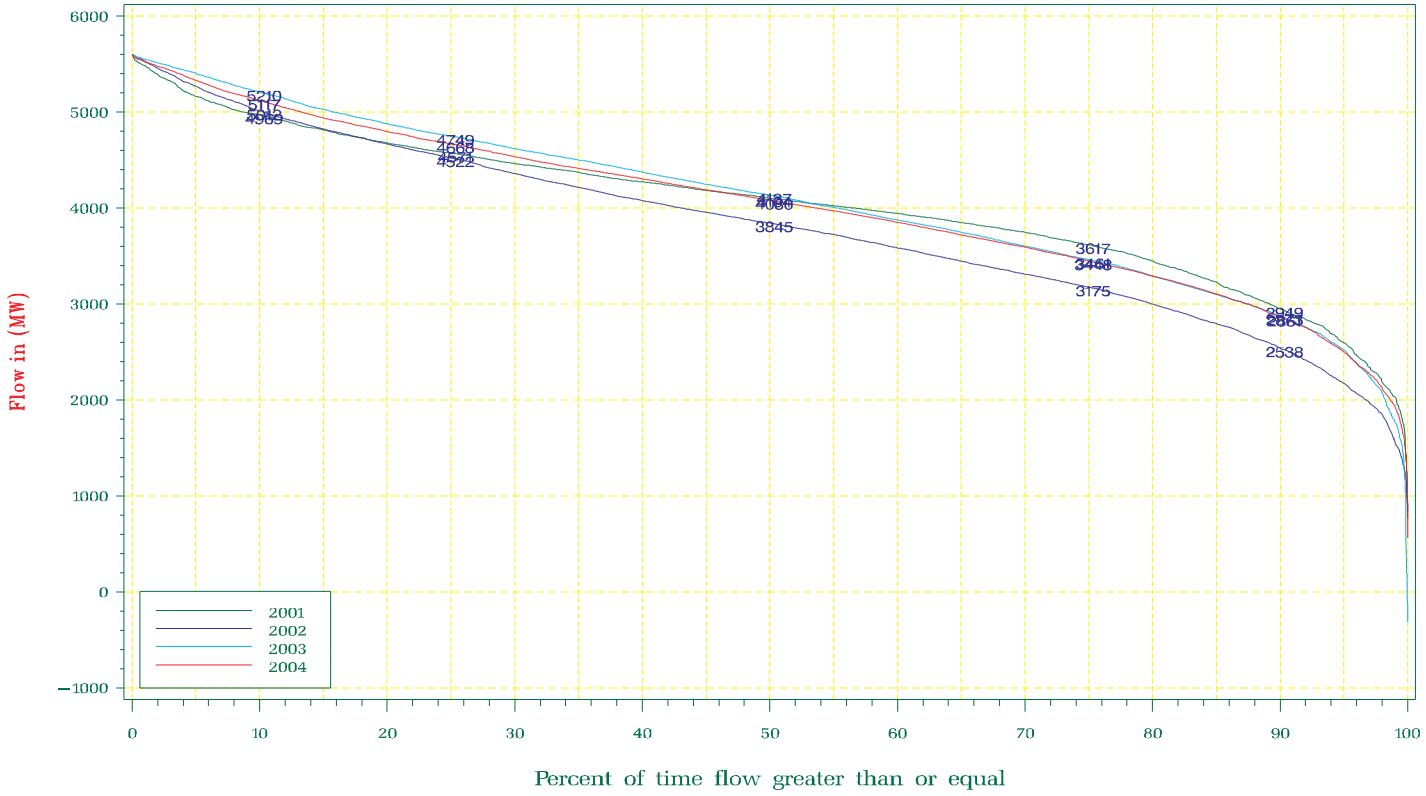
NYISO Frequency Interface Flow For January 2001 – December 2004

Volney – East (CLOSED)



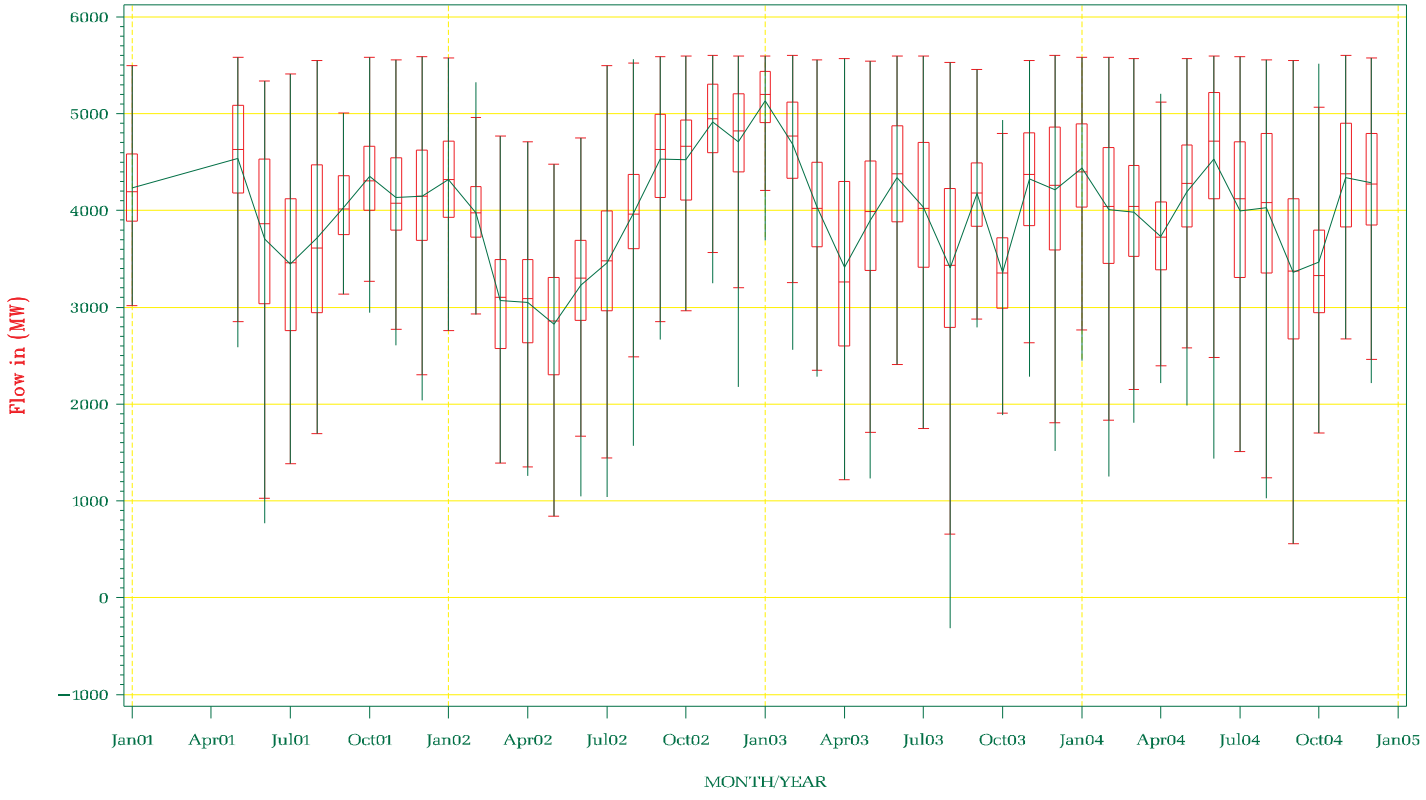
NYISO Percent of time Interface Flow For January 2001 – December 2004

Volney – East (CLOSED)



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

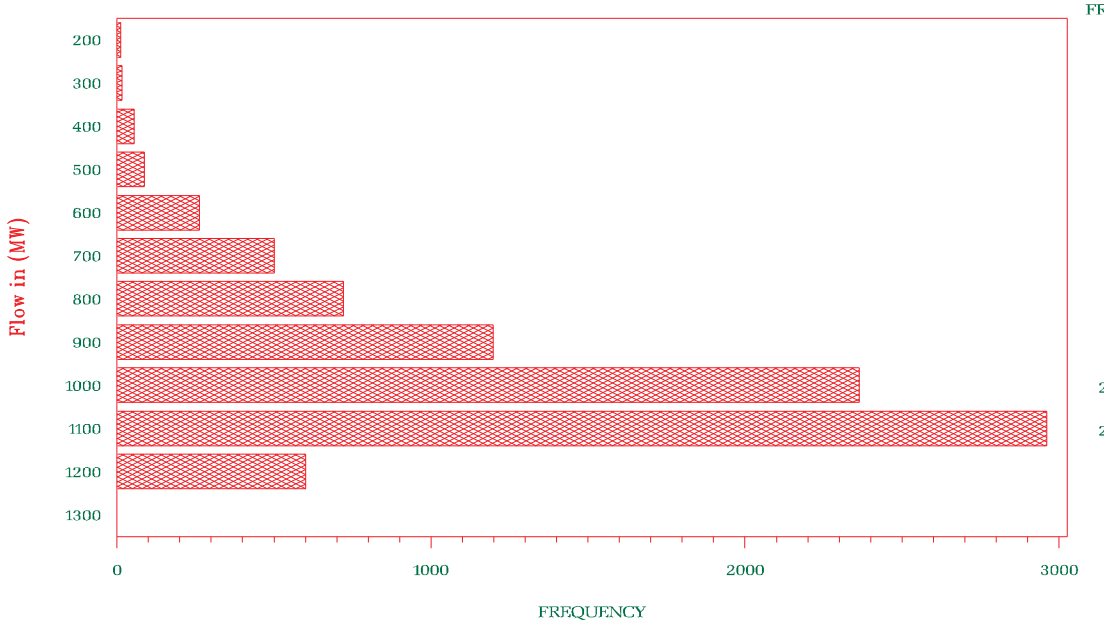
Volney – East (CLOSED)



NYISO Frequency Interface Flow For January – December 2004

Westchester – Long Island

Y49 + Y50

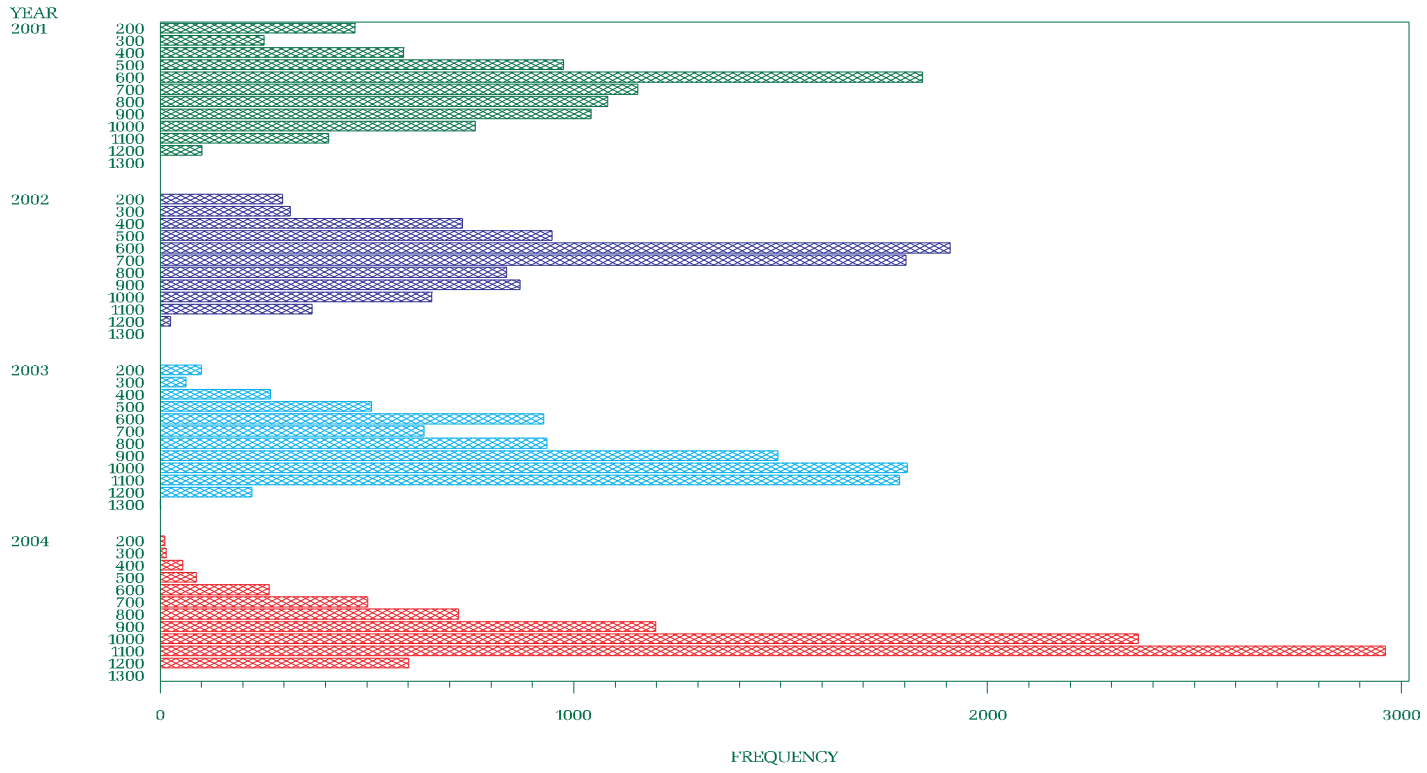


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
200	12	12	0.14	0.14
300	15	27	0.17	0.31
400	55	82	0.63	0.93
500	87	169	0.99	1.92
600	263	432	3.00	4.92
700	502	934	5.72	10.64
800	721	1655	8.21	18.85
900	1198	2853	13.64	32.49
1000	2364	5217	26.92	59.42
1100	2962	8179	33.74	93.15
1200	601	8780	6.85	100.00
1300	0	8780	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

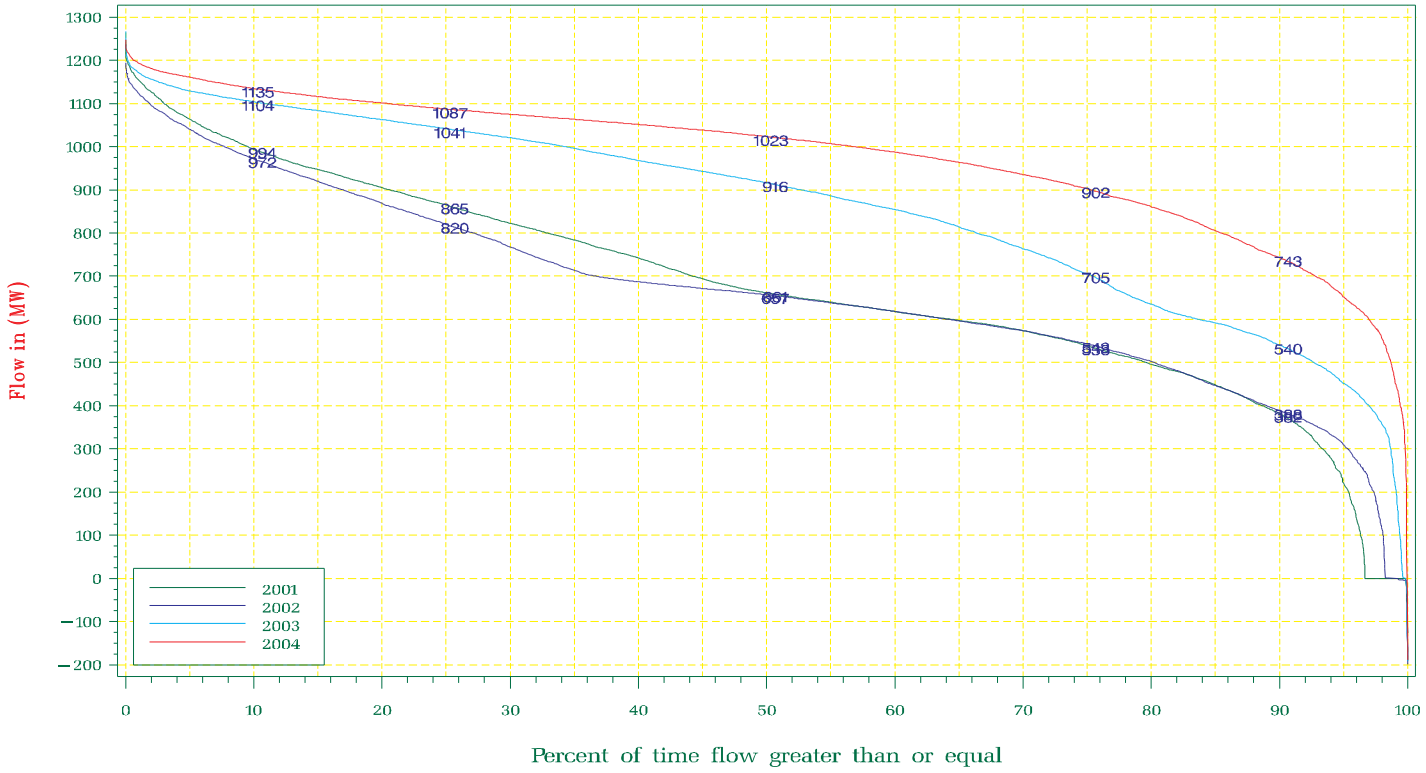
Westchester – Long Island

Y49 + Y50



NYISO Percent of time Interface Flow For January 2001 – December 2004

Westchester – Long Island
Y49 + Y50



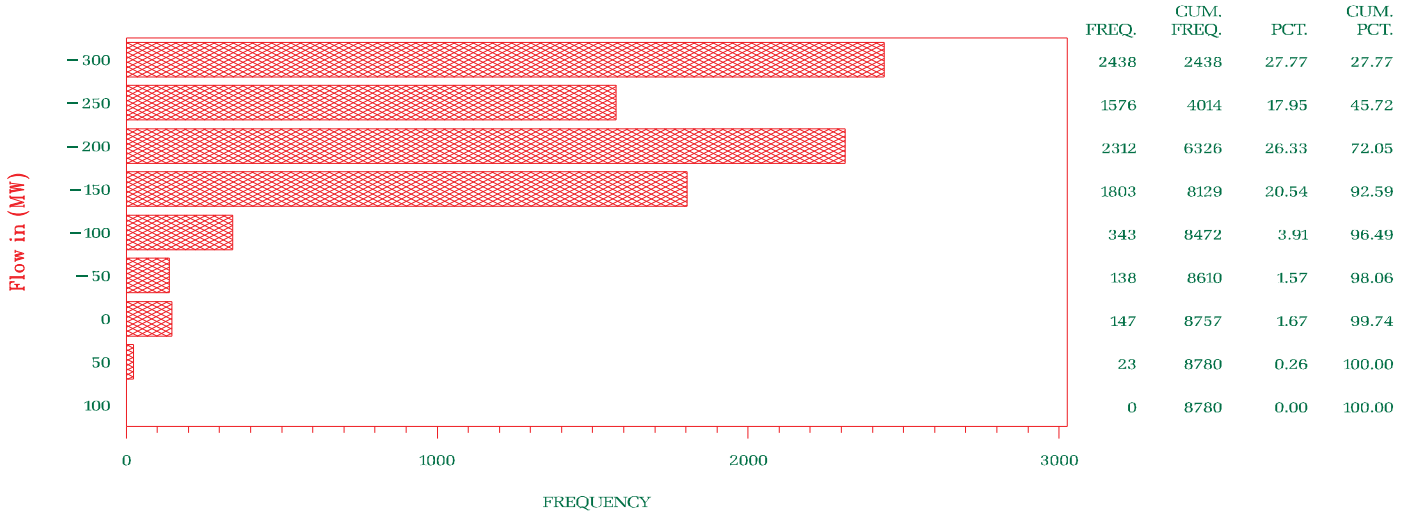
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Westchester – Long Island
Y49 + Y50

NYISO Frequency Interface Flow For January – December 2004

New York City – Long Island

901 + 903

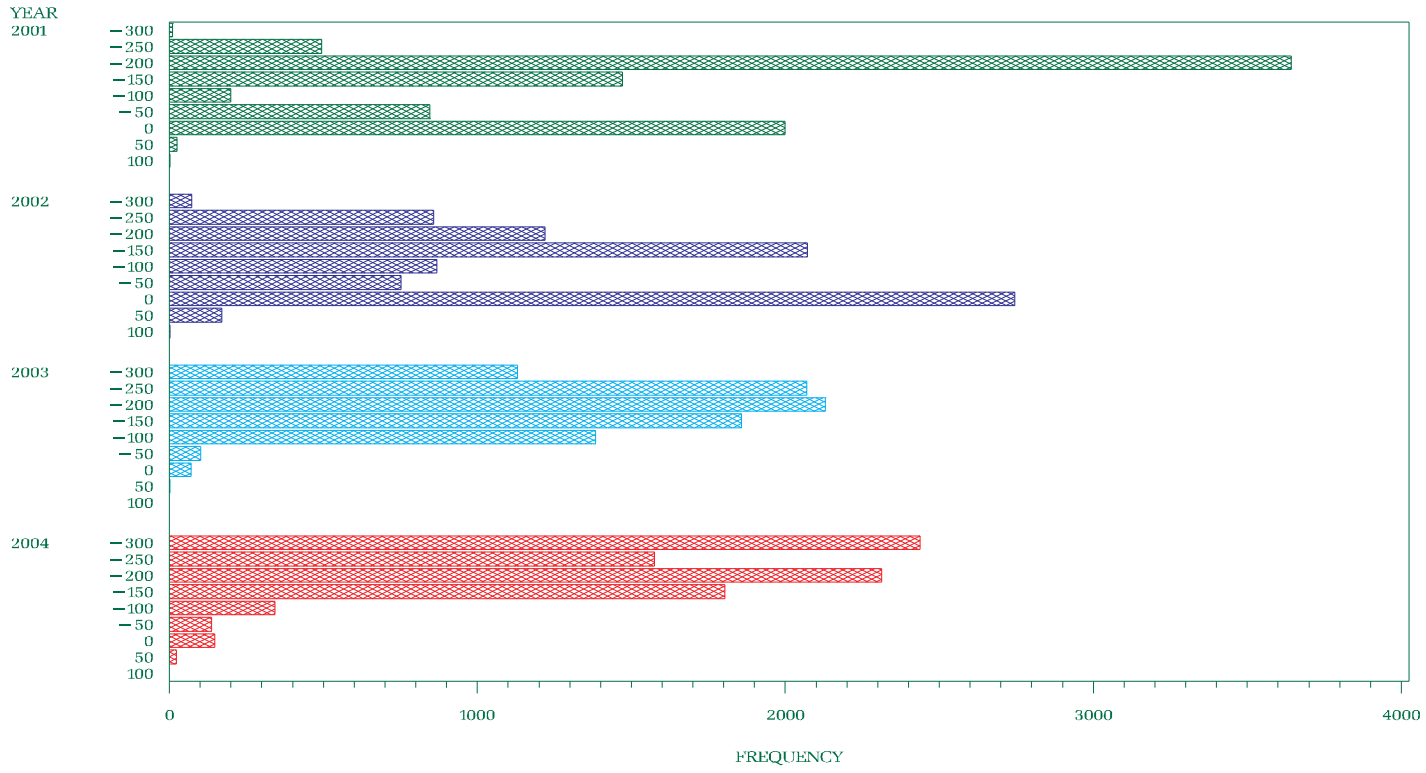


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
300	2438	2438	27.77	27.77
250	1576	4014	17.95	45.72
200	2312	6326	26.33	72.05
150	1803	8129	20.54	92.59
100	343	8472	3.91	96.49
50	138	8610	1.57	98.06
0	147	8757	1.67	99.74
50	23	8780	0.26	100.00
100	0	8780	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

New York City – Long Island

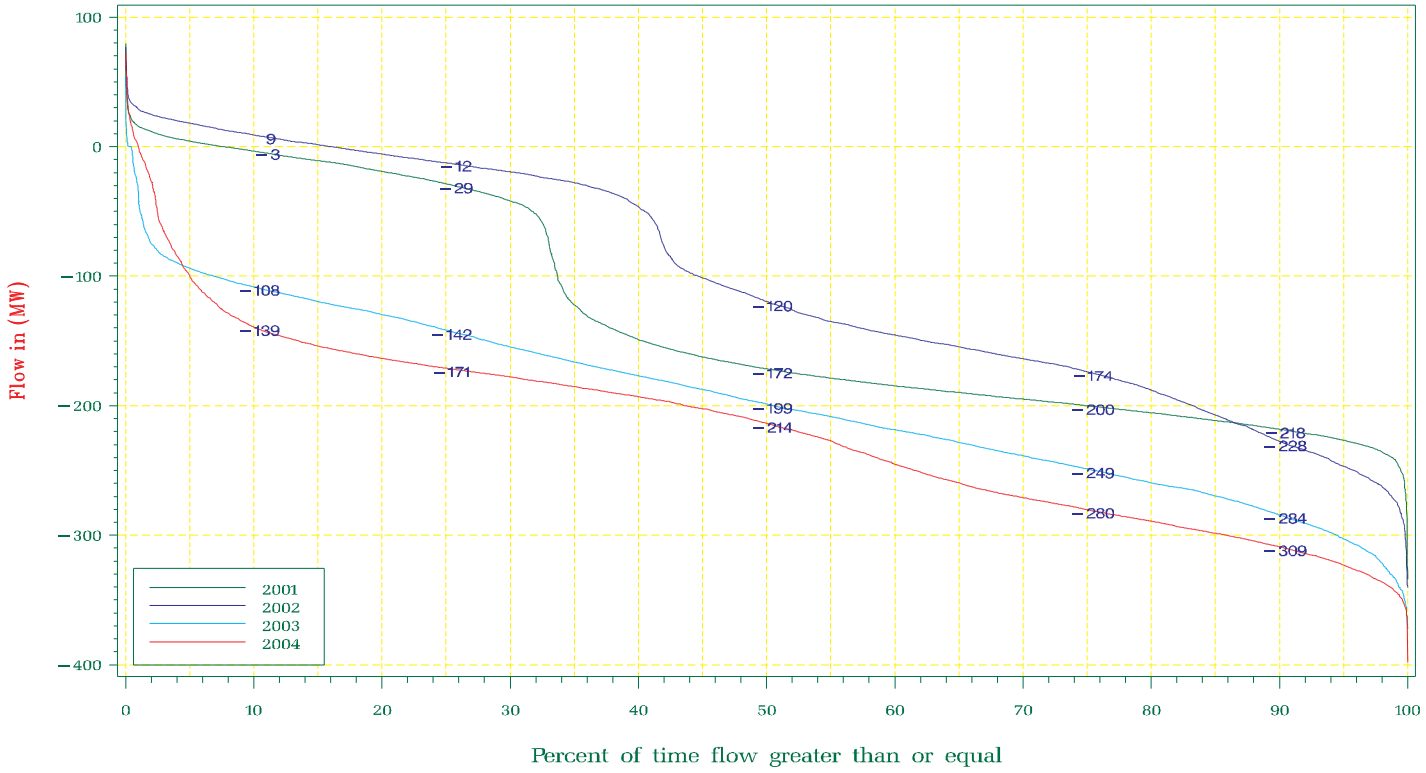
901 + 903



NYISO Percent of time Interface Flow For January 2001 – December 2004

New York City – Long Island

901 + 903



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

New York City – Long Island

901 + 903

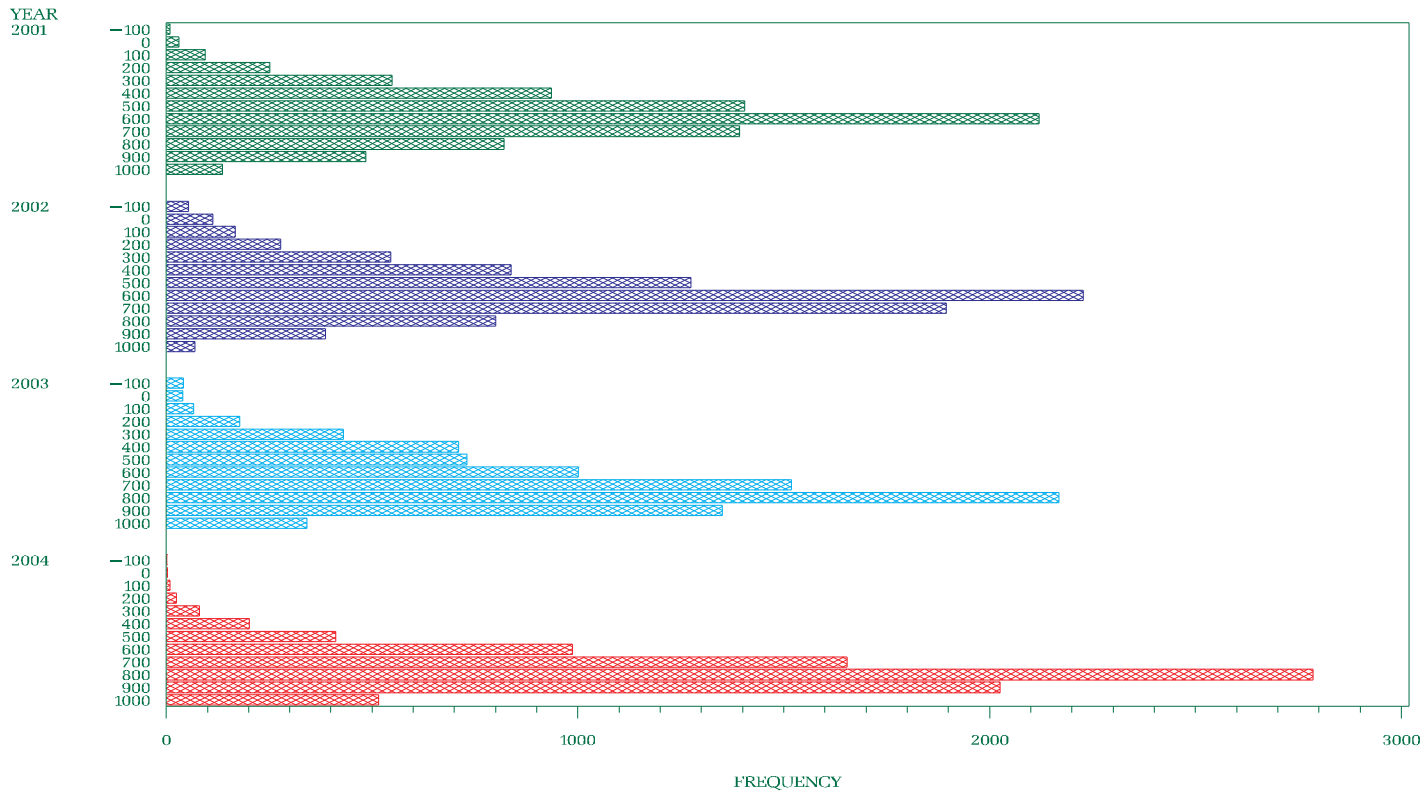
NYISO Frequency Interface Flow For January – December 2004

LIPA Import

Flow in (MW)	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
−100	2	2	0.02	0.02
0	3	5	0.03	0.06
100	9	14	0.10	0.16
200	25	39	0.29	0.45
300	81	120	0.93	1.38
400	202	322	2.32	3.70
500	412	734	4.73	8.43
600	987	1721	11.34	19.78
700	1654	3375	19.01	38.78
800	2785	6160	32.00	70.79
900	2026	8186	23.28	94.07
1000	516	8702	5.93	100.00

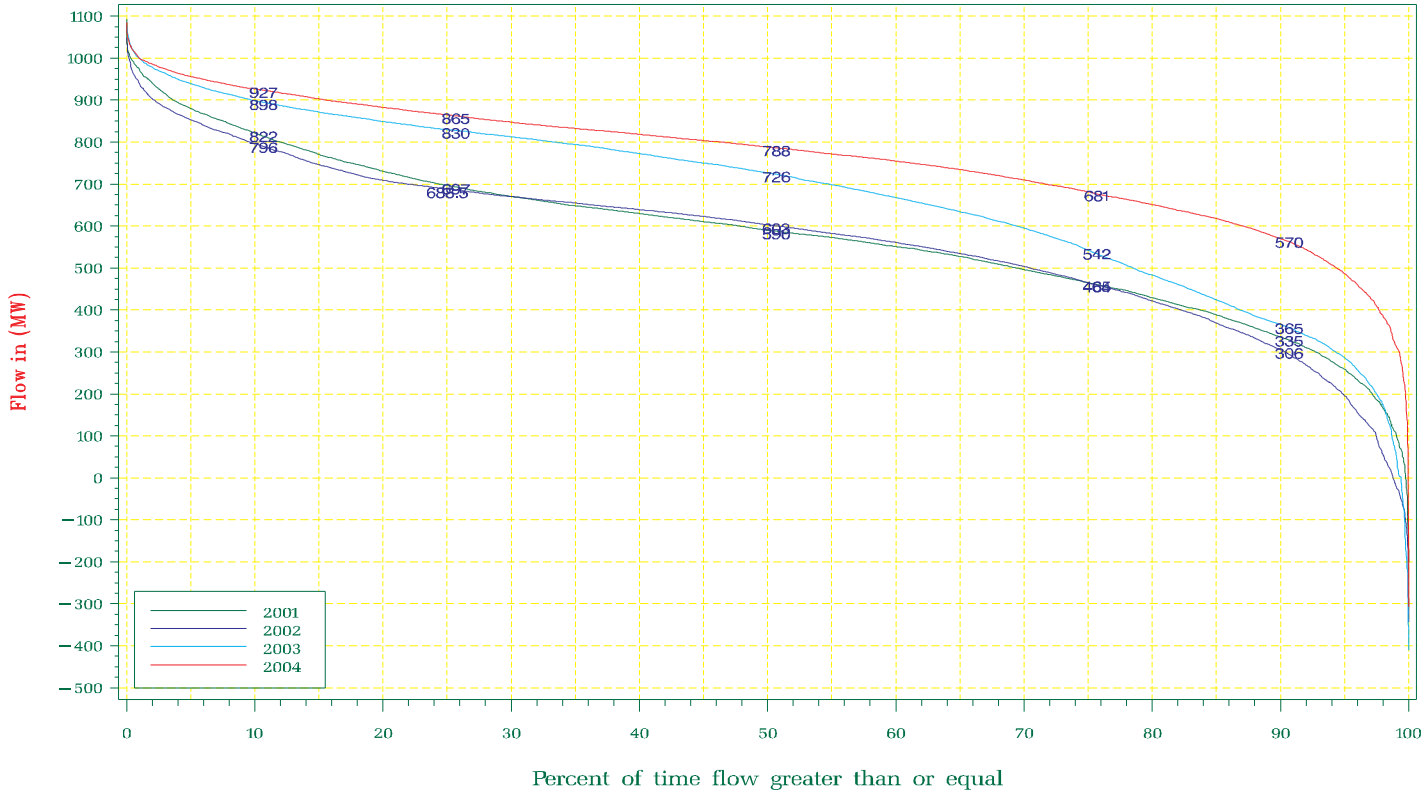
NYISO Frequency Interface Flow For January 2001 – December 2004

LIPA Import



NYISO Percent of time Interface Flow For January 2001 – December 2004

LIPA Import



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

LIPA Import

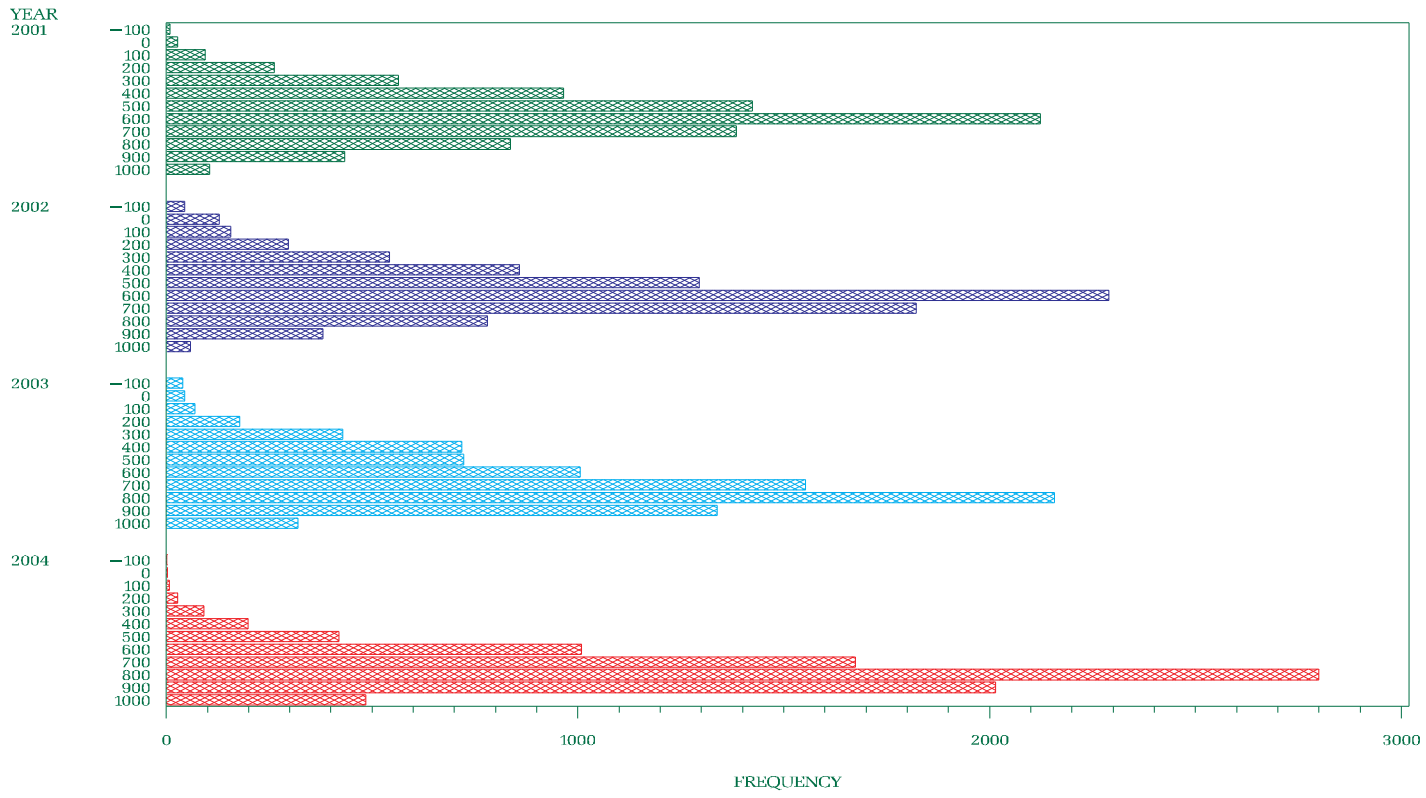
NYISO Frequency Interface Flow For January – December 2004

Con Ed – LIPA

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
−100	2	2	0.02	0.02
0	3	5	0.03	0.06
100	8	13	0.09	0.15
200	27	40	0.31	0.46
300	92	132	1.05	1.51
400	199	331	2.28	3.79
500	420	751	4.81	8.60
600	1009	1760	11.55	20.15
700	1674	3434	19.17	39.32
800	2800	6234	32.06	71.38
900	2014	8248	23.06	94.45
1000	485	8733	5.55	100.00

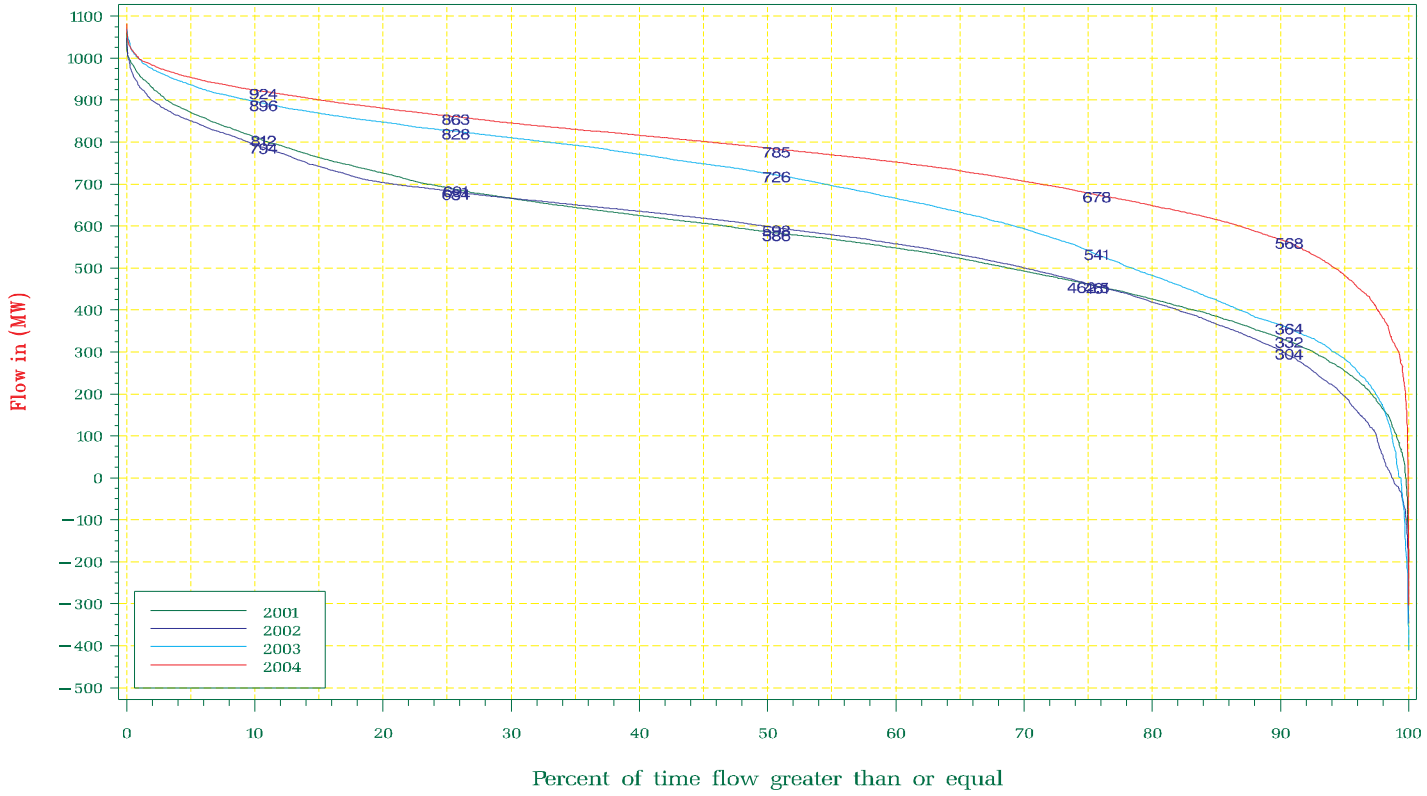
NYISO Frequency Interface Flow For January 2001 – December 2004

Con Ed – LIPA



NYISO Percent of time Interface Flow For January 2001 – December 2004

Con Ed – LIPA

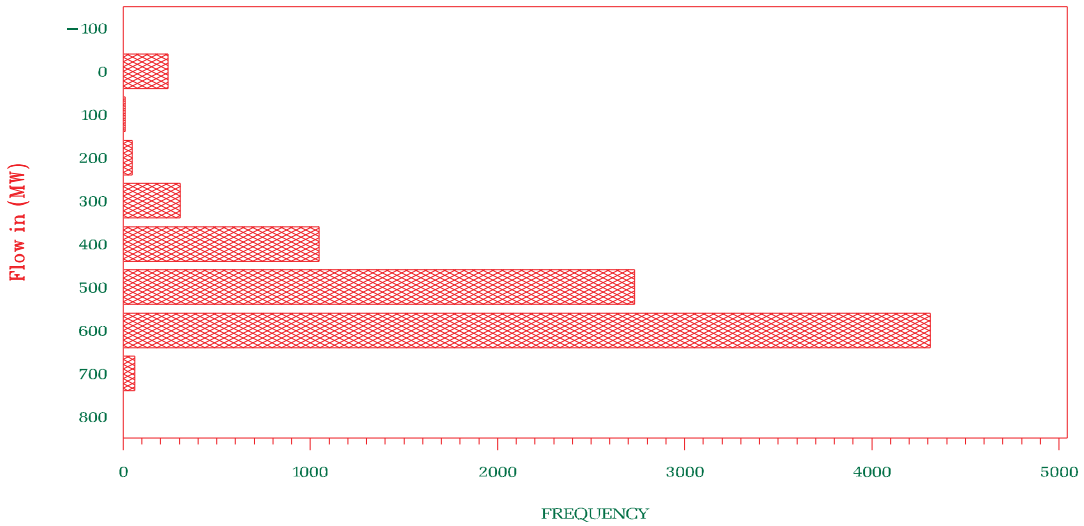


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Con Ed – LIPA

NYISO Frequency Interface Flow For January – December 2004

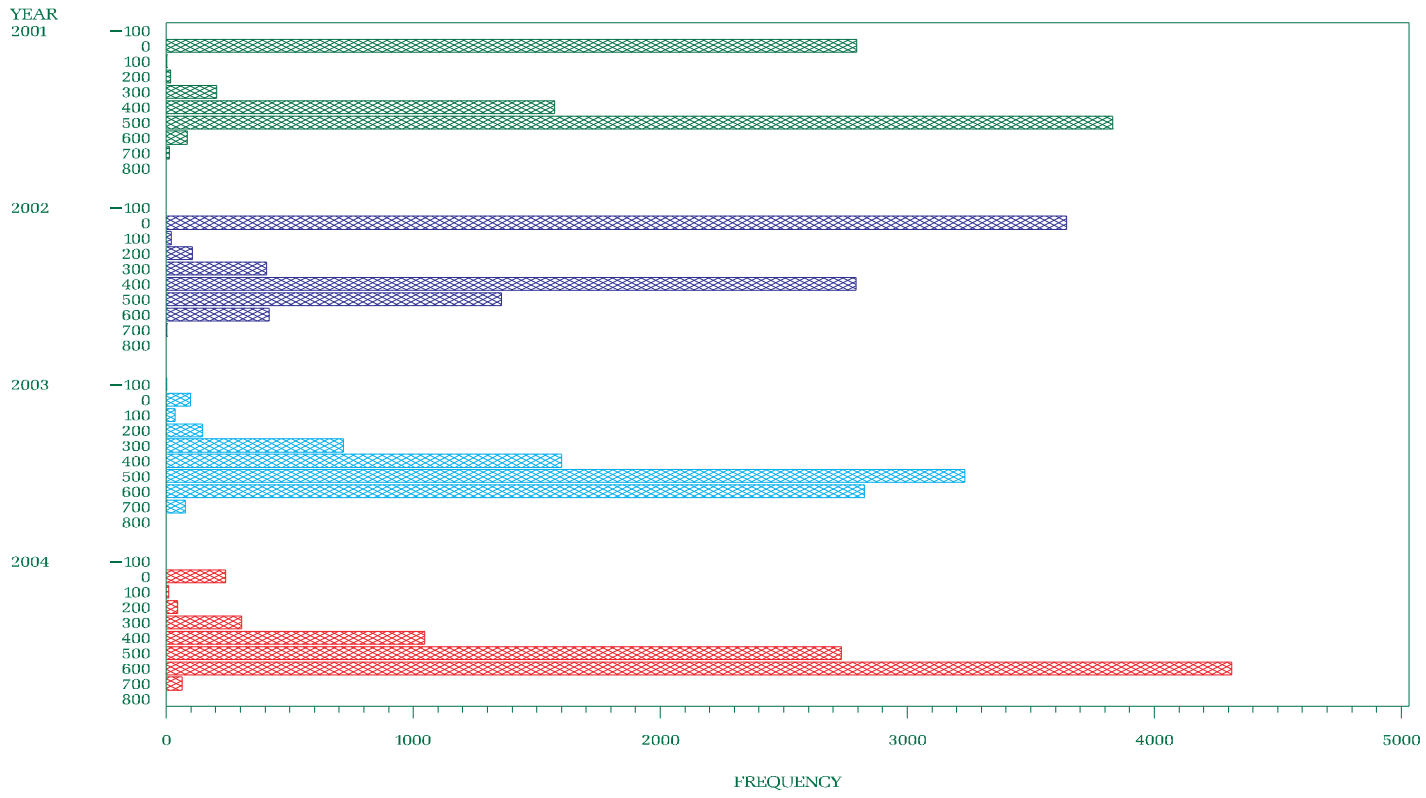
Y50:Dunwoodie – Shore Rd.



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-100	0	0	0.00	0.00
0	241	241	2.75	2.75
100	10	251	0.11	2.87
200	47	298	0.54	3.40
300	306	604	3.49	6.89
400	1045	1649	11.93	18.82
500	2734	4383	31.21	50.03
600	4314	8697	49.25	99.28
700	63	8760	0.72	100.00
800	0	8760	0.00	100.00

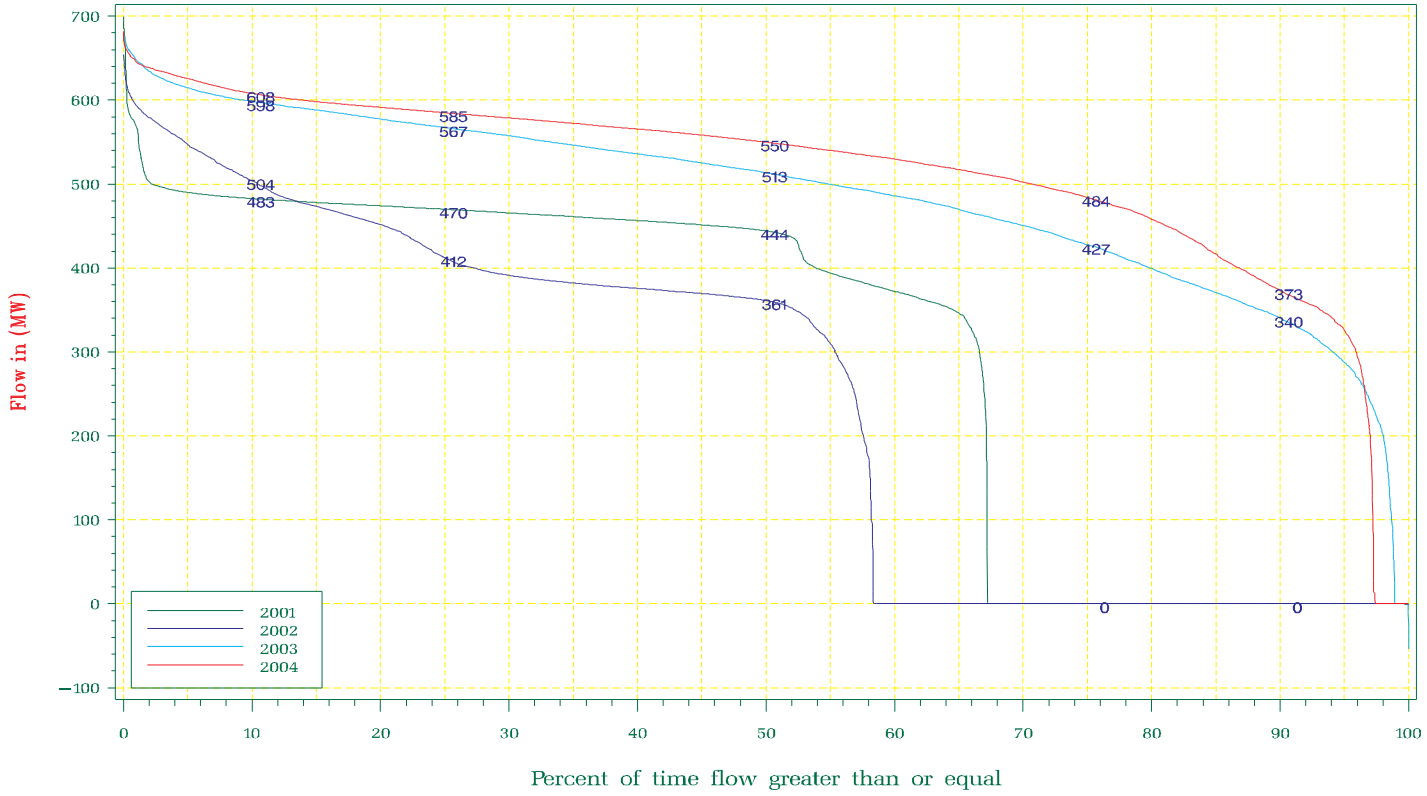
NYISO Frequency Interface Flow For January 2001 – December 2004

Y50:Dunwoodie – Shore Rd.



NYISO Percent of time Interface Flow For January 2001 – December 2004

Y50:Dunwoodie – Shore Rd.



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Y50:Dunwoodie – Shore Rd.

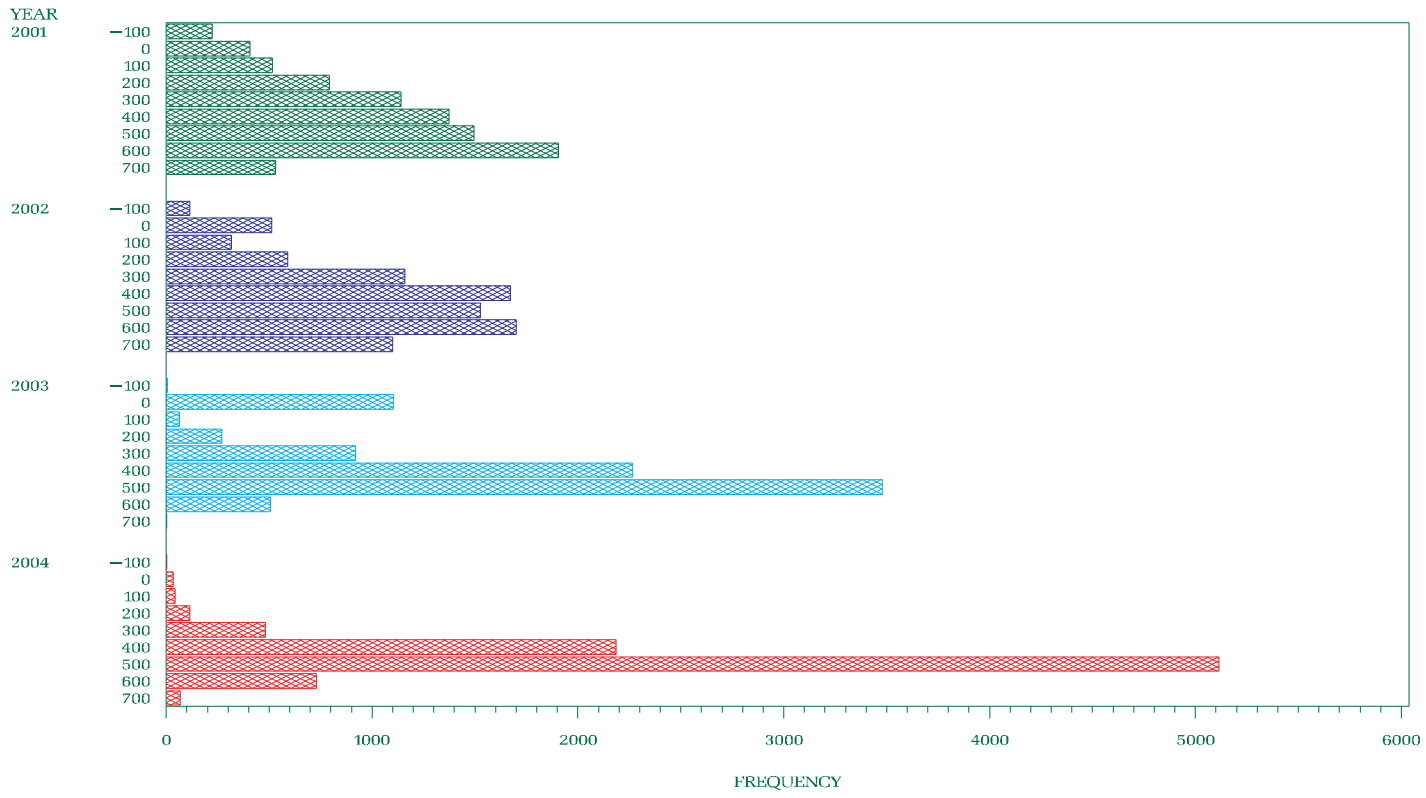
NYISO Frequency Interface Flow For January – December 2004

Y49:Sprainbrook – E.Garden City

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-100	2	2	0.02	0.02
0	34	36	0.39	0.41
100	42	78	0.48	0.89
200	113	191	1.29	2.18
300	480	671	5.47	7.65
400	2185	2856	24.92	32.57
500	5115	7971	58.34	90.91
600	729	8700	8.31	99.22
700	68	8768	0.78	100.00

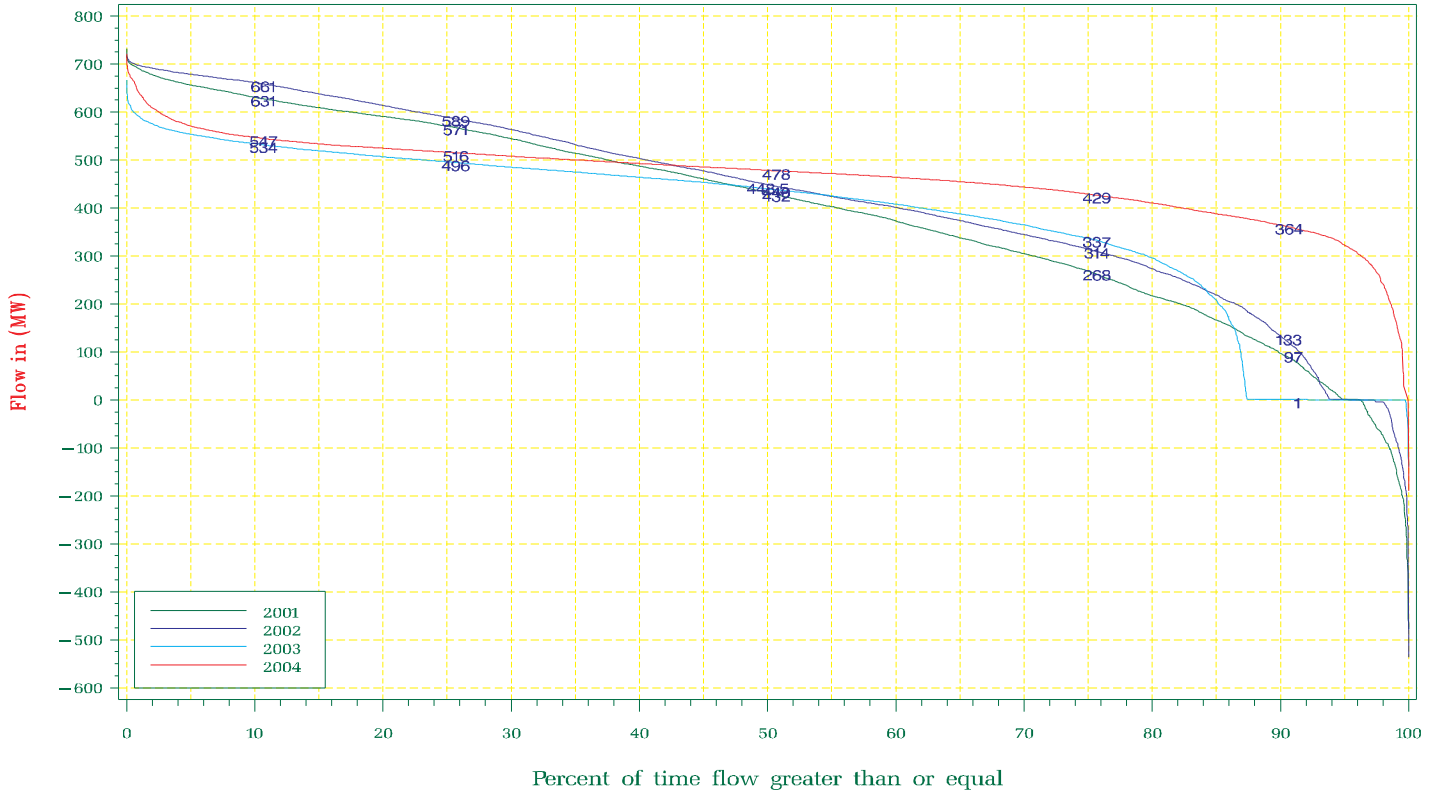
NYISO Frequency Interface Flow For January 2001 – December 2004

Y49:Sprainbrook – E.Garden City



NYISO Percent of time Interface Flow For January 2001 – December 2004

Y49:Sprainbrook – E.Garden City

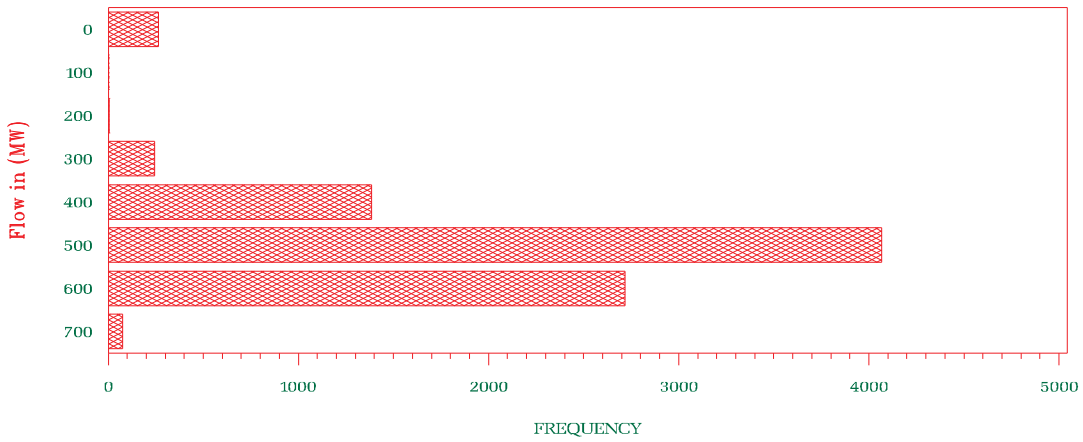


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Y49:Sprainbrook – E.Garden City

NYISO Frequency Interface Flow For January – December 2004

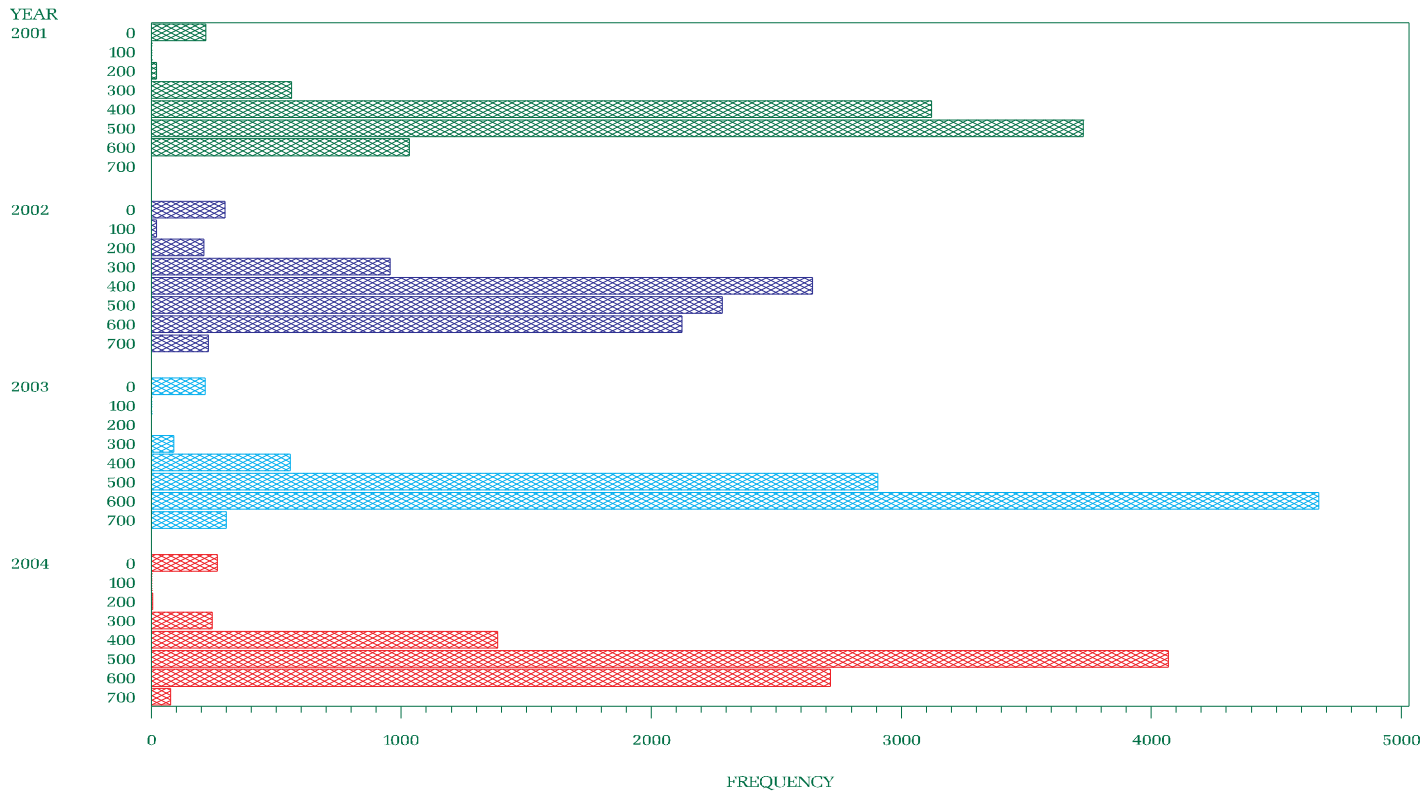
HOMER CITY – WATERCURE



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	263	263	3.00	3.00
100	1	264	0.01	3.01
200	5	269	0.06	3.07
300	244	513	2.78	5.85
400	1386	1899	15.82	21.67
500	4068	5967	46.43	68.10
600	2718	8685	31.02	99.12
700	77	8762	0.88	100.00

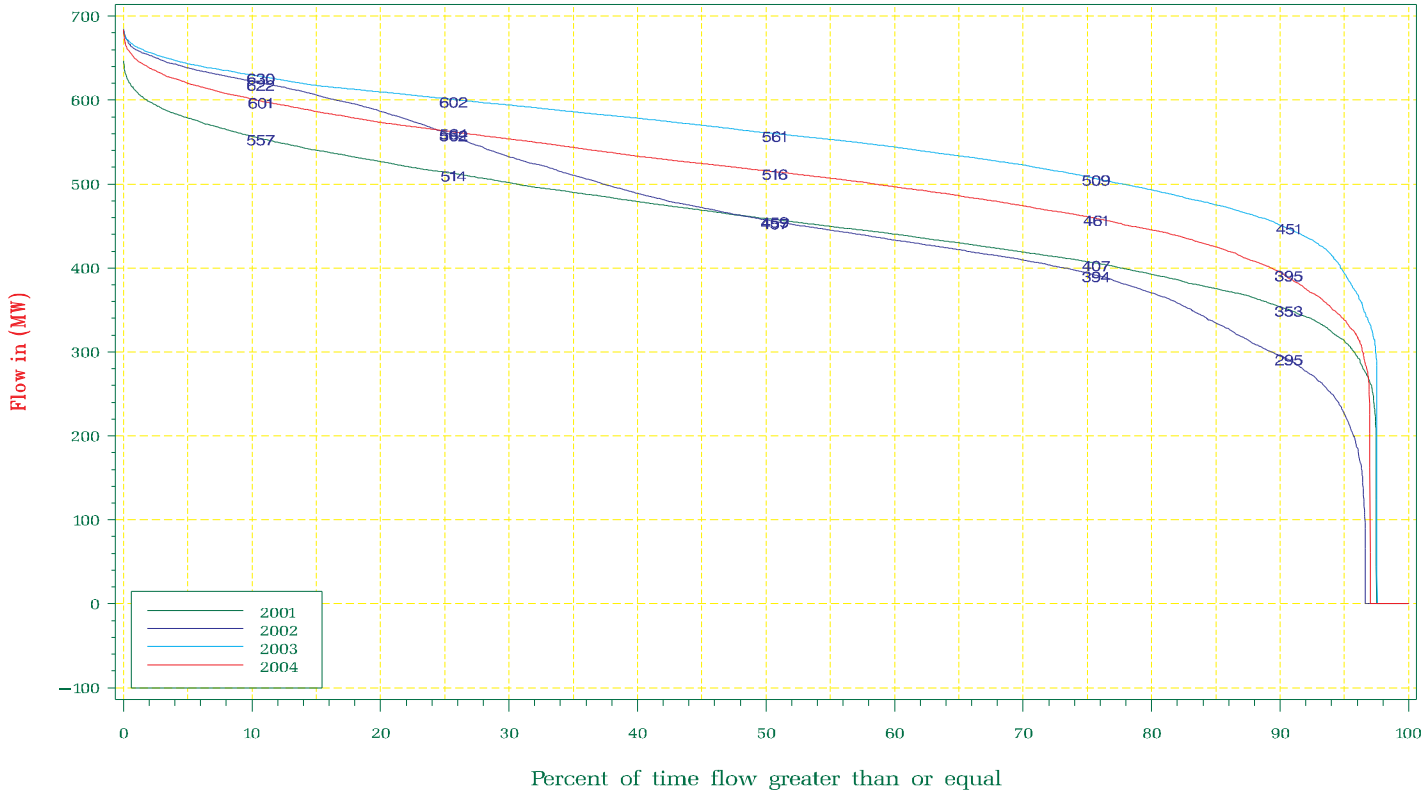
NYISO Frequency Interface Flow For January 2001 – December 2004

HOMER CITY – WATERCURE



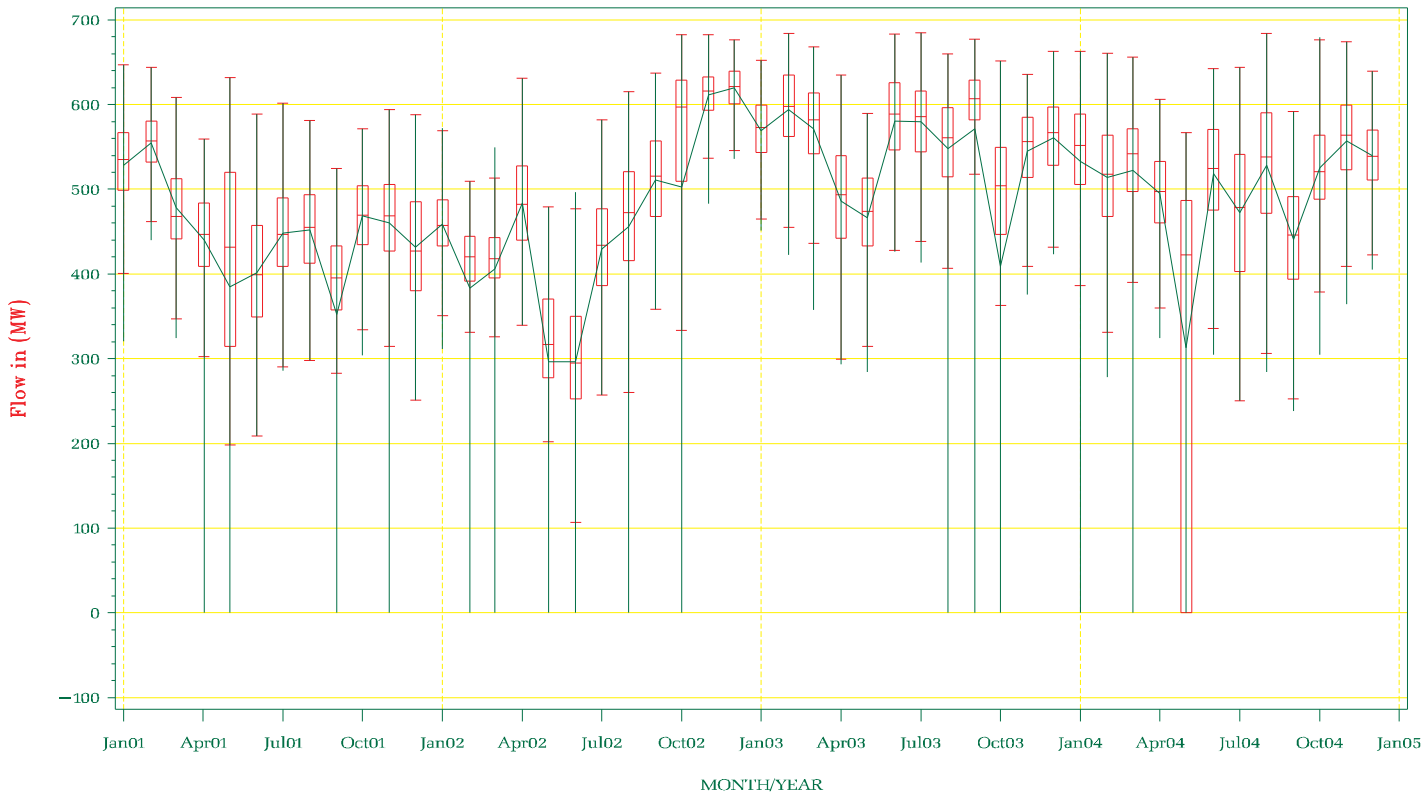
NYISO Percent of time Interface Flow For January 2001 – December 2004

HOMER CITY – WATERCURE



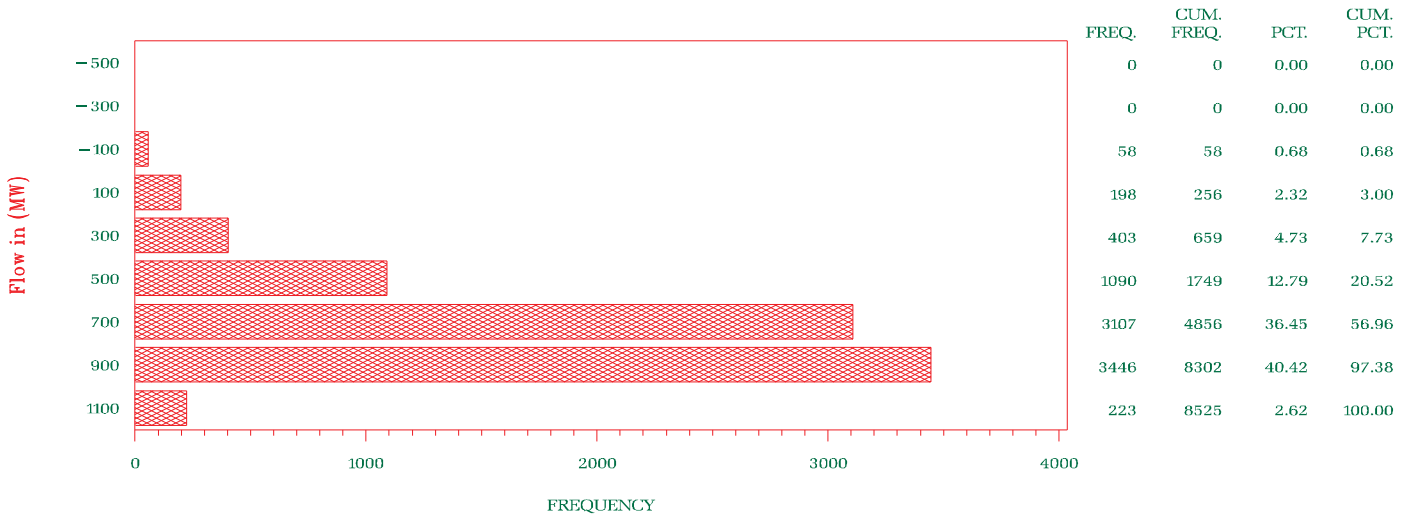
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

HOMER CITY – WATERCURE



NYISO Frequency Interface Flow For January – December 2004

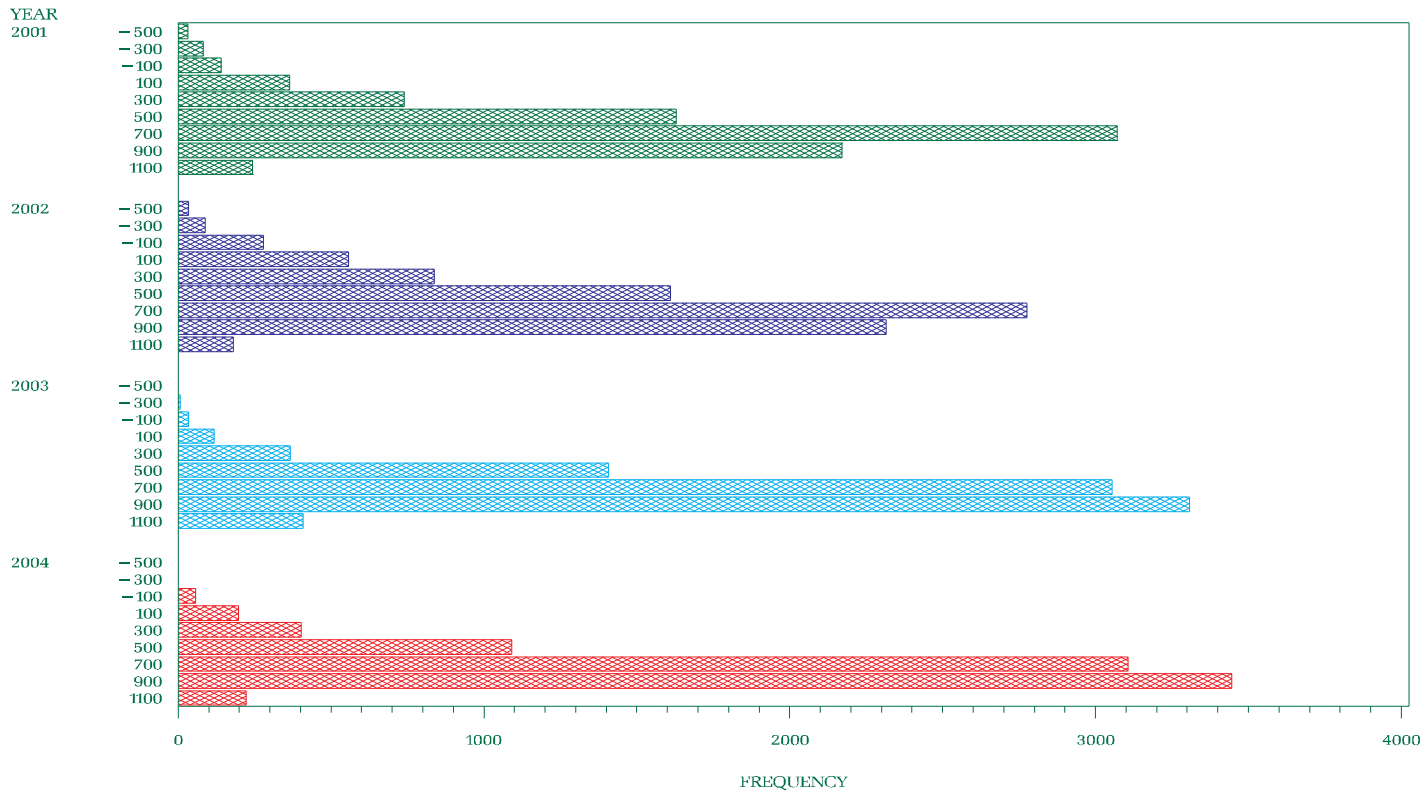
5018:BRANCHBURG – RAMAPO



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-500	0	0	0.00	0.00
-300	0	0	0.00	0.00
-100	58	58	0.68	0.68
100	198	256	2.32	3.00
300	403	659	4.73	7.73
500	1090	1749	12.79	20.52
700	3107	4856	36.45	56.96
900	3446	8302	40.42	97.38
1100	223	8525	2.62	100.00

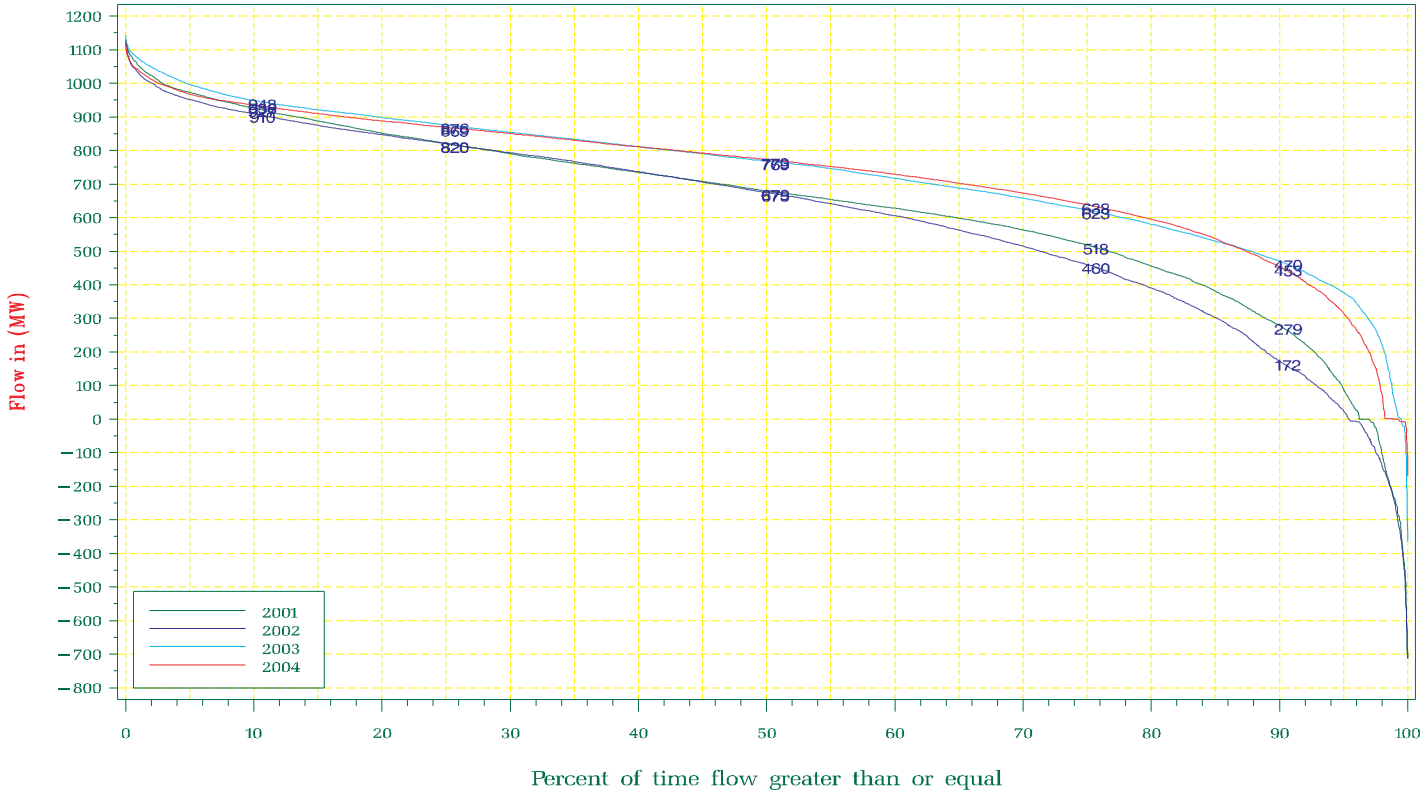
NYISO Frequency Interface Flow For January 2001 – December 2004

5018:BRANCHBURG – RAMAPO



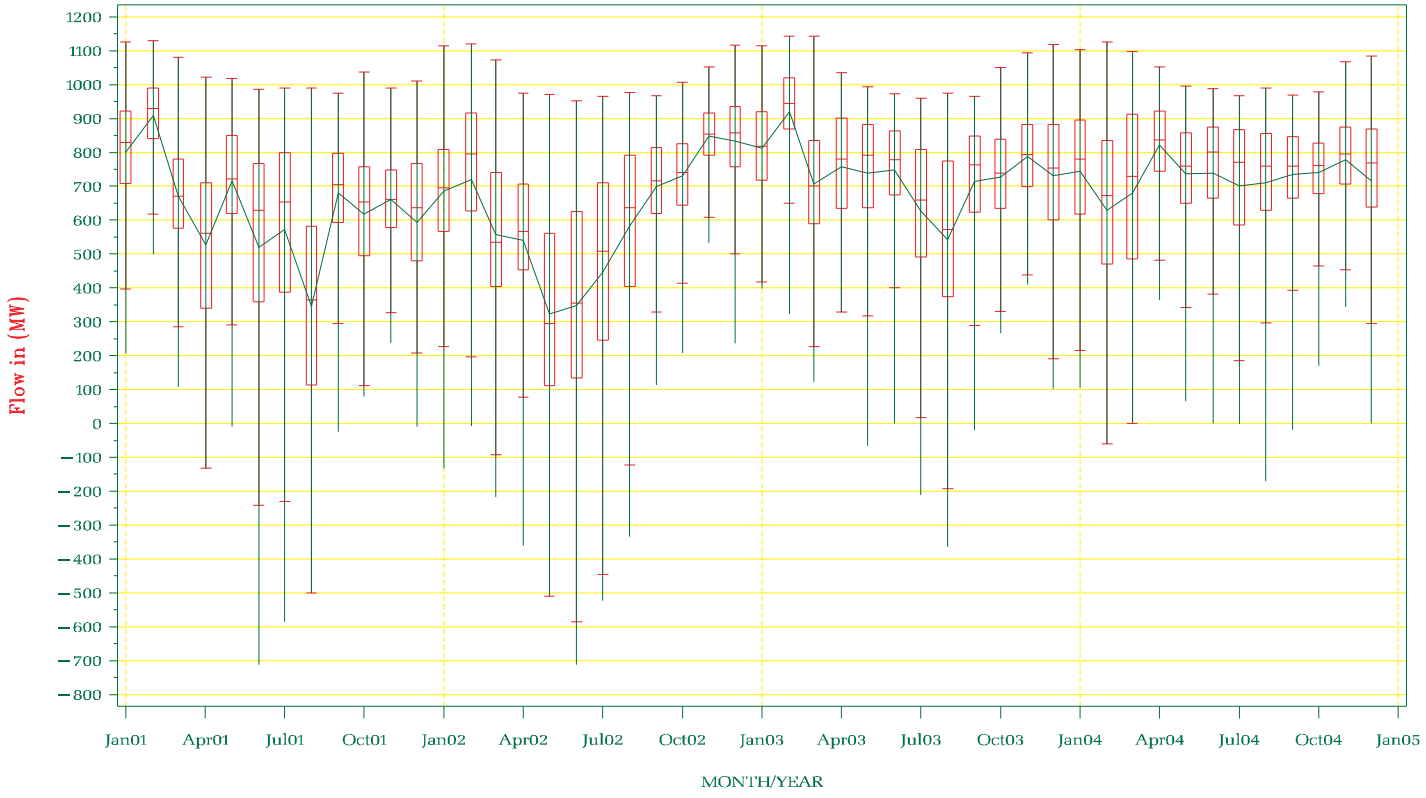
NYISO Percent of time Interface Flow For January 2001 – December 2004

5018:BRANCHBURG – RAMAPO



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

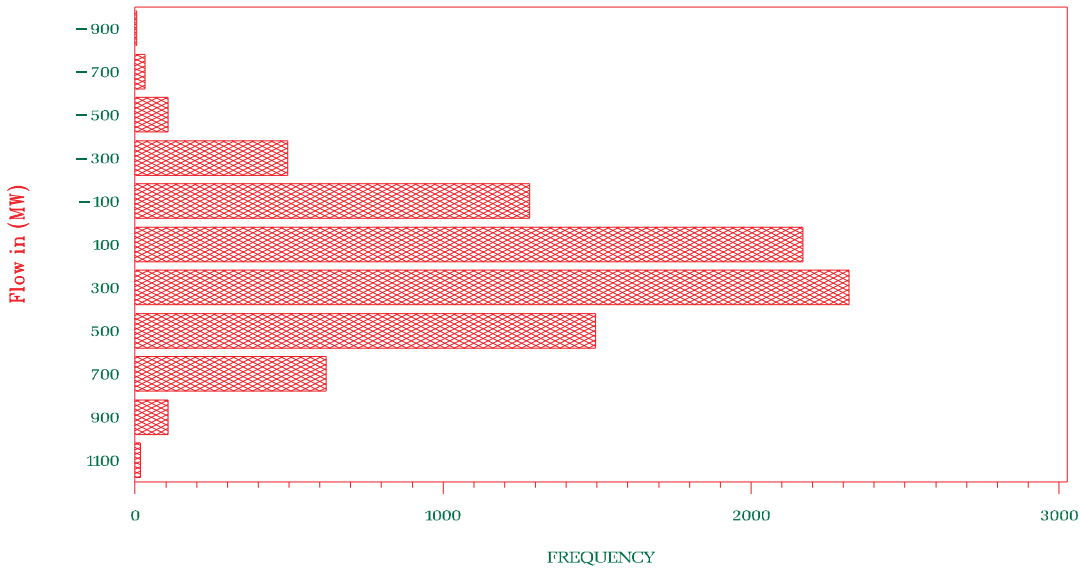
5018:BRANCHBURG – RAMAPO



NYISO Frequency Interface Flow For January – December 2004

Con Ed/PSEG PAR (JK/ABC) Imbalance

+ is toward PSEG

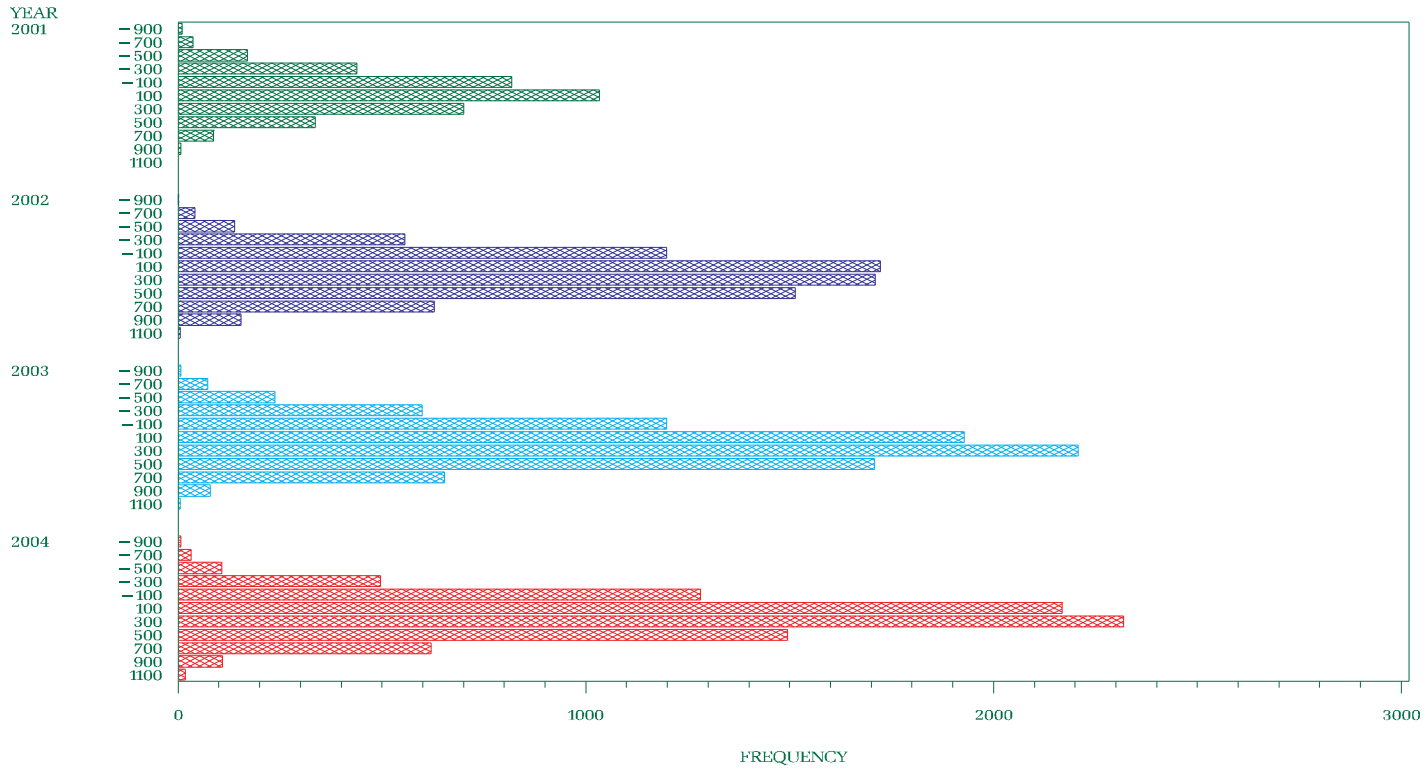


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-900	6	6	0.07	0.07
-700	32	38	0.37	0.44
-500	107	145	1.24	1.68
-300	496	641	5.73	7.41
-100	1282	1923	14.82	22.23
100	2169	4092	25.07	47.30
300	2319	6411	26.81	74.11
500	1495	7906	17.28	91.39
700	620	8526	7.17	98.56
900	108	8634	1.25	99.80
1100	17	8651	0.20	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

Con Ed/PSEG PAR (JK/ABC) Imbalance

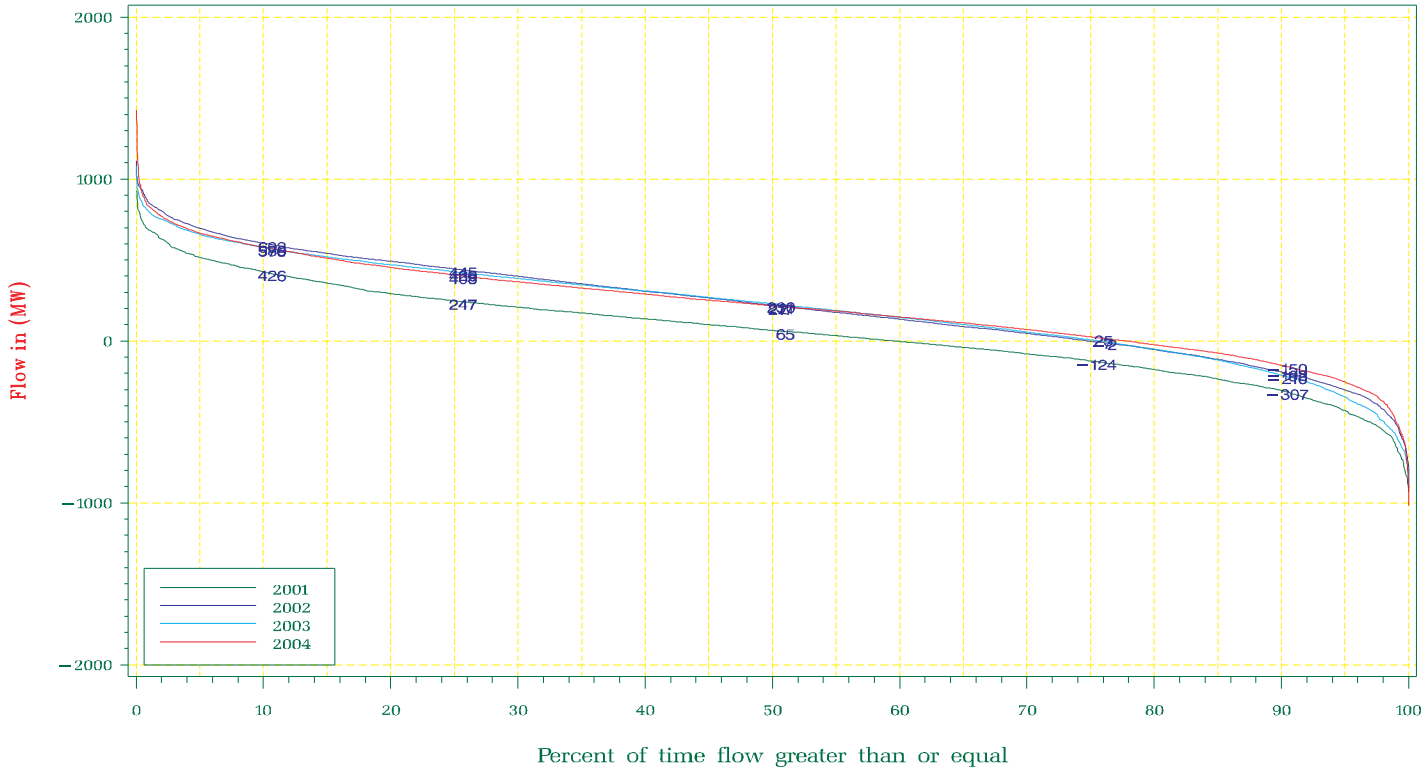
+ is toward PSEG



NYISO Percent of time Interface Flow For January 2001 – December 2004

Con Ed/PSEG PAR (JK/ABC) Imbalance

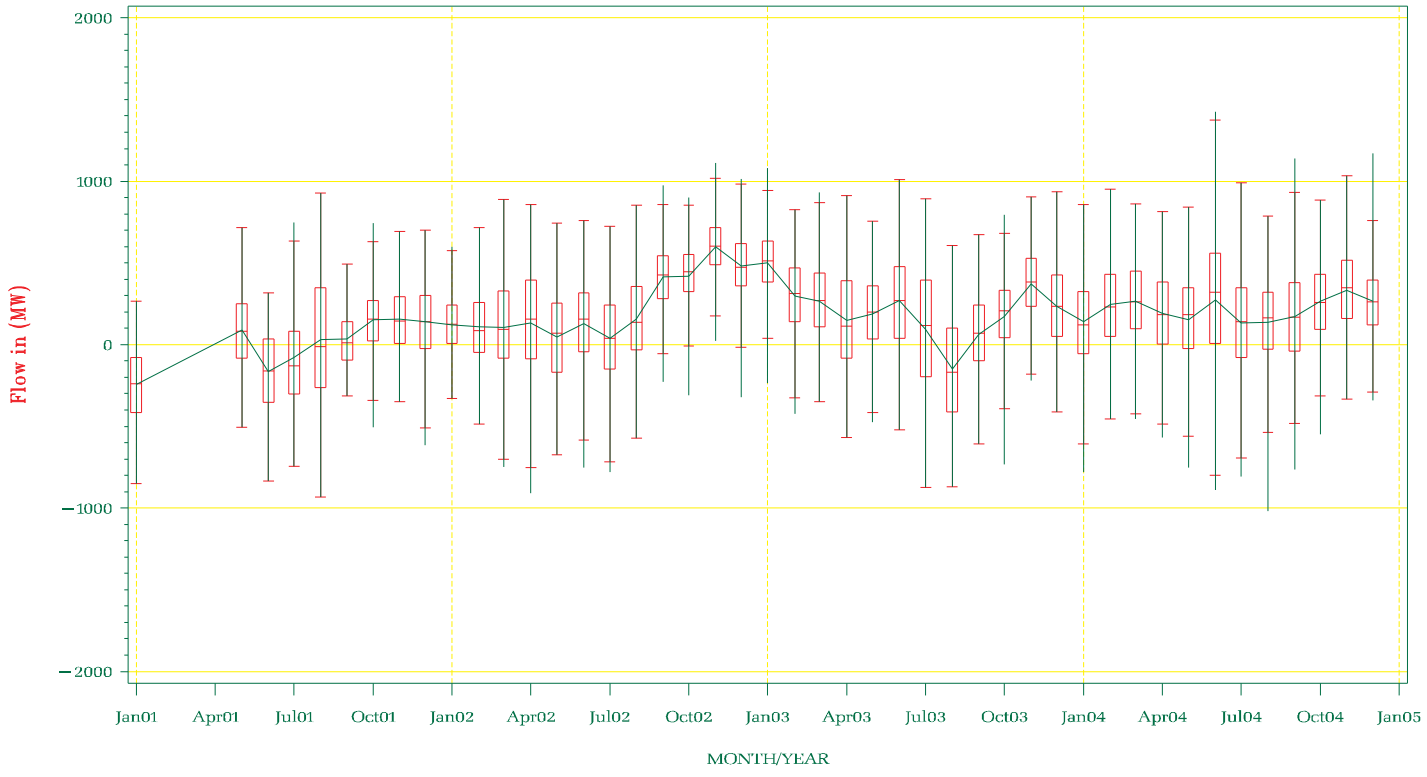
+ is toward PSEG



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

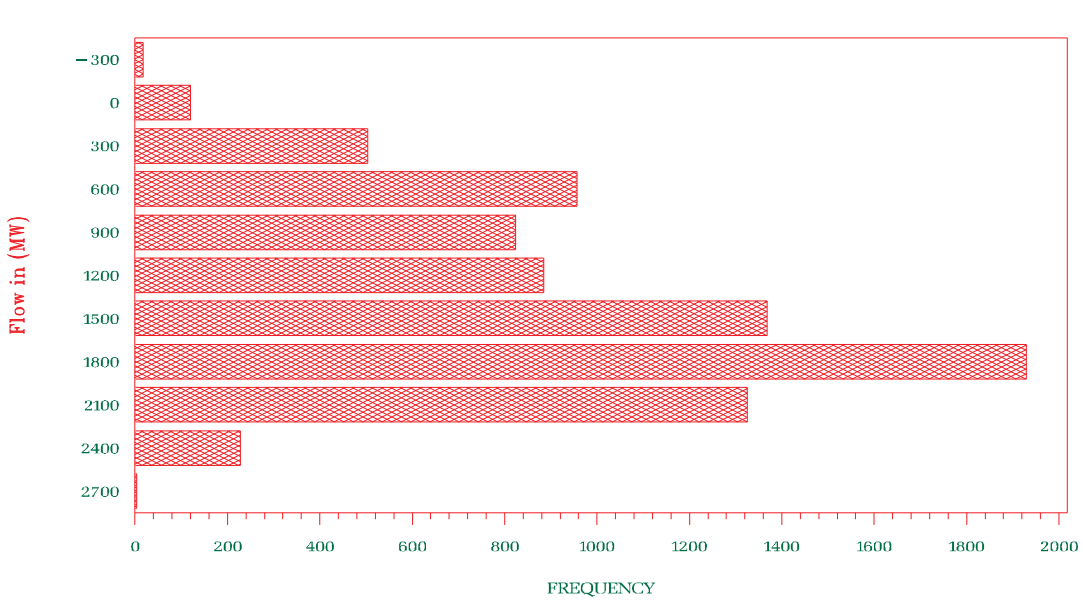
Con Ed/PSEG PAR (JK/ABC) Imbalance

+ is toward PSEG



NYISO Frequency Interface Flow For January – December 2004

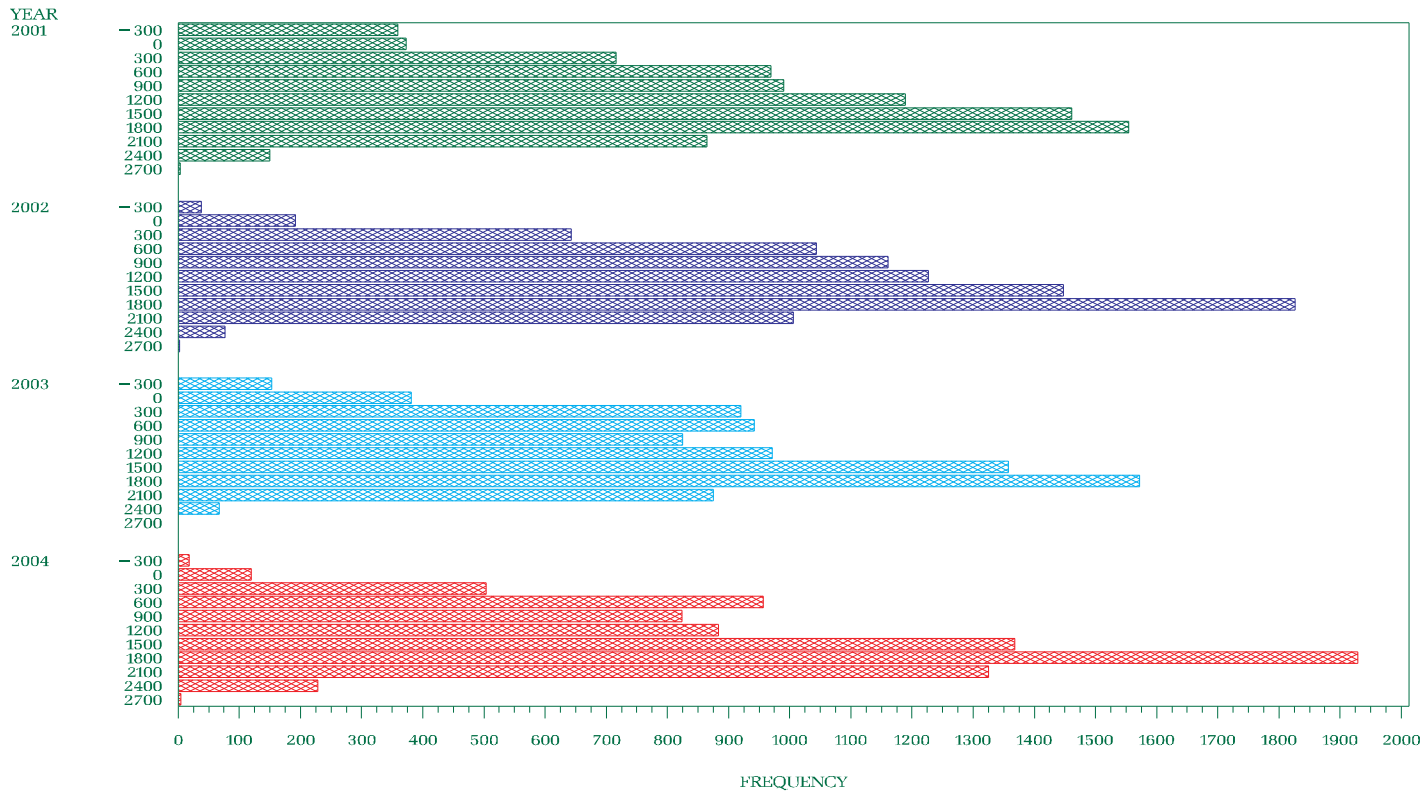
West NY Gen Export



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-300	18	18	0.22	0.22
0	120	138	1.47	1.69
300	504	642	6.18	7.87
600	957	1599	11.73	19.59
900	824	2423	10.10	29.69
1200	884	3307	10.83	40.52
1500	1368	4675	16.76	57.28
1800	1929	6604	23.64	80.92
2100	1325	7929	16.24	97.16
2400	228	8157	2.79	99.95
2700	4	8161	0.05	100.00

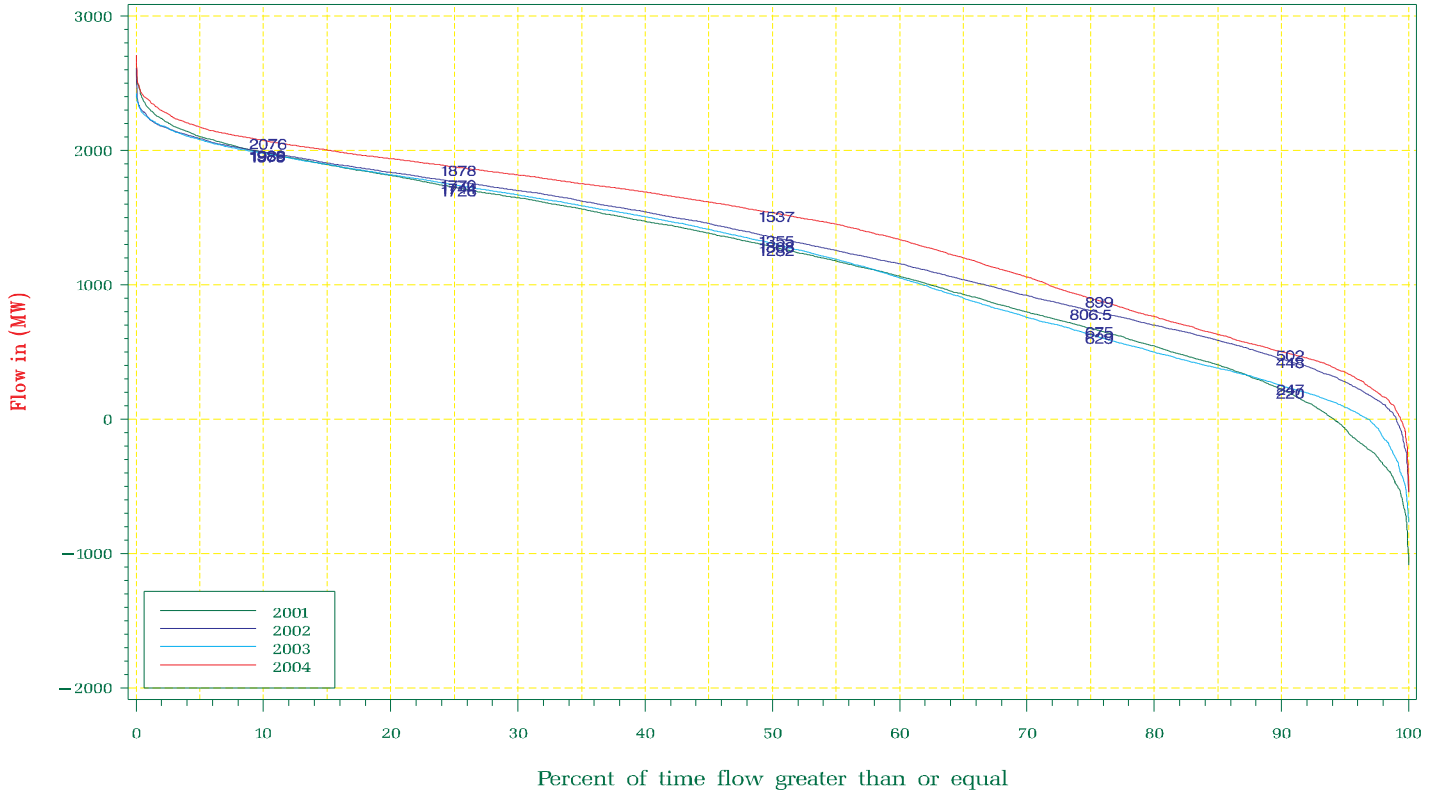
NYISO Frequency Interface Flow For January 2001 – December 2004

West NY Gen Export



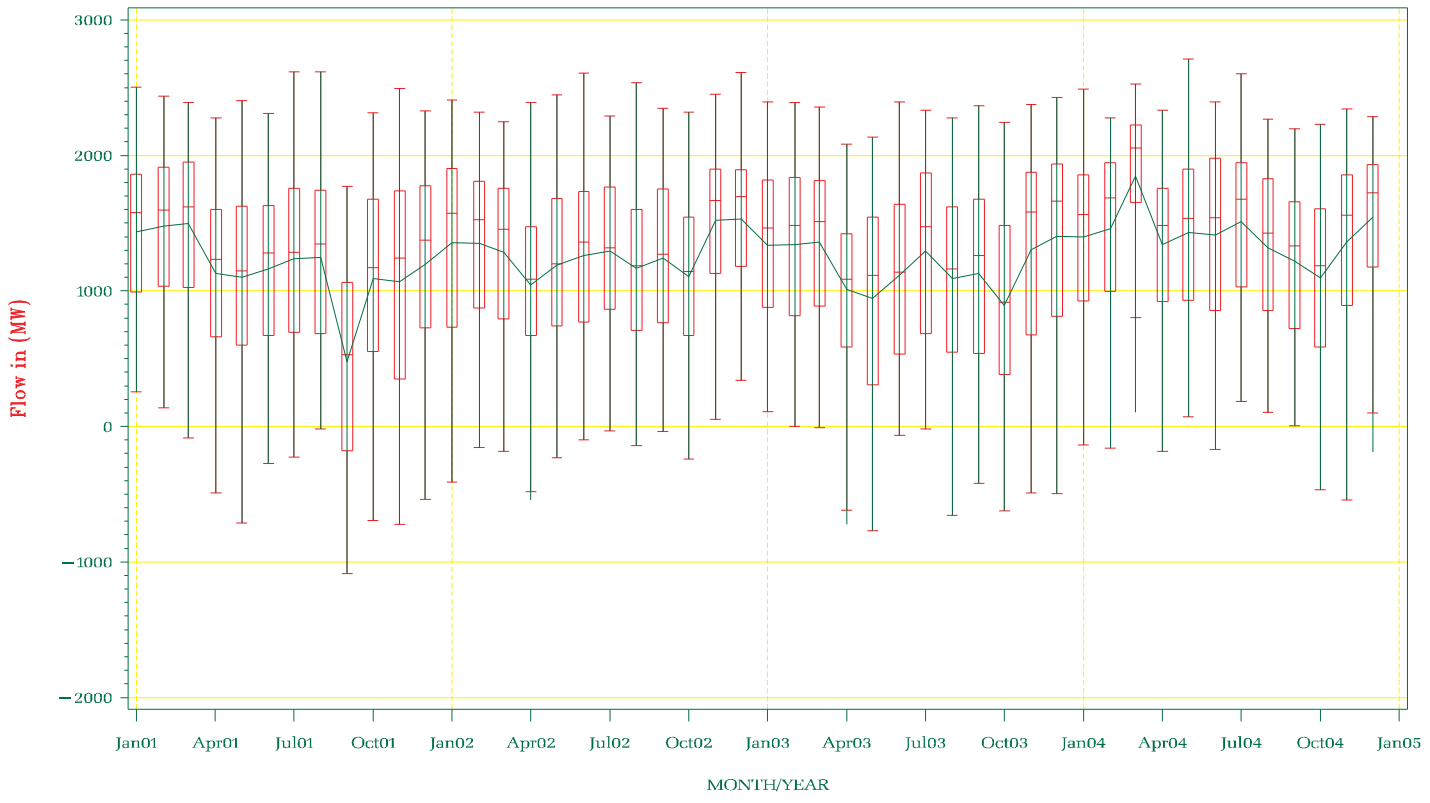
NYISO Percent of time Interface Flow For January 2001 – December 2004

West NY Gen Export



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

West NY Gen Export



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Appendix B – Margins to Limits

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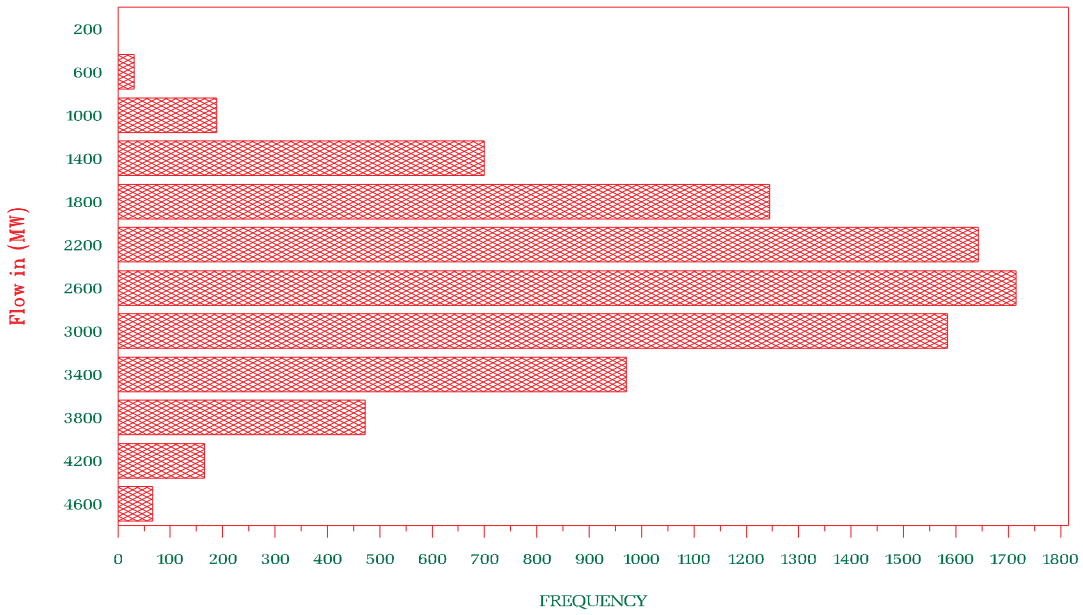
NYISO Frequency Interface Flow For January – December 2004

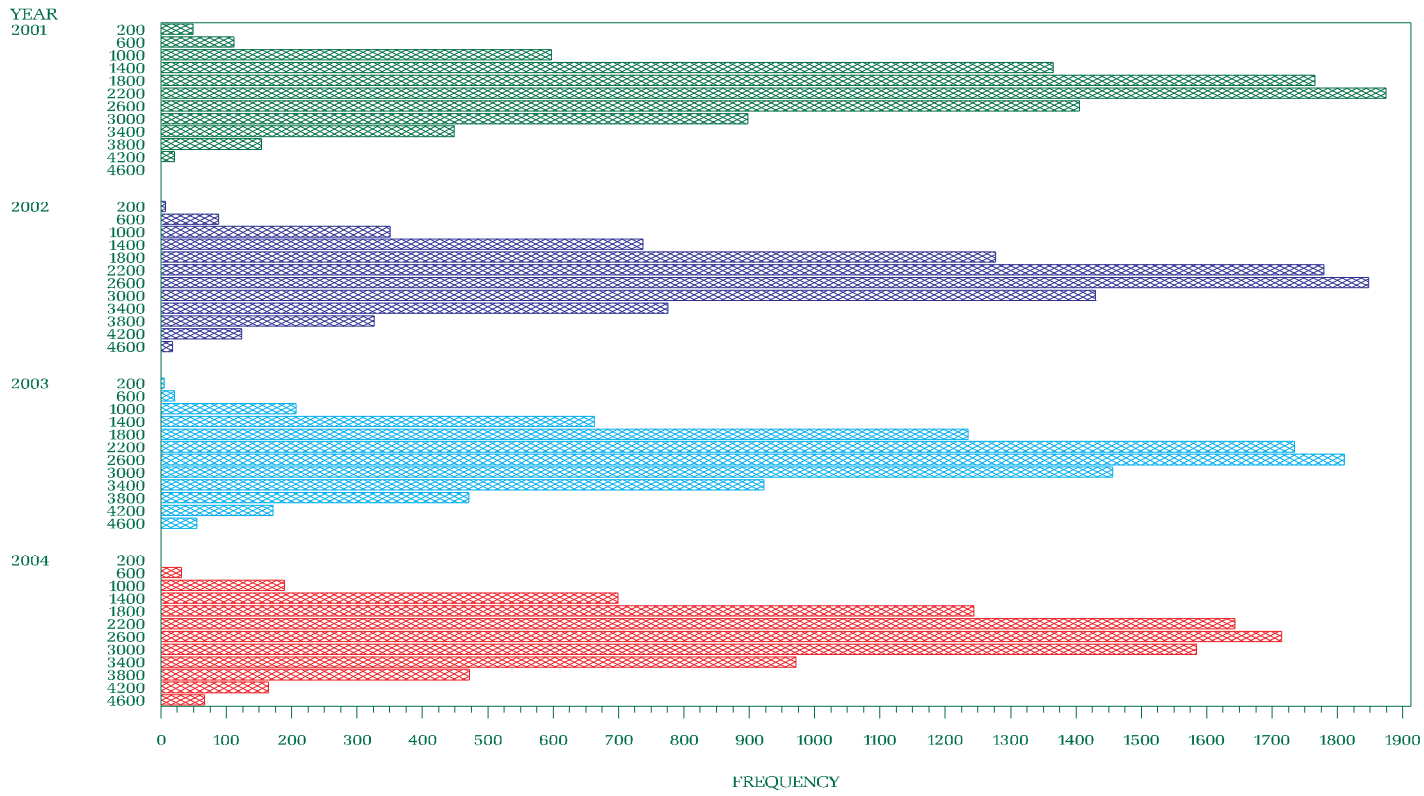
Margin to Total East Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
200	0	0	0.00	0.00
600	31	31	0.35	0.35
1000	189	220	2.15	2.51
1400	699	919	7.96	10.47
1800	1244	2163	14.17	24.64
2200	1643	3806	18.71	43.35
2600	1715	5521	19.53	62.88
3000	1584	7105	18.04	80.92
3400	971	8076	11.06	91.98
3800	472	8548	5.38	97.36
4200	165	8713	1.88	99.24
4600	67	8780	0.76	100.00

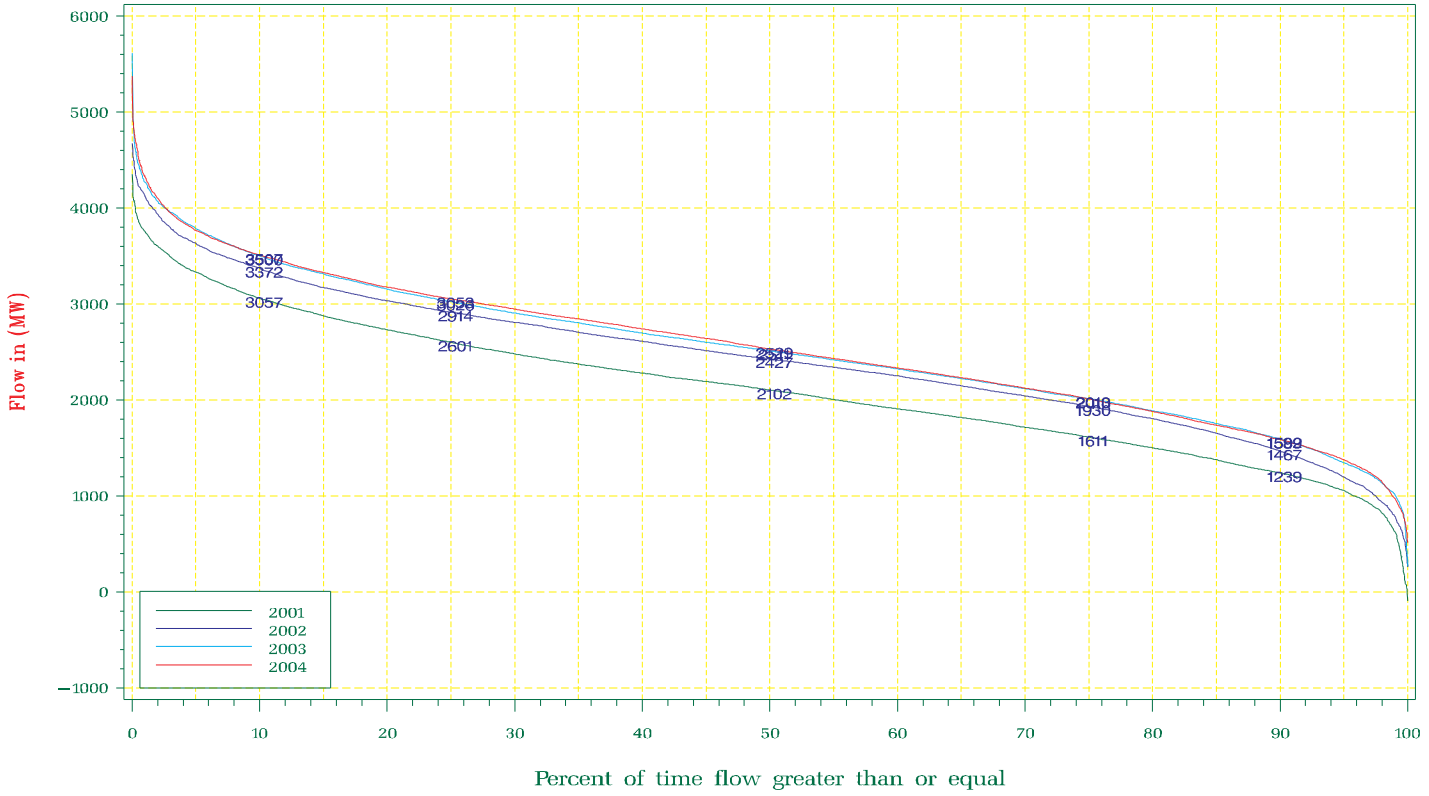
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to Total East Limit



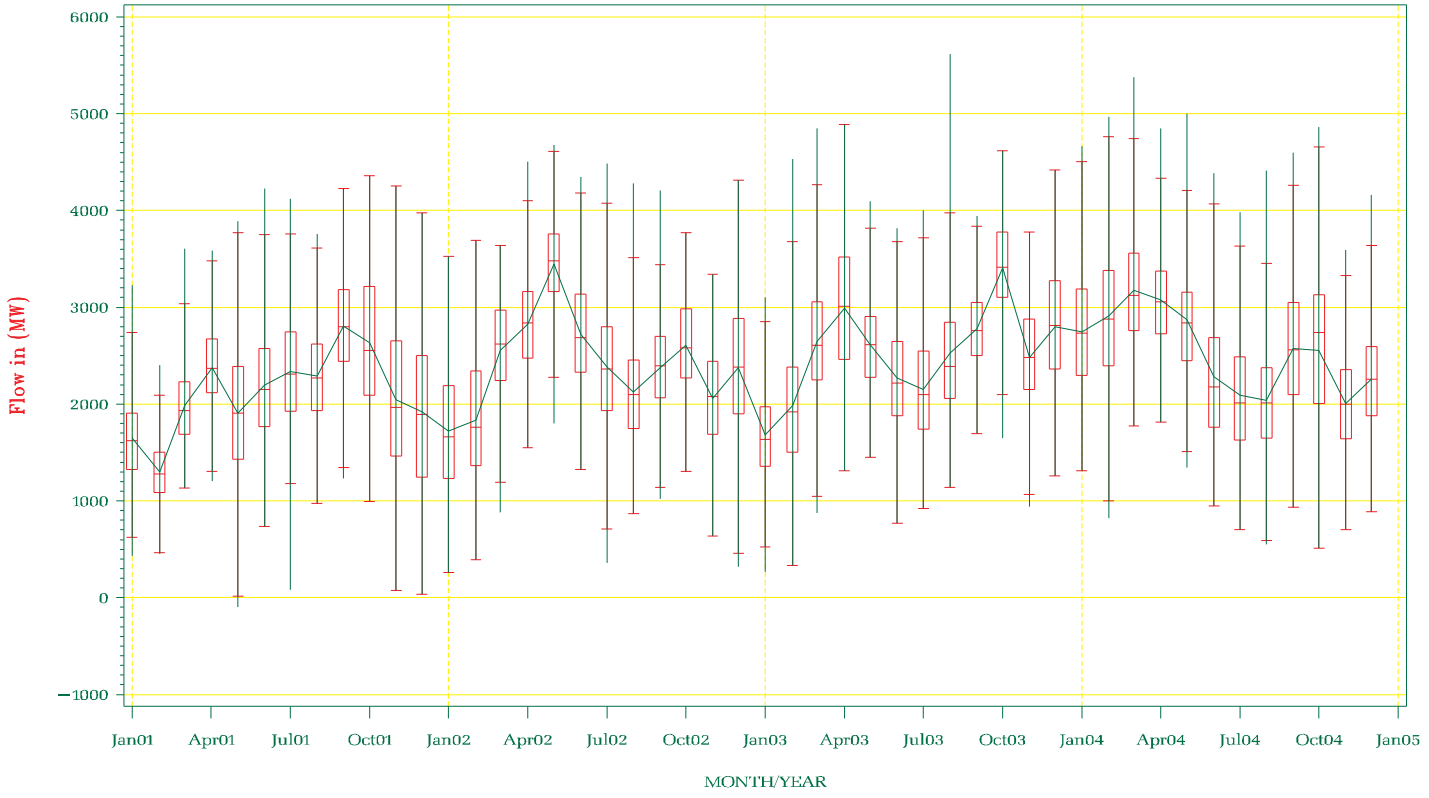
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to Total East Limit



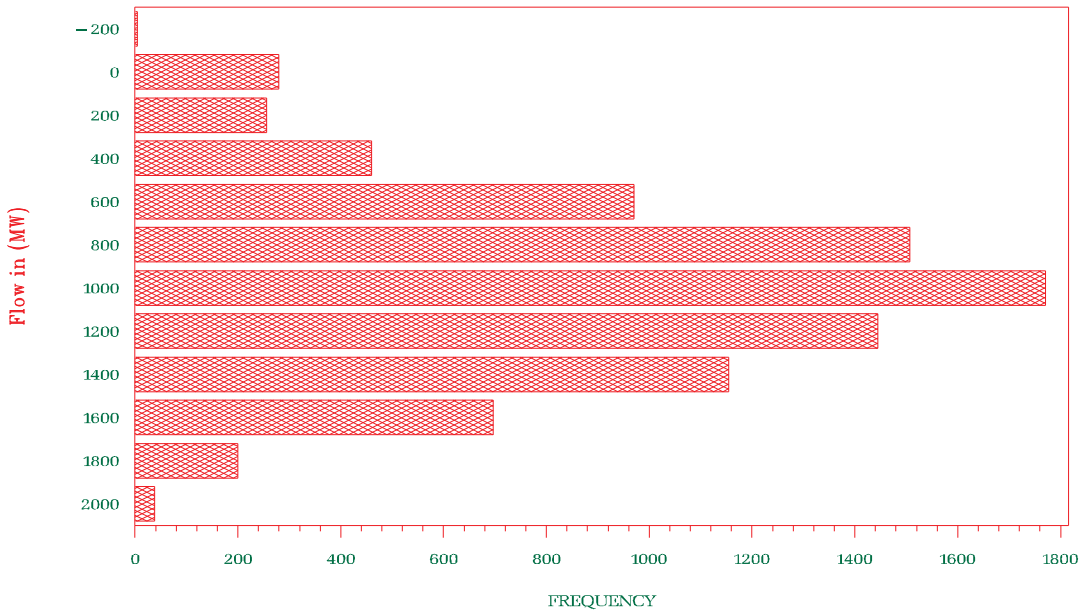
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to Total East Limit



NYISO Frequency Interface Flow For January – December 2004

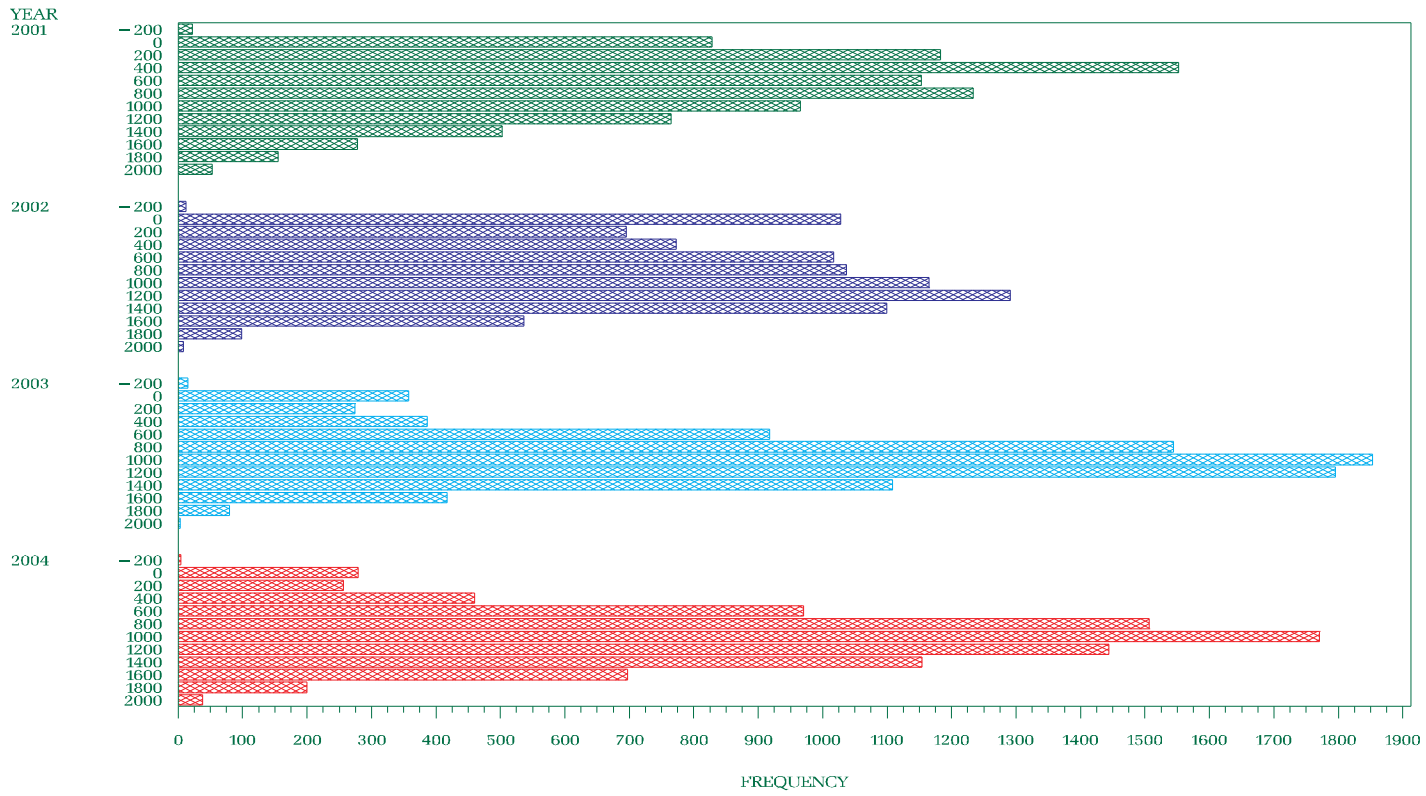
Margin to Central East Stability Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-200	4	4	0.05	0.05
0	279	283	3.18	3.22
200	256	539	2.92	6.14
400	460	999	5.24	11.38
600	970	1969	11.05	22.43
800	1507	3476	17.16	39.59
1000	1771	5247	20.17	59.76
1200	1444	6691	16.45	76.21
1400	1154	7845	13.14	89.35
1600	697	8542	7.94	97.29
1800	200	8742	2.28	99.57
2000	38	8780	0.43	100.00

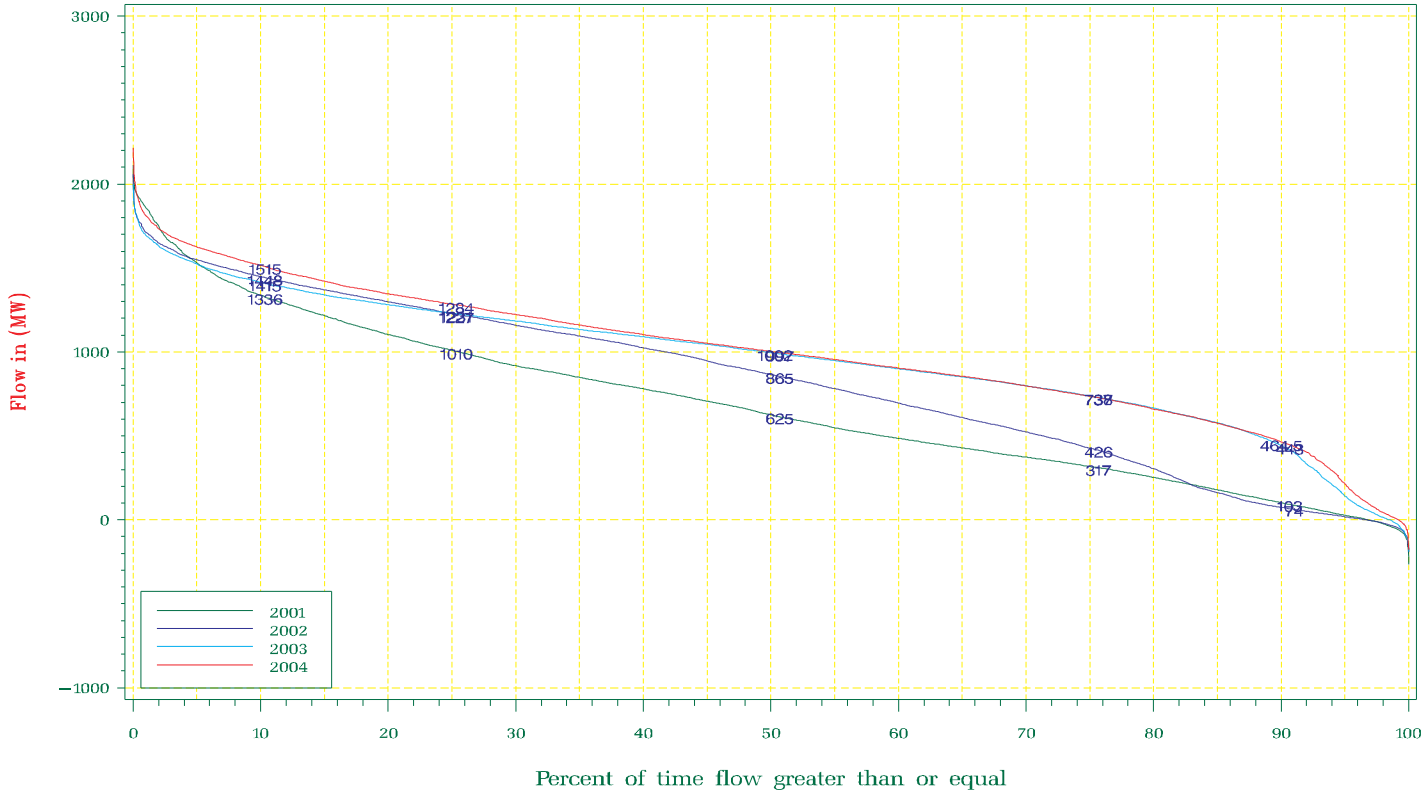
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to Central East Stability Limit



NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to Central East Stability Limit



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to Central East Stability Limit

NYISO Frequency Interface Flow For January – December 2004

Pre–Contingency Margin to Central East Limit

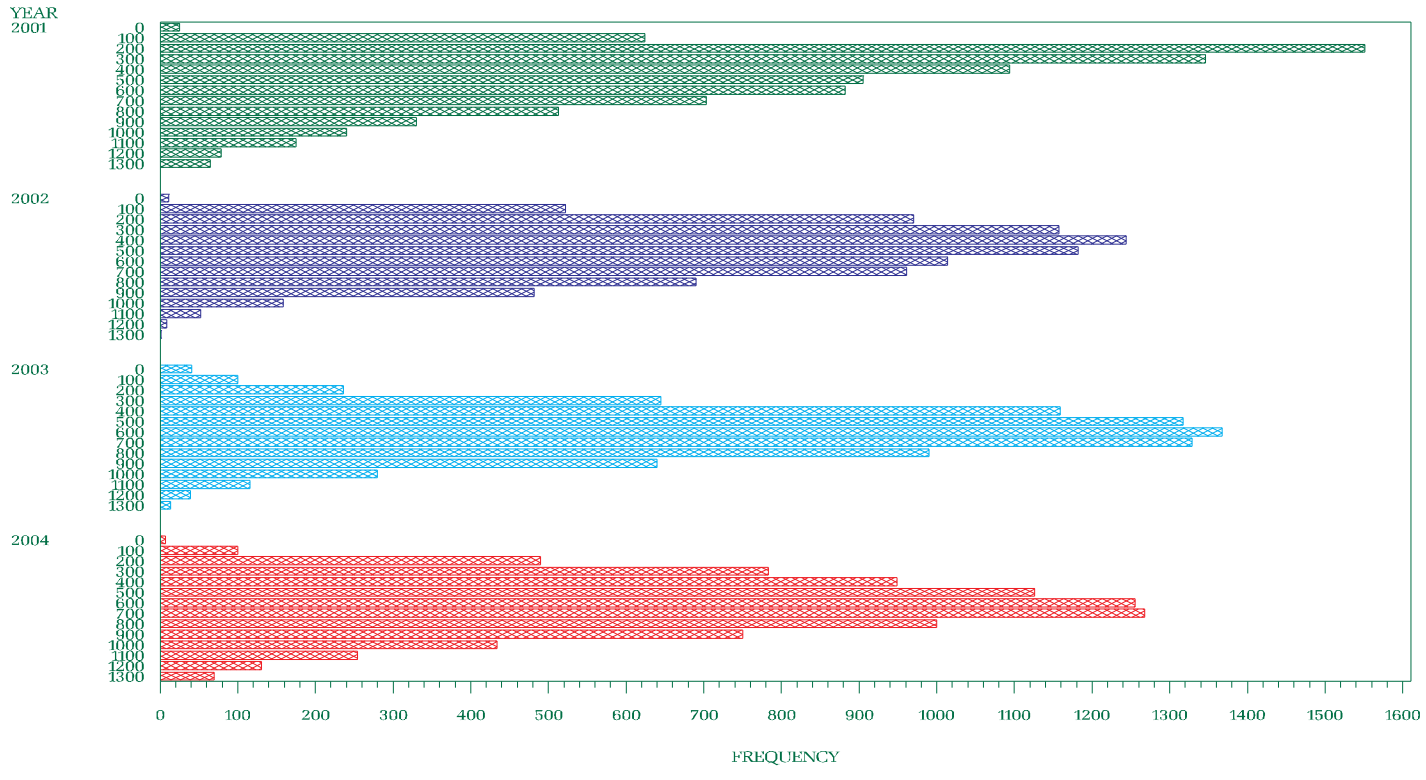
Minimum of 3 Most Limiting Voltage Collapse Limits

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	7	7	0.08	0.08
100	100	107	1.16	1.24
200	490	597	5.69	6.93
300	783	1380	9.09	16.01
400	949	2329	11.01	27.03
500	1126	3455	13.07	40.10
600	1255	4710	14.56	54.66
700	1268	5978	14.72	69.37
800	1000	6978	11.60	80.98
900	750	7728	8.70	89.68
1000	434	8162	5.04	94.72
1100	254	8416	2.95	97.67
1200	131	8547	1.52	99.19
1300	70	8617	0.81	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

Pre–Contingency Margin to Central East Limit

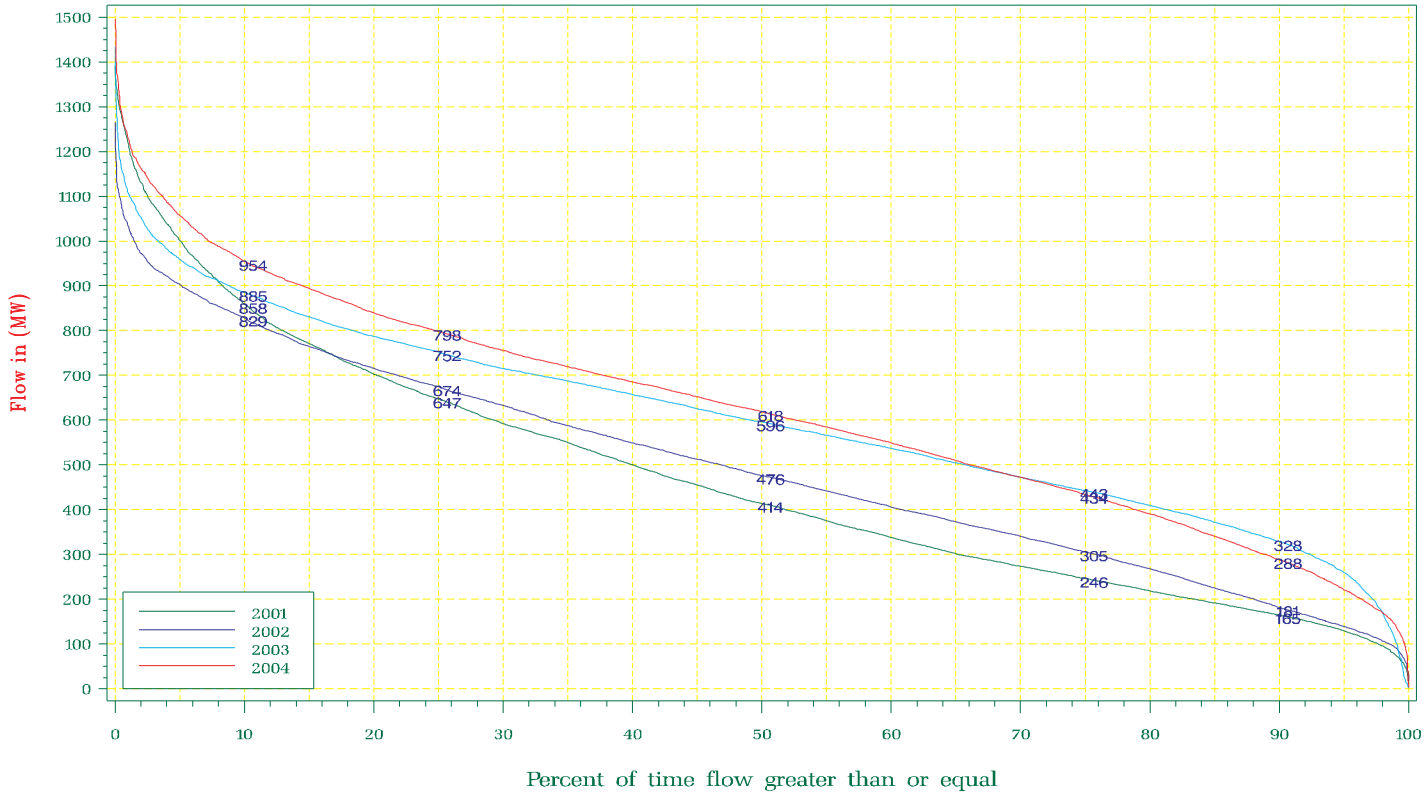
Minimum of 3 Most Limiting Voltage Collapse Limits



NYISO Percent of time Interface Flow For January 2001 – December 2004

Pre–Contingency Margin to Central East Limit

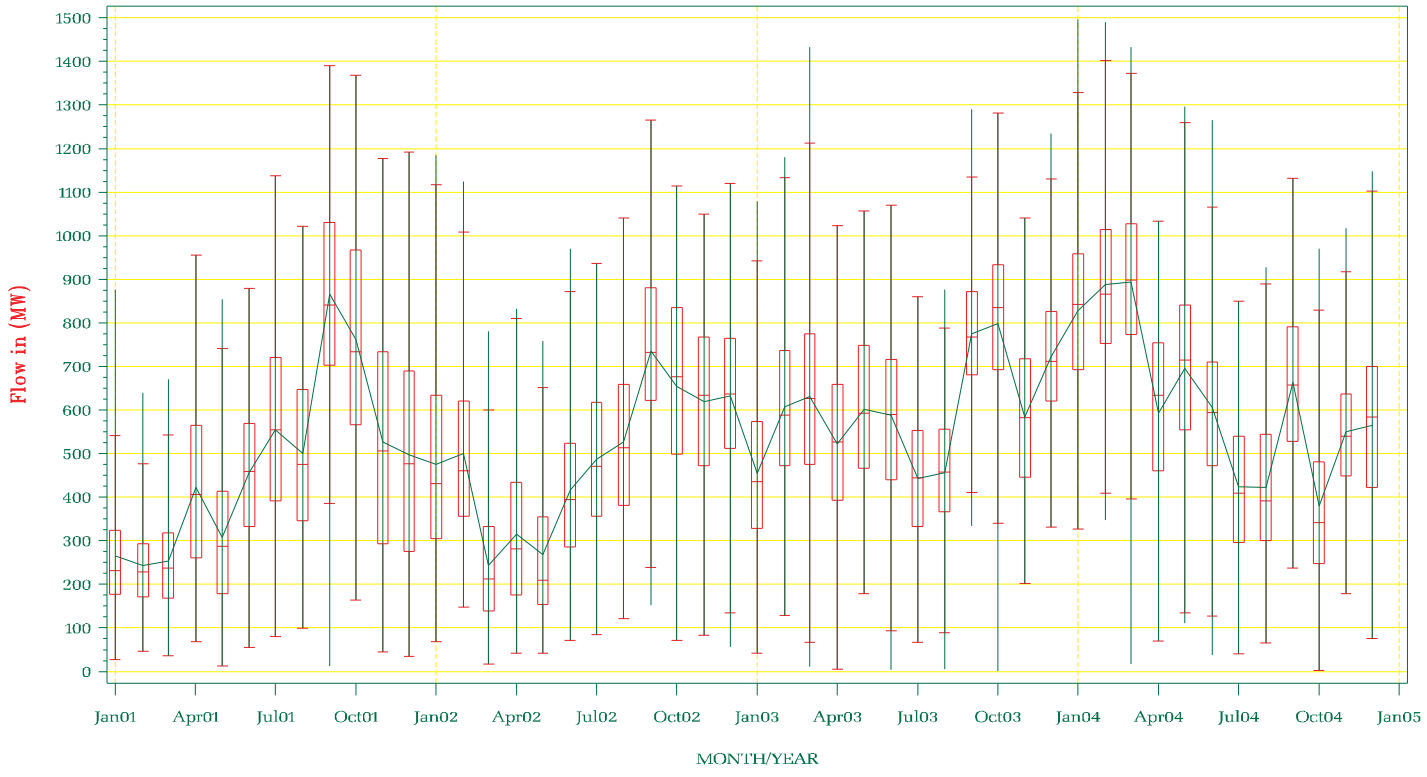
Minimum of 3 Most Limiting Voltage Collapse Limits



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

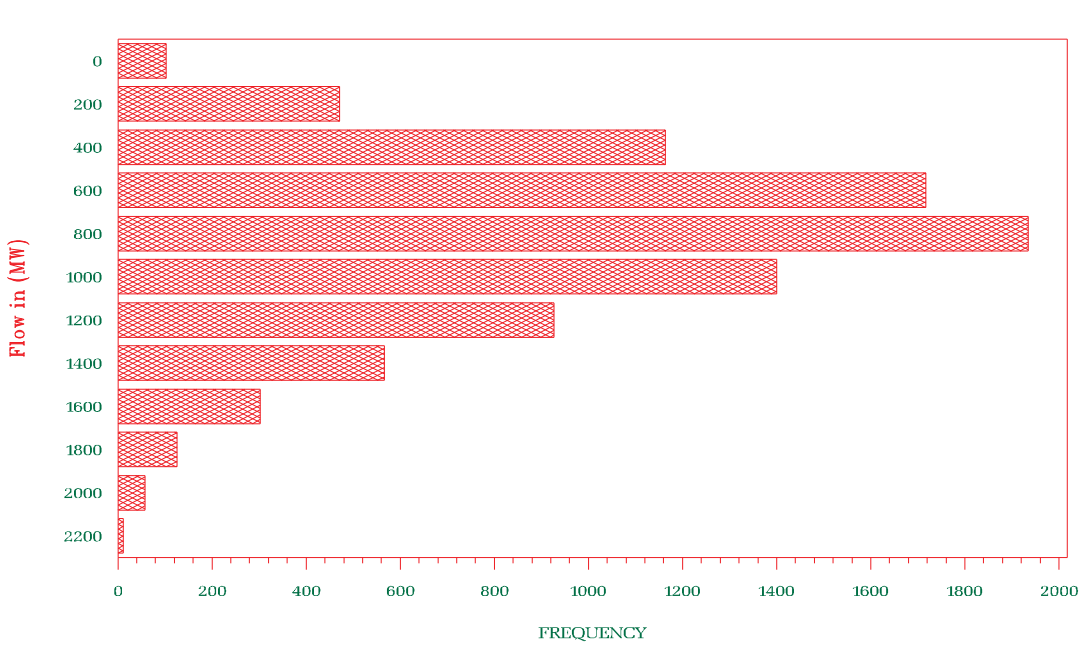
Pre–Contingency Margin to Central East Limit

Minimum of 3 Most Limiting Voltage Collapse Limits



NYISO Frequency Interface Flow For January – December 2004

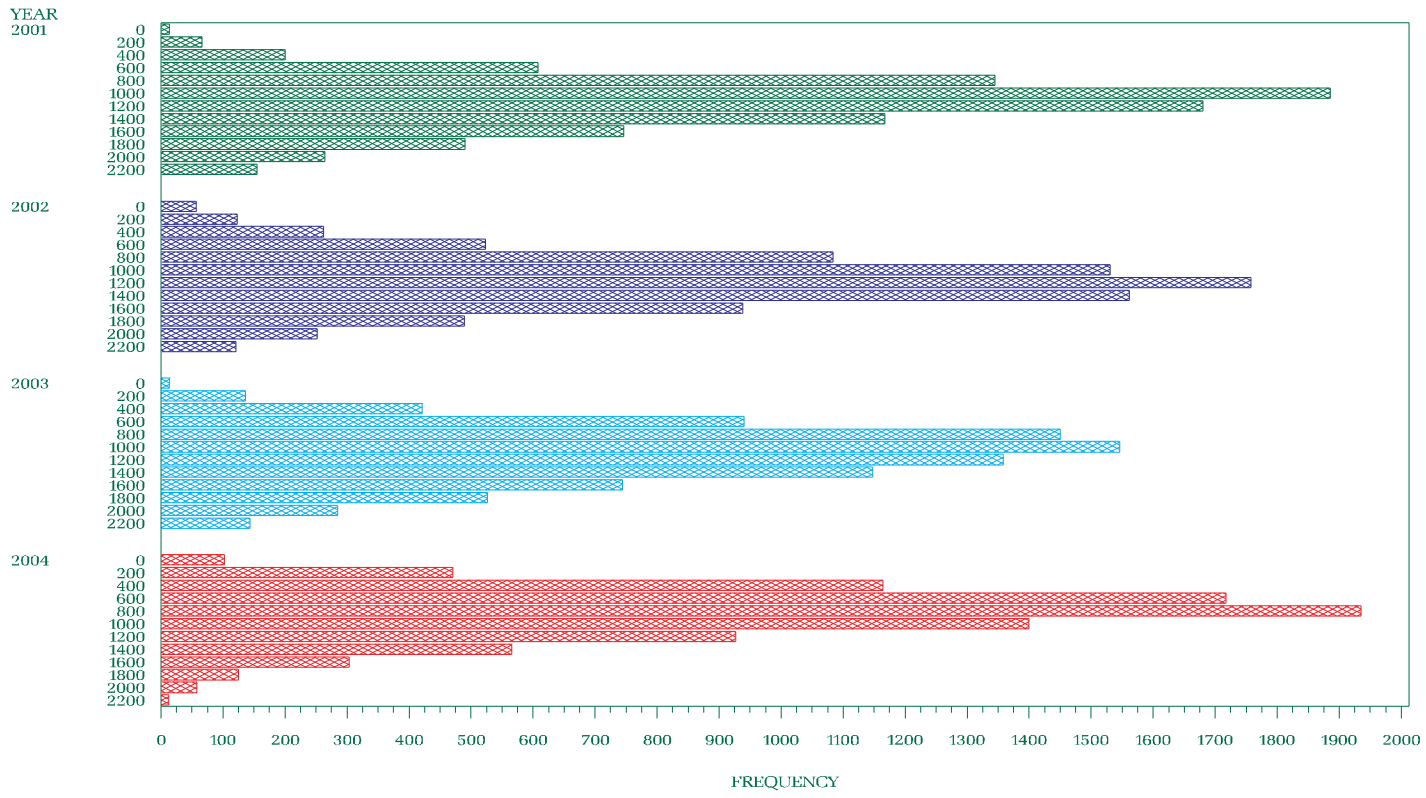
Margin to West Central Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	102	102	1.16	1.16
200	471	573	5.36	6.53
400	1164	1737	13.26	19.78
600	1717	3454	19.56	39.34
800	1935	5389	22.04	61.38
1000	1400	6789	15.95	77.32
1200	927	7716	10.56	87.88
1400	566	8282	6.45	94.33
1600	303	8585	3.45	97.78
1800	125	8710	1.42	99.20
2000	58	8768	0.66	99.86
2200	12	8780	0.14	100.00

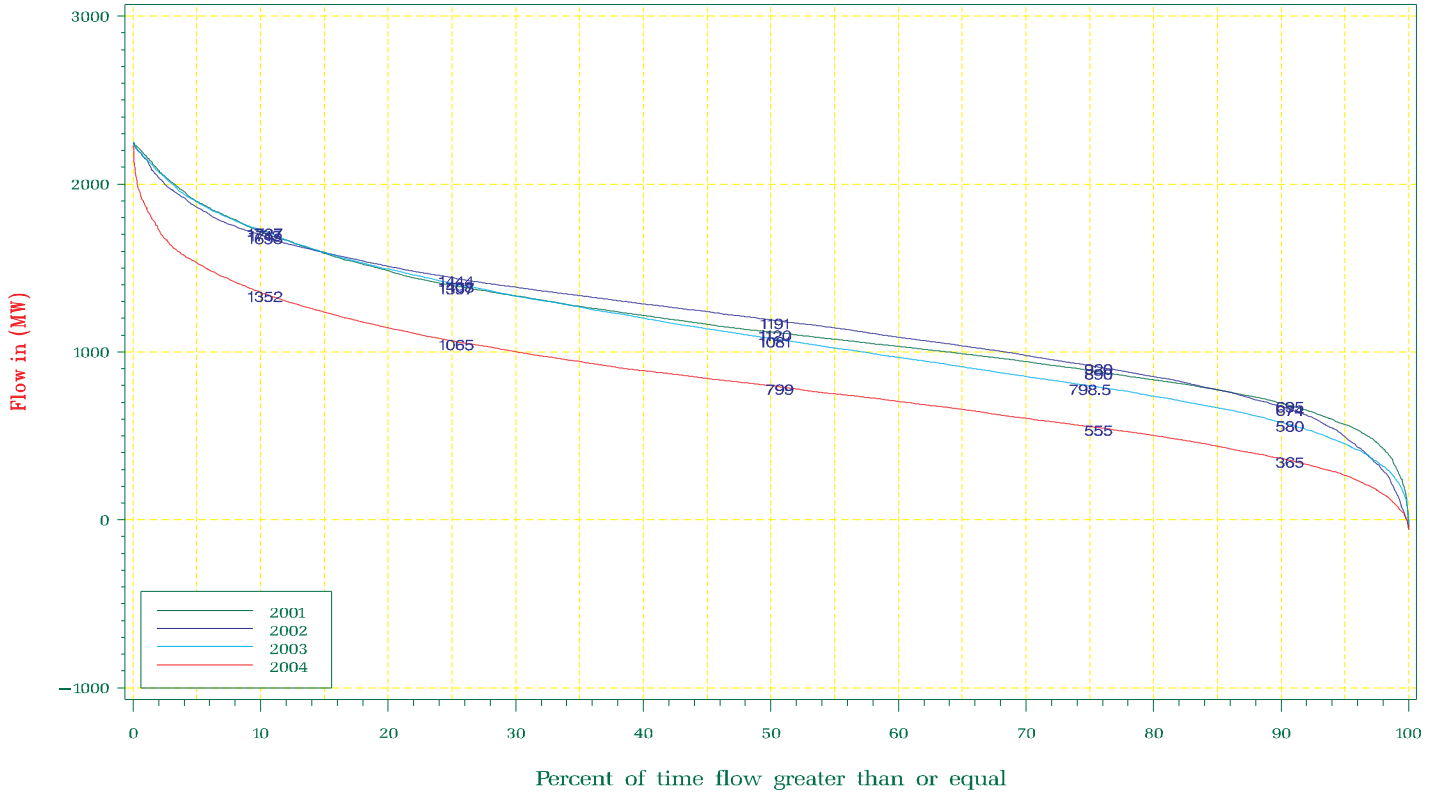
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to West Central Limit



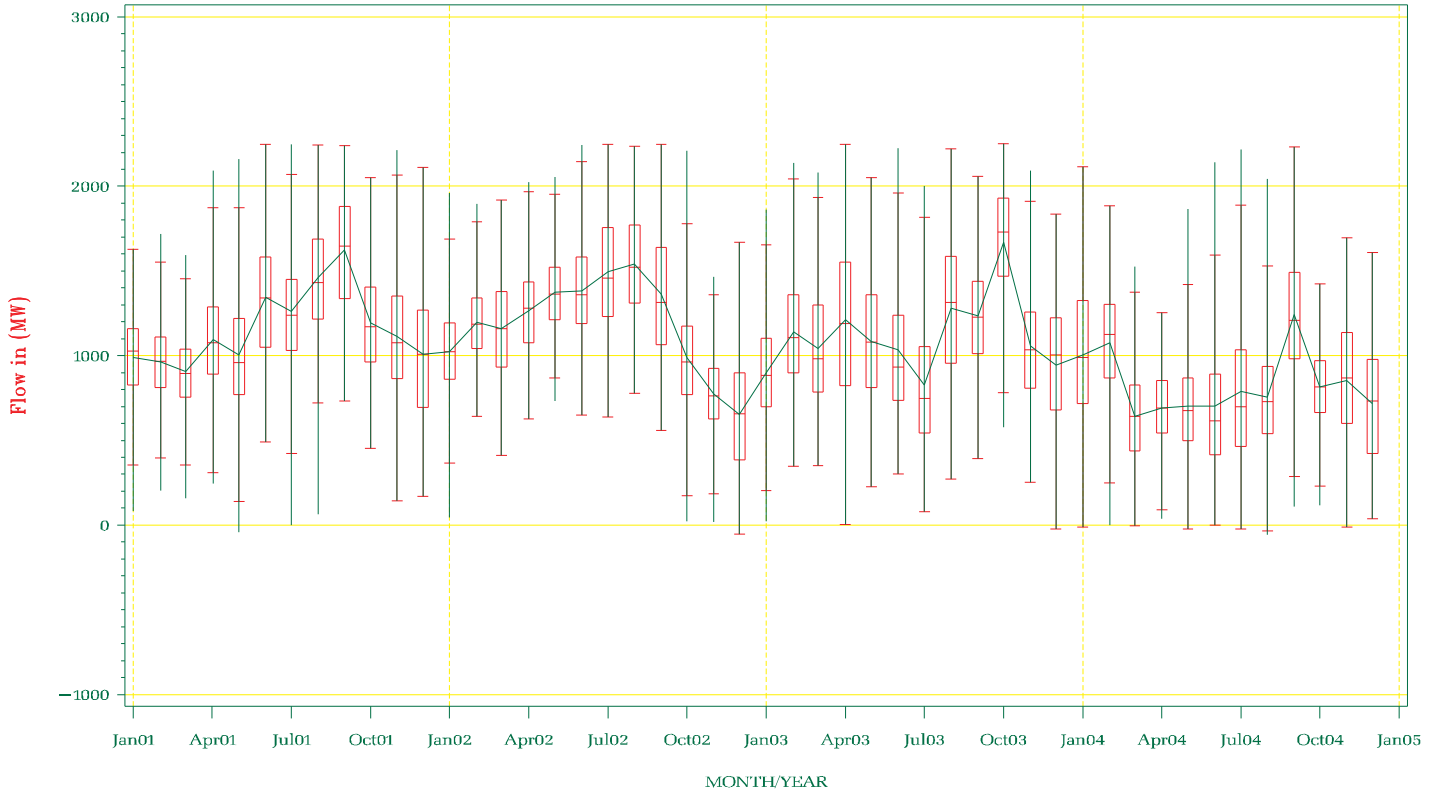
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to West Central Limit



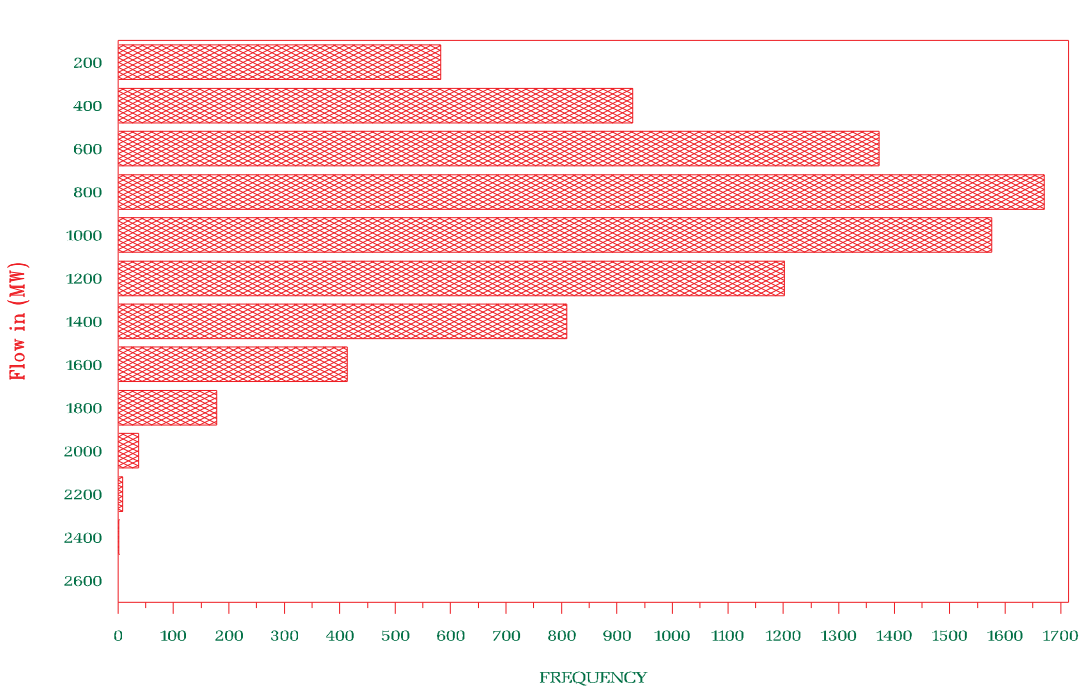
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to West Central Limit



NYISO Frequency Interface Flow For January – December 2004

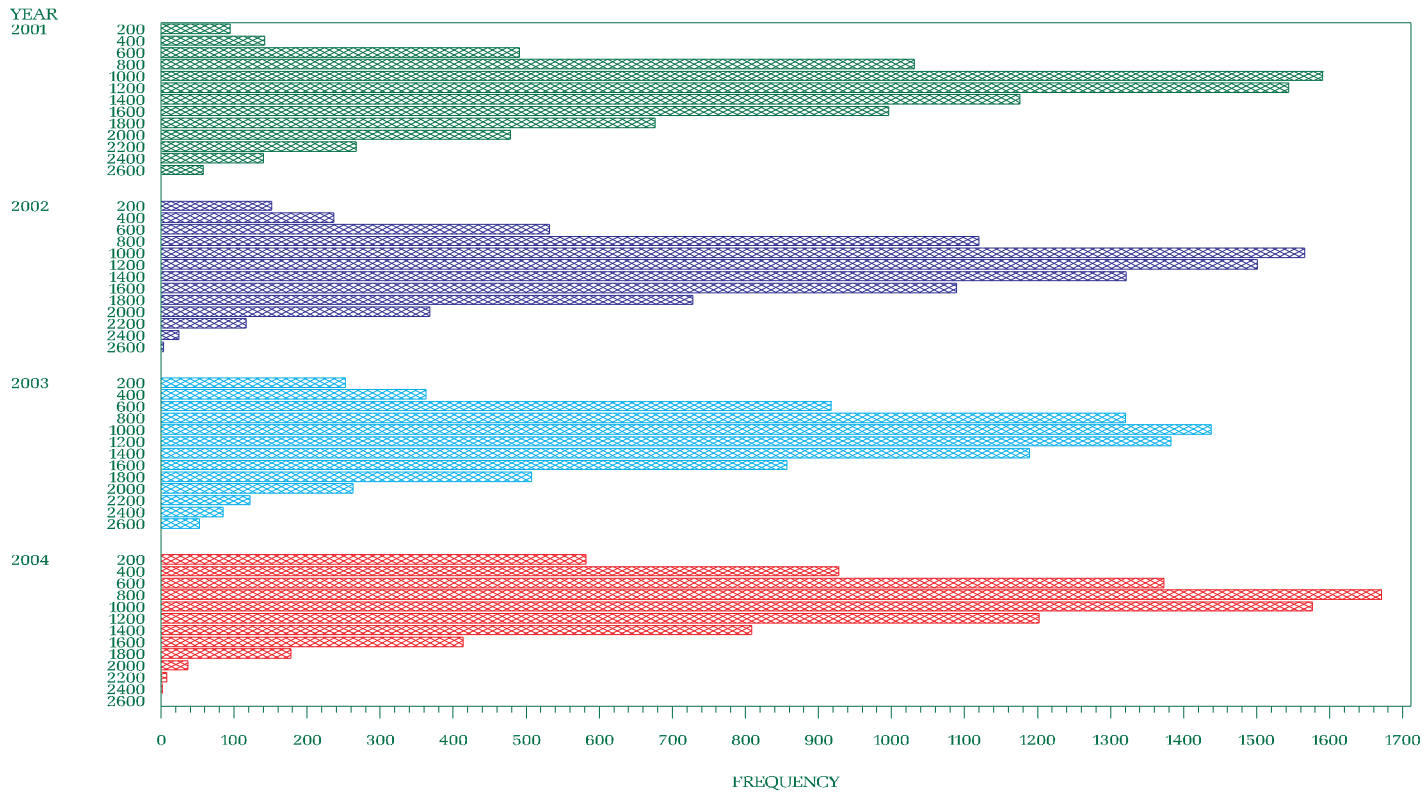
Margin to Dysinger East Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
200	582	582	6.63	6.63
400	928	1510	10.57	17.20
600	1373	2883	15.64	32.84
800	1671	4554	19.03	51.87
1000	1576	6130	17.95	69.82
1200	1202	7332	13.69	83.51
1400	809	8141	9.21	92.72
1600	414	8555	4.72	97.44
1800	178	8733	2.03	99.46
2000	37	8770	0.42	99.89
2200	8	8778	0.09	99.98
2400	2	8780	0.02	100.00
2600	0	8780	0.00	100.00

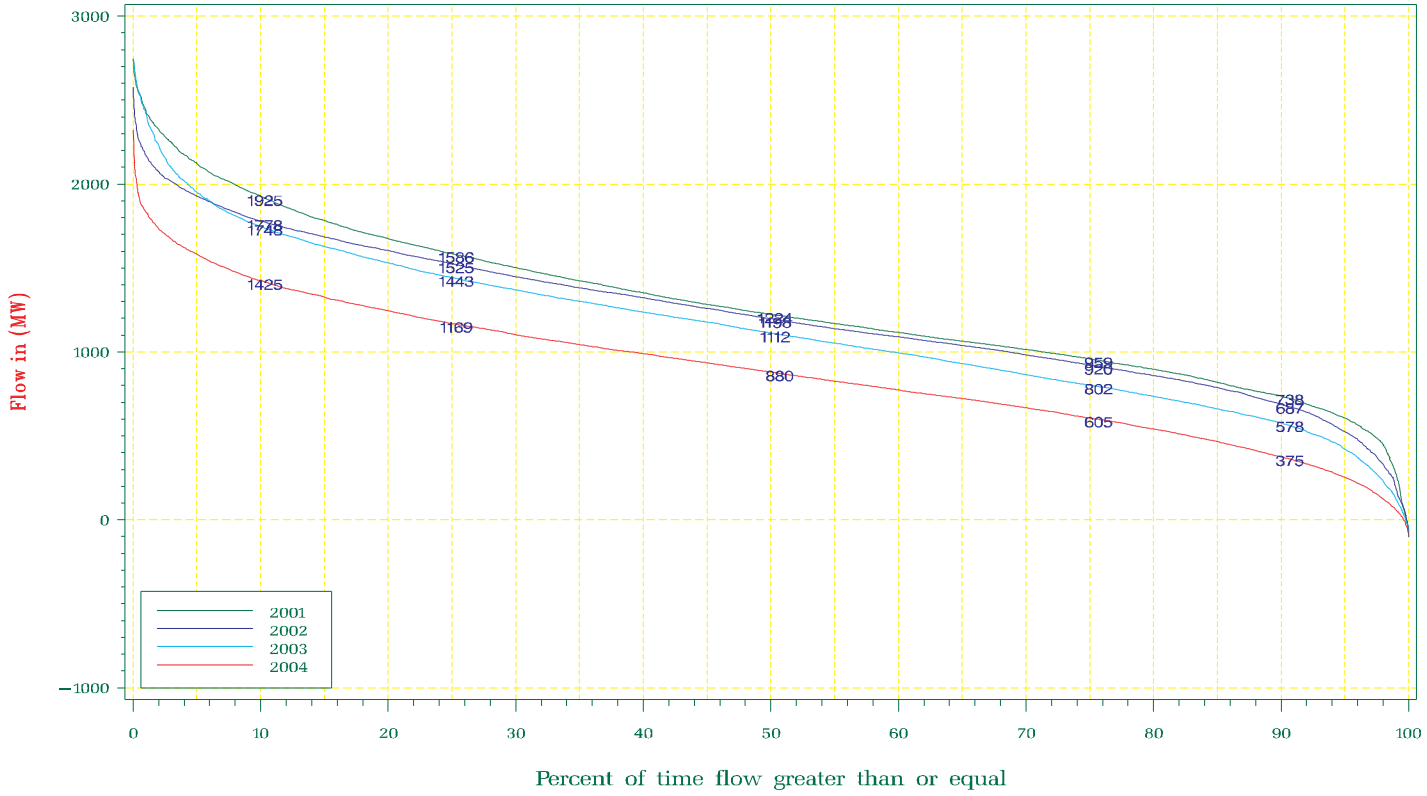
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to Dysinger East Limit



NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to Dysinger East Limit



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to Dysinger East Limit

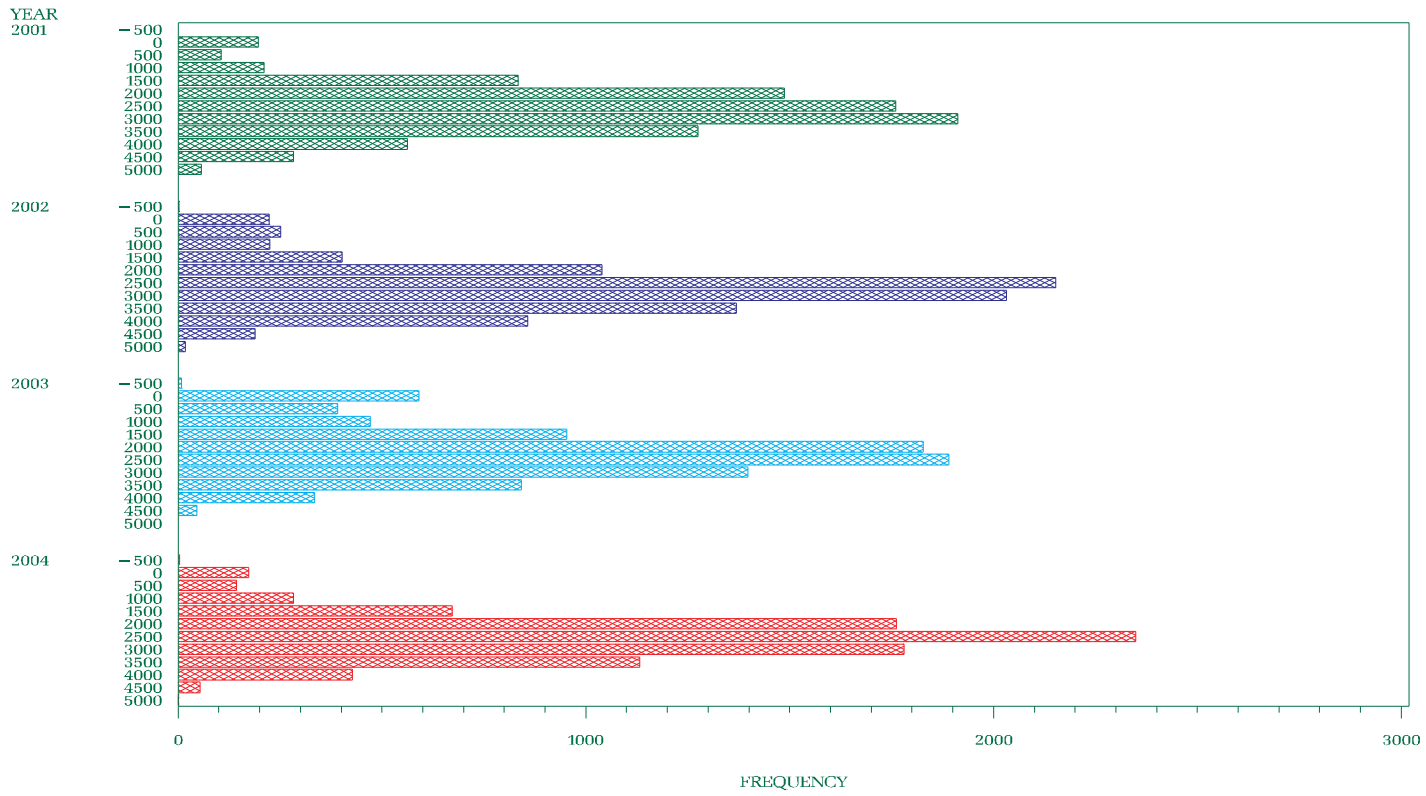
NYISO Frequency Interface Flow For January – December 2004

Margin to UPNY Con Ed Limit

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
−500	4	4	0.05	0.05
0	173	177	1.97	2.02
500	143	320	1.63	3.64
1000	283	603	3.22	6.87
1500	672	1275	7.65	14.52
2000	1762	3037	20.07	34.59
2500	2348	5385	26.74	61.33
3000	1780	7165	20.27	81.61
3500	1132	8297	12.89	94.50
4000	428	8725	4.87	99.37
4500	54	8779	0.62	99.99
5000	1	8780	0.01	100.00

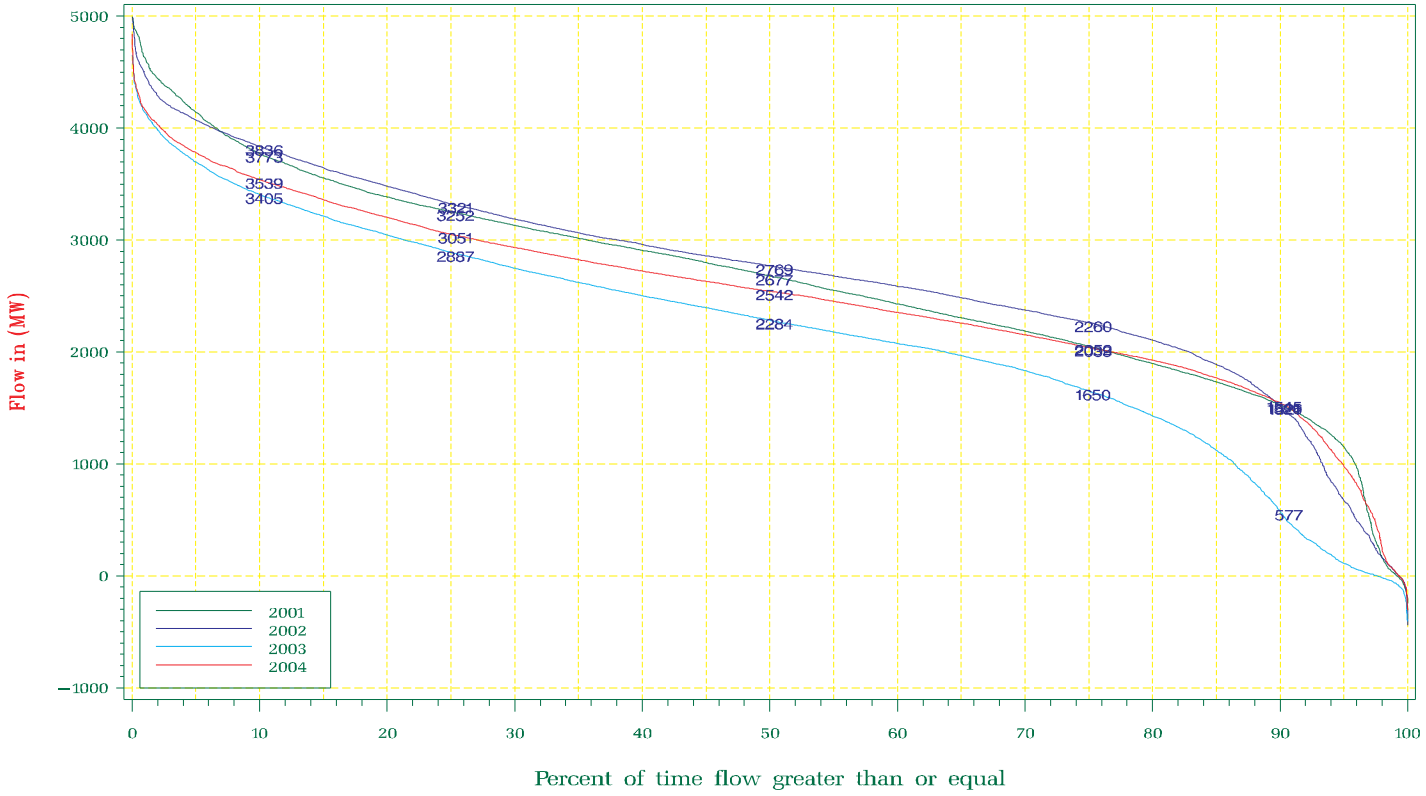
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to UPNY Con Ed Limit



NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to UPNY Con Ed Limit

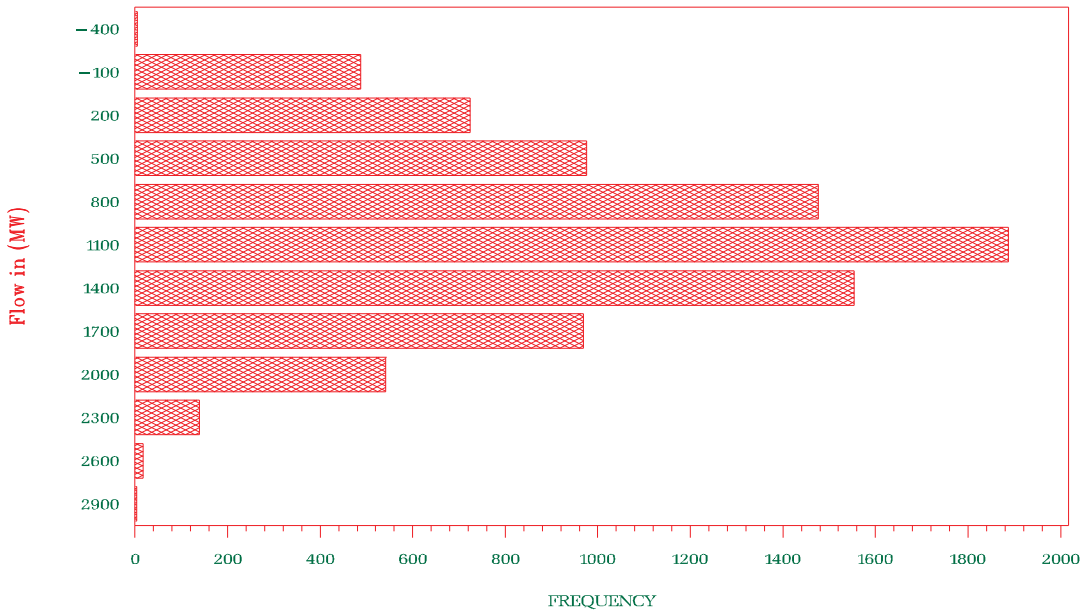


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to UPNY Con Ed Limit

NYISO Frequency Interface Flow For January – December 2004

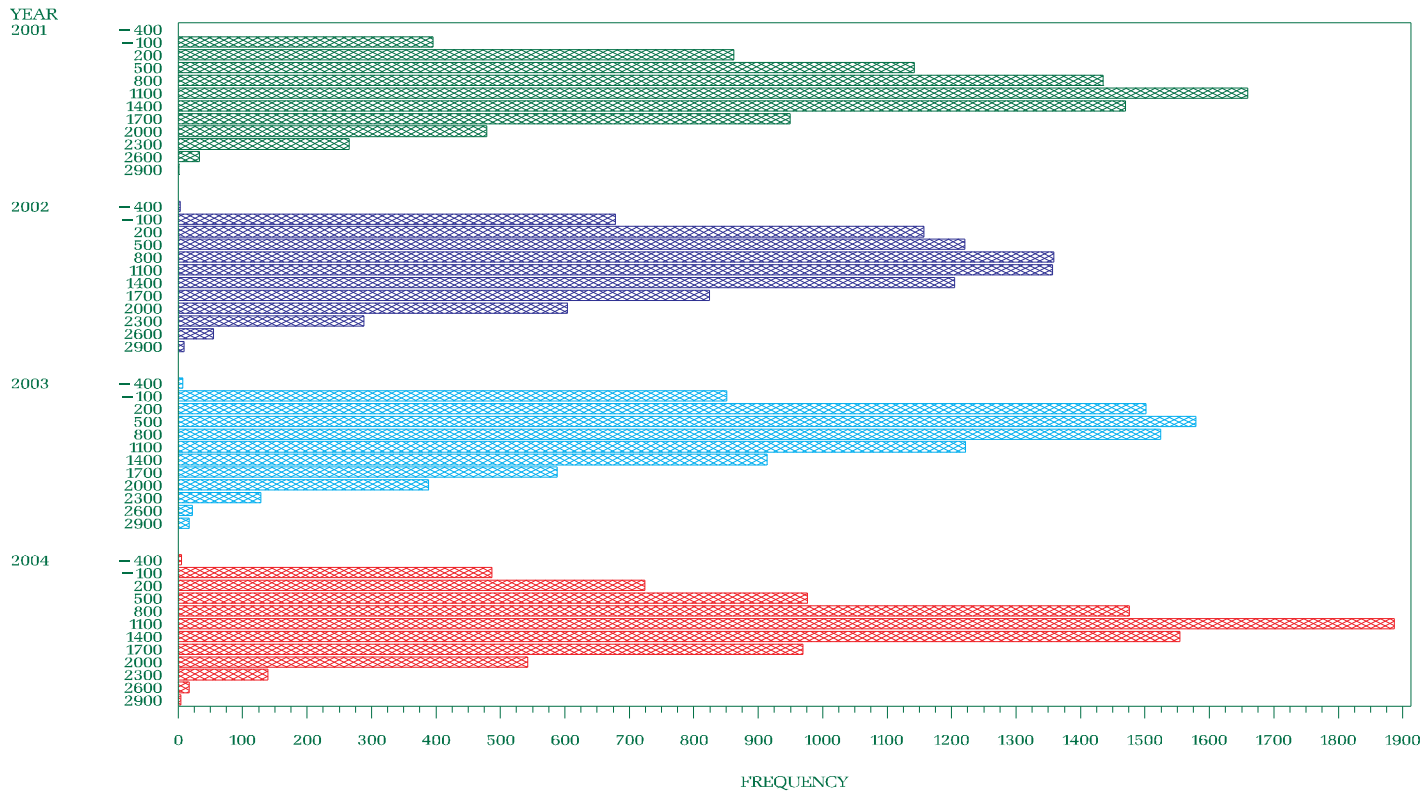
Margin to Sprainbrook/Dunwoodie Limit



Flow in (MW)	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
-400	5	5	0.06	0.06
-100	487	492	5.55	5.60
200	724	1216	8.25	13.85
500	976	2192	11.12	24.97
800	1476	3668	16.81	41.78
1100	1887	5555	21.49	63.27
1400	1554	7109	17.70	80.97
1700	969	8078	11.04	92.00
2000	542	8620	6.17	98.18
2300	139	8759	1.58	99.76
2600	17	8776	0.19	99.95
2900	4	8780	0.05	100.00

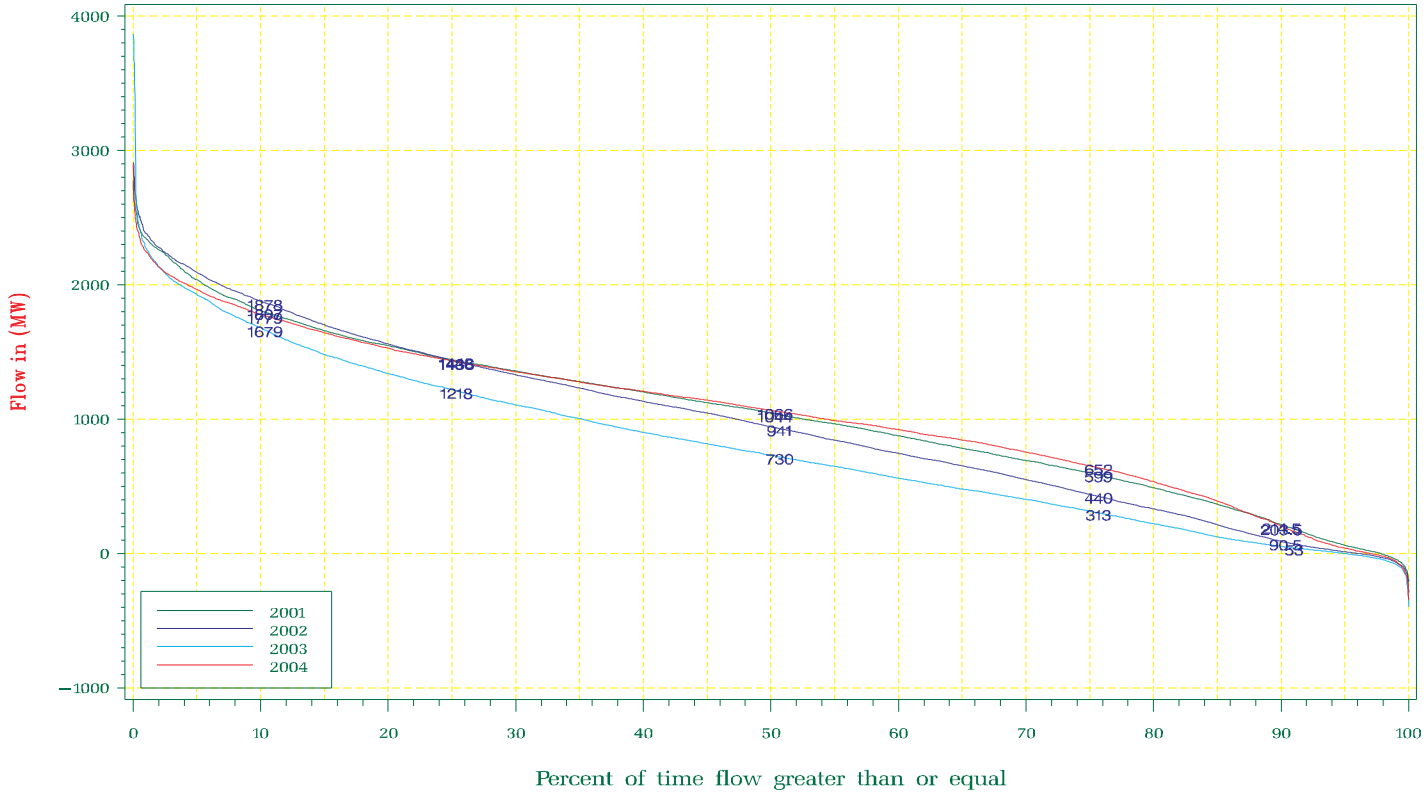
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to Sprainbrook/Dunwoodie Limit



NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to Sprainbrook/Dunwoodie Limit

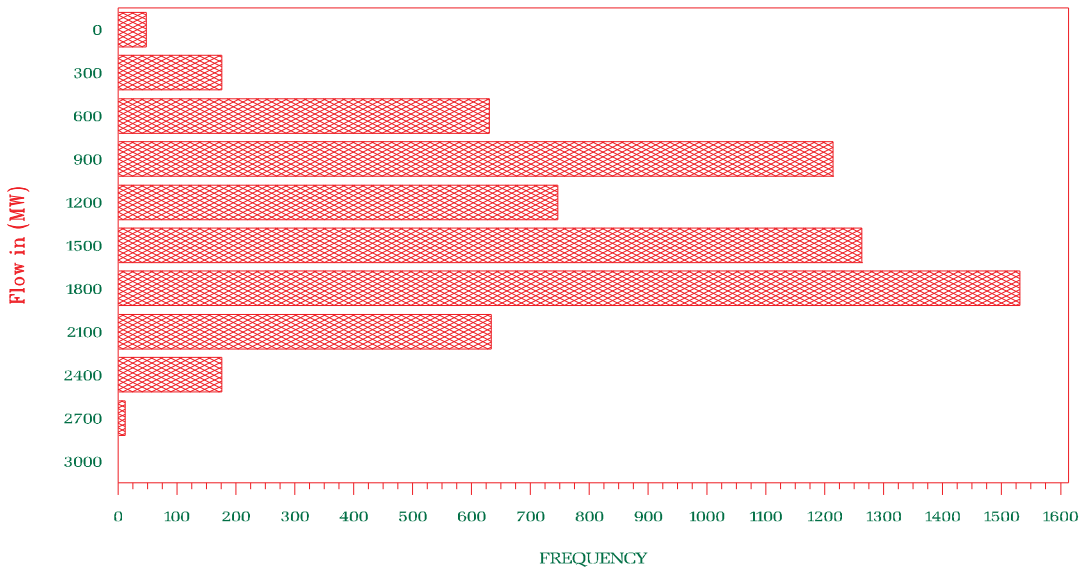


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to Sprainbrook/Dunwoodie Limit

NYISO Frequency Interface Flow For January – December 2004

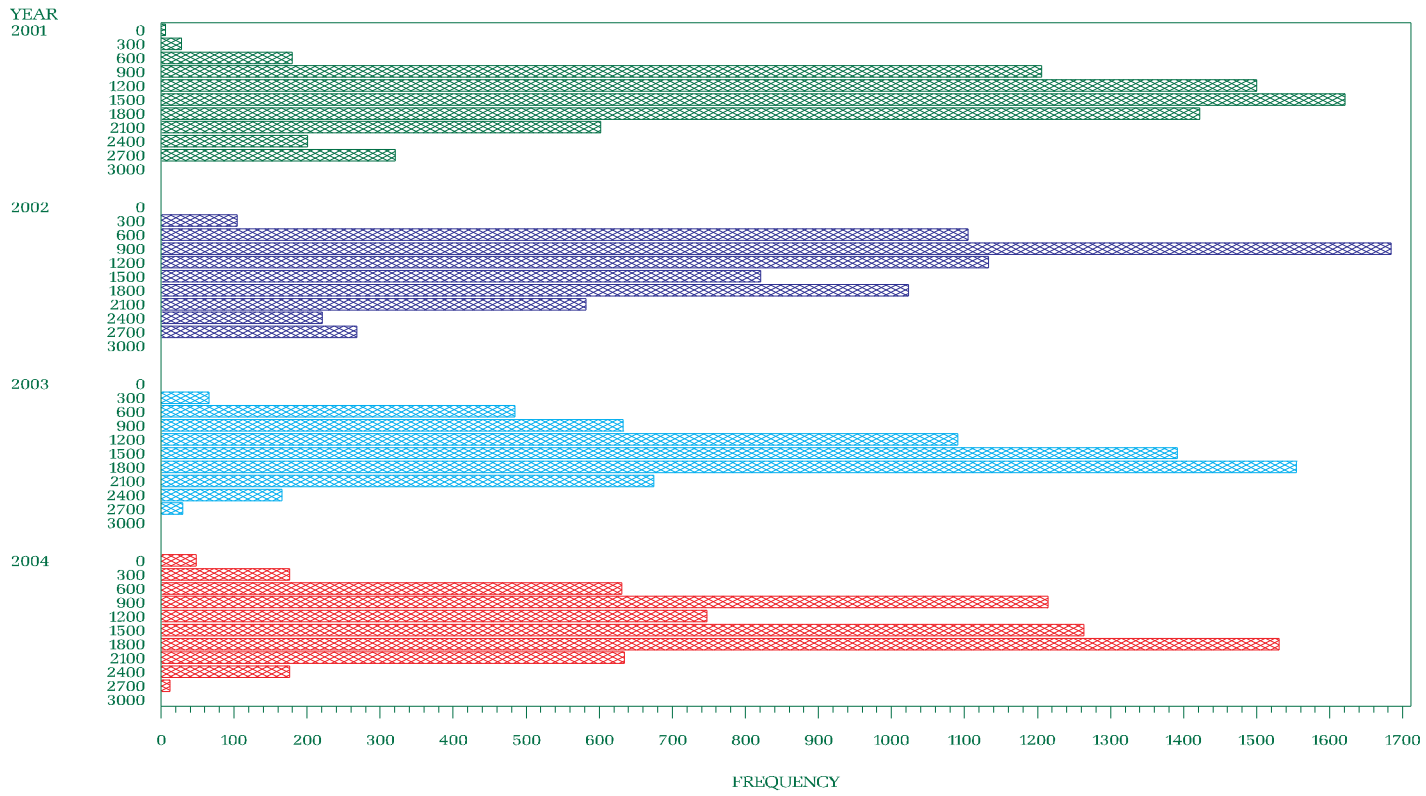
Margin to Moses South Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	48	48	0.75	0.75
300	176	224	2.74	3.48
600	631	855	9.81	13.29
900	1214	2069	18.87	32.17
1200	747	2816	11.61	43.78
1500	1263	4079	19.64	63.42
1800	1531	5610	23.80	87.22
2100	634	6244	9.86	97.08
2400	176	6420	2.74	99.81
2700	12	6432	0.19	100.00
3000	0	6432	0.00	100.00

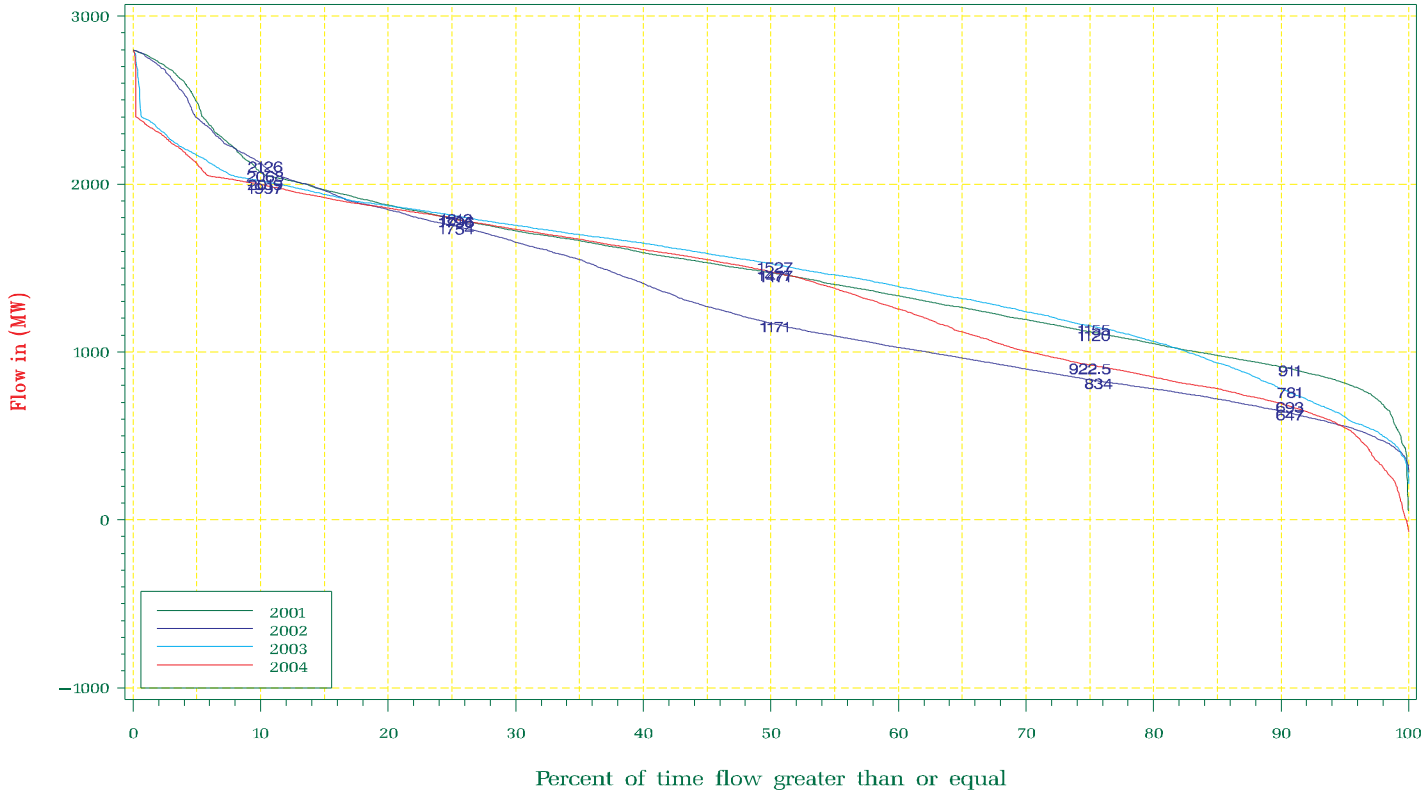
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to Moses South Limit



NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to Moses South Limit

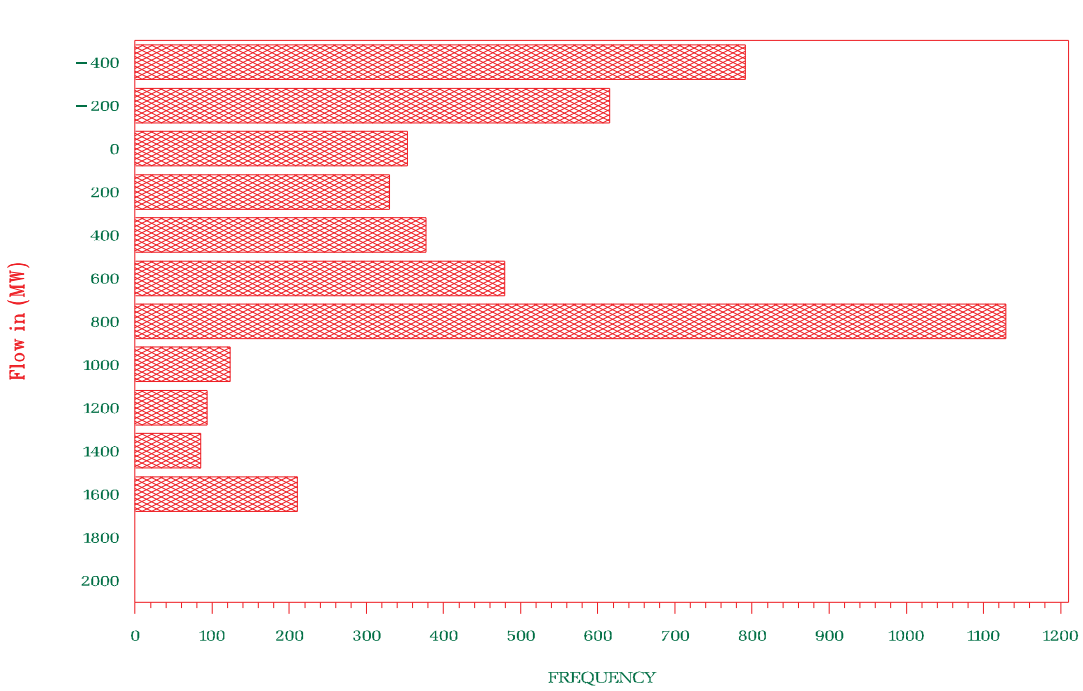


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to Moses South Limit

NYISO Frequency Interface Flow For January – December 2004

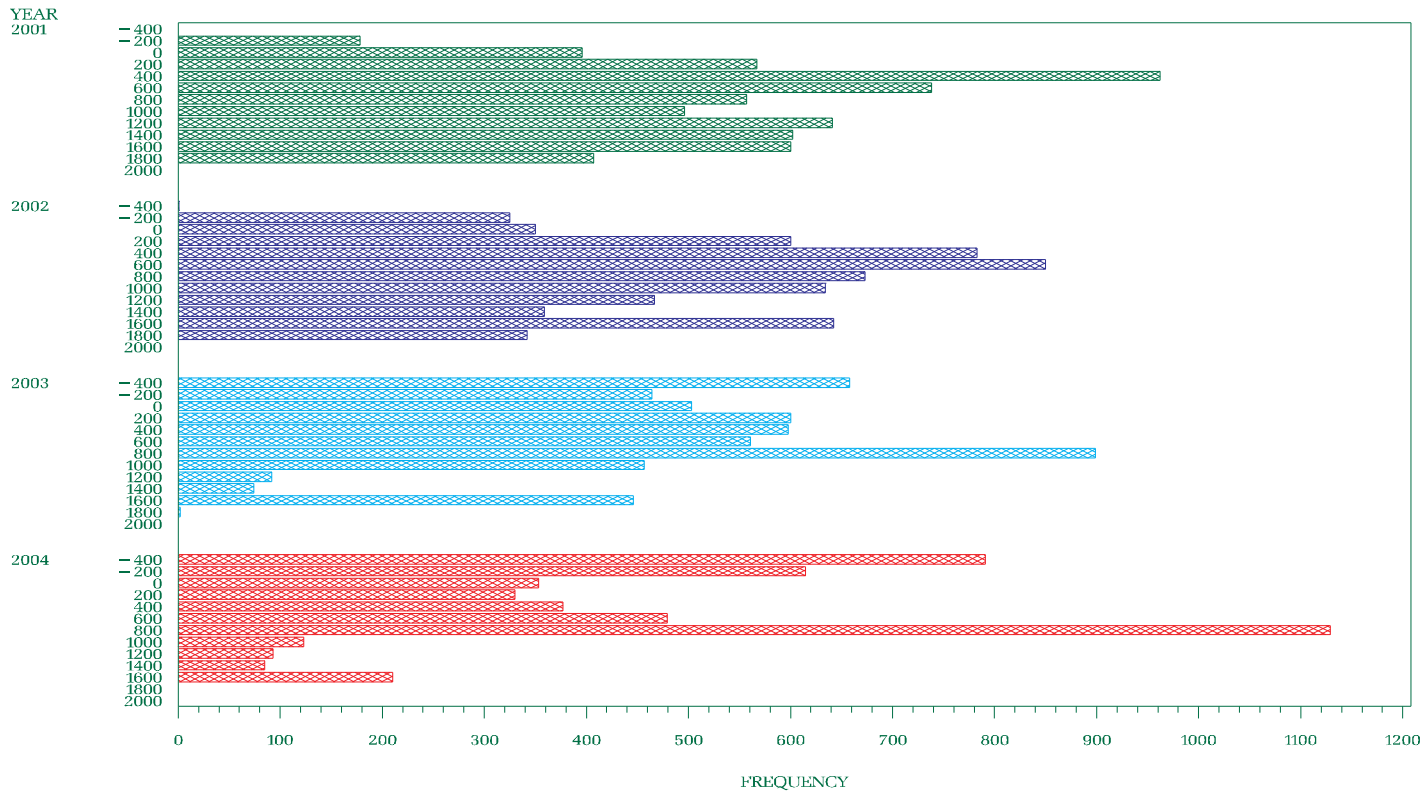
Margin to TE–NY Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
–400	791	791	17.25	17.25
–200	615	1406	13.41	30.67
0	353	1759	7.70	38.36
200	330	2089	7.20	45.56
400	377	2466	8.22	53.78
600	479	2945	10.45	64.23
800	1129	4074	24.62	88.85
1000	123	4197	2.68	91.54
1200	93	4290	2.03	93.57
1400	85	4375	1.85	95.42
1600	210	4585	4.58	100.00
1800	0	4585	0.00	100.00
2000	0	4585	0.00	100.00

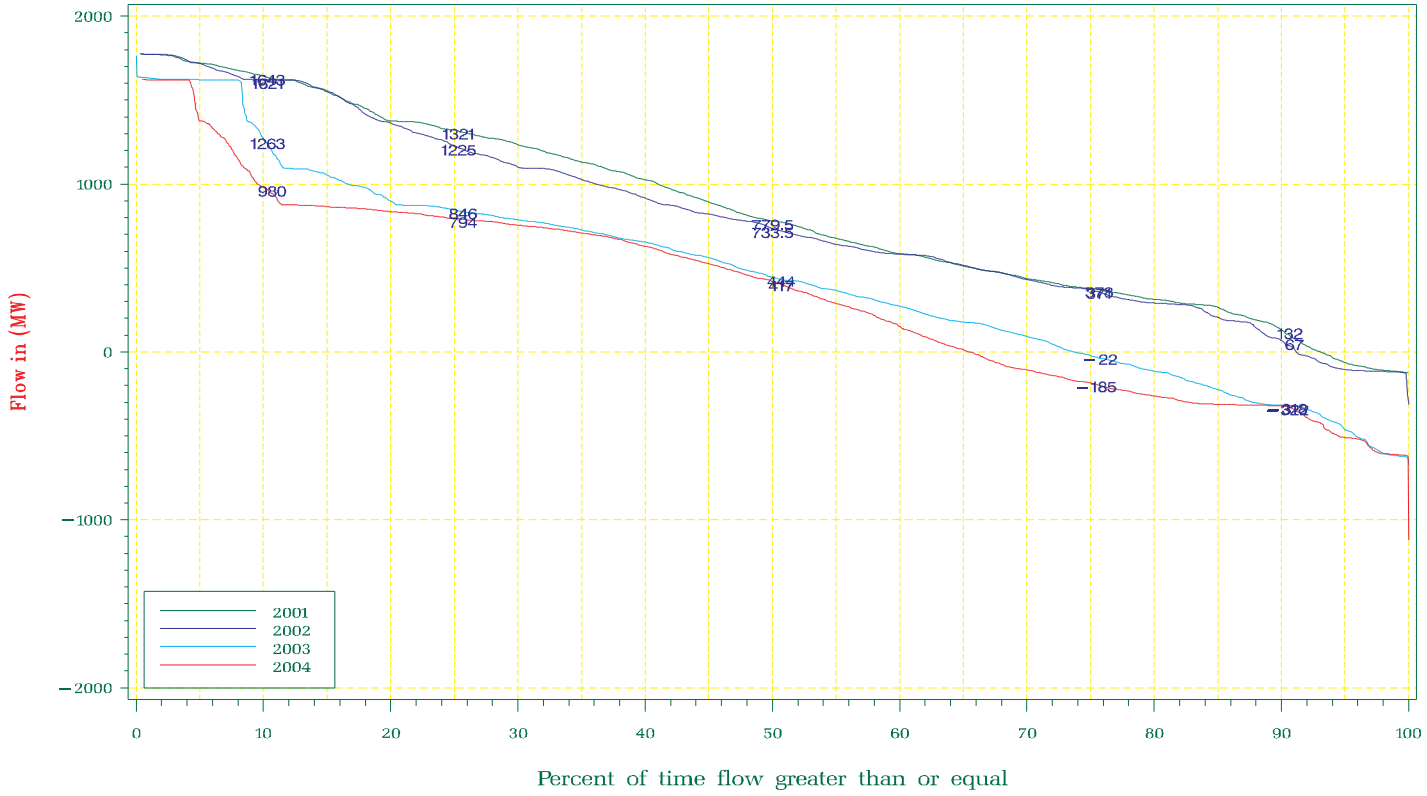
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to TE–NY Limit



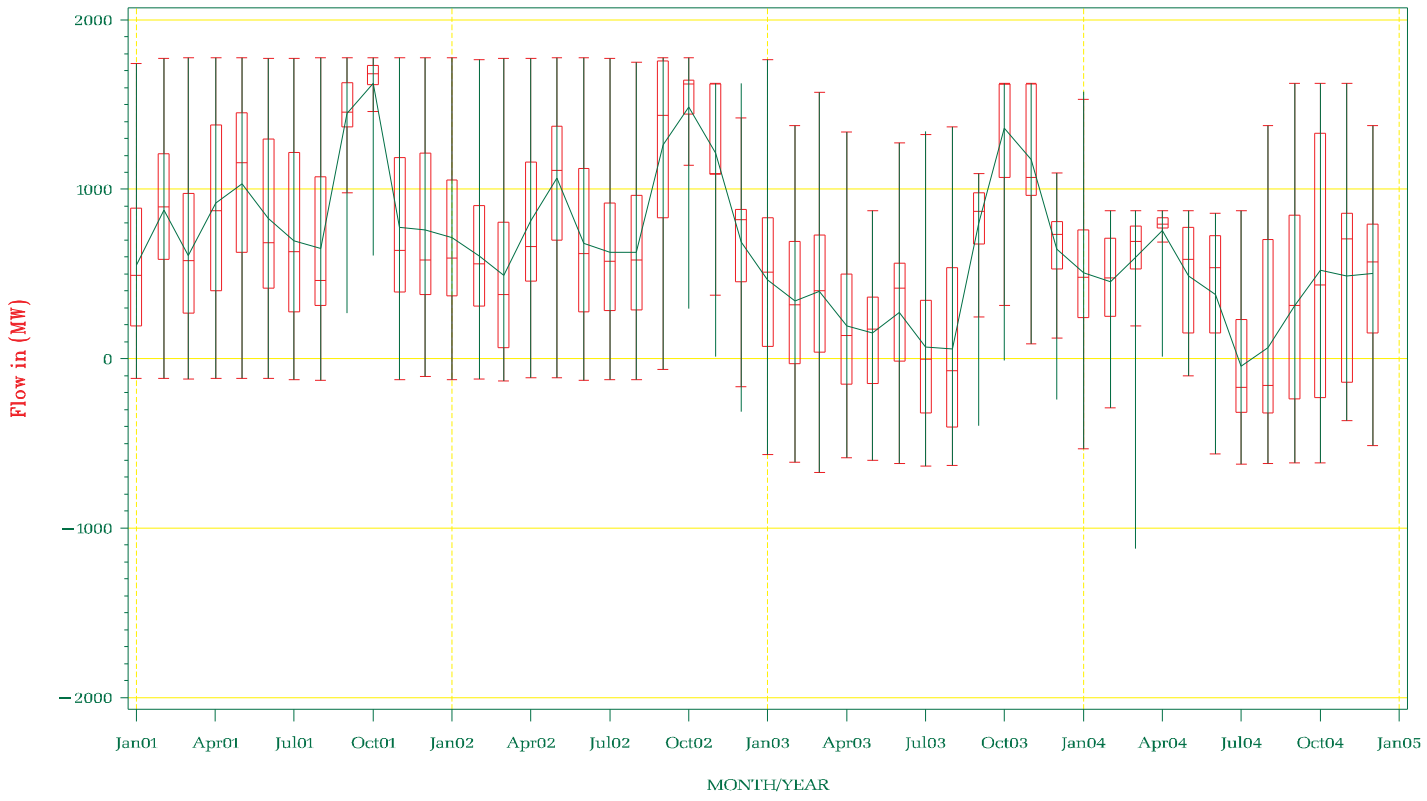
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to TE–NY Limit



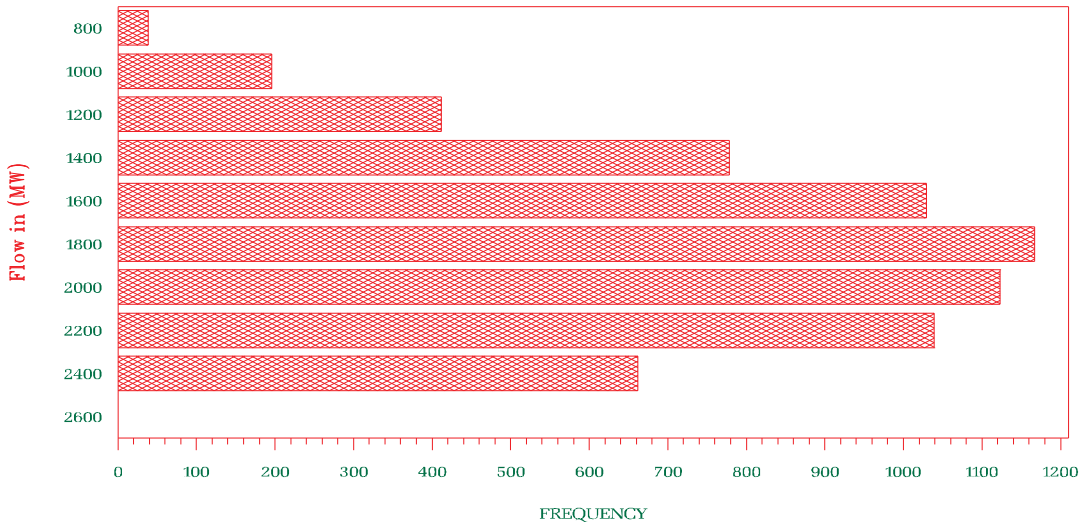
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to TE–NY Limit



NYISO Frequency Interface Flow For January – December 2004

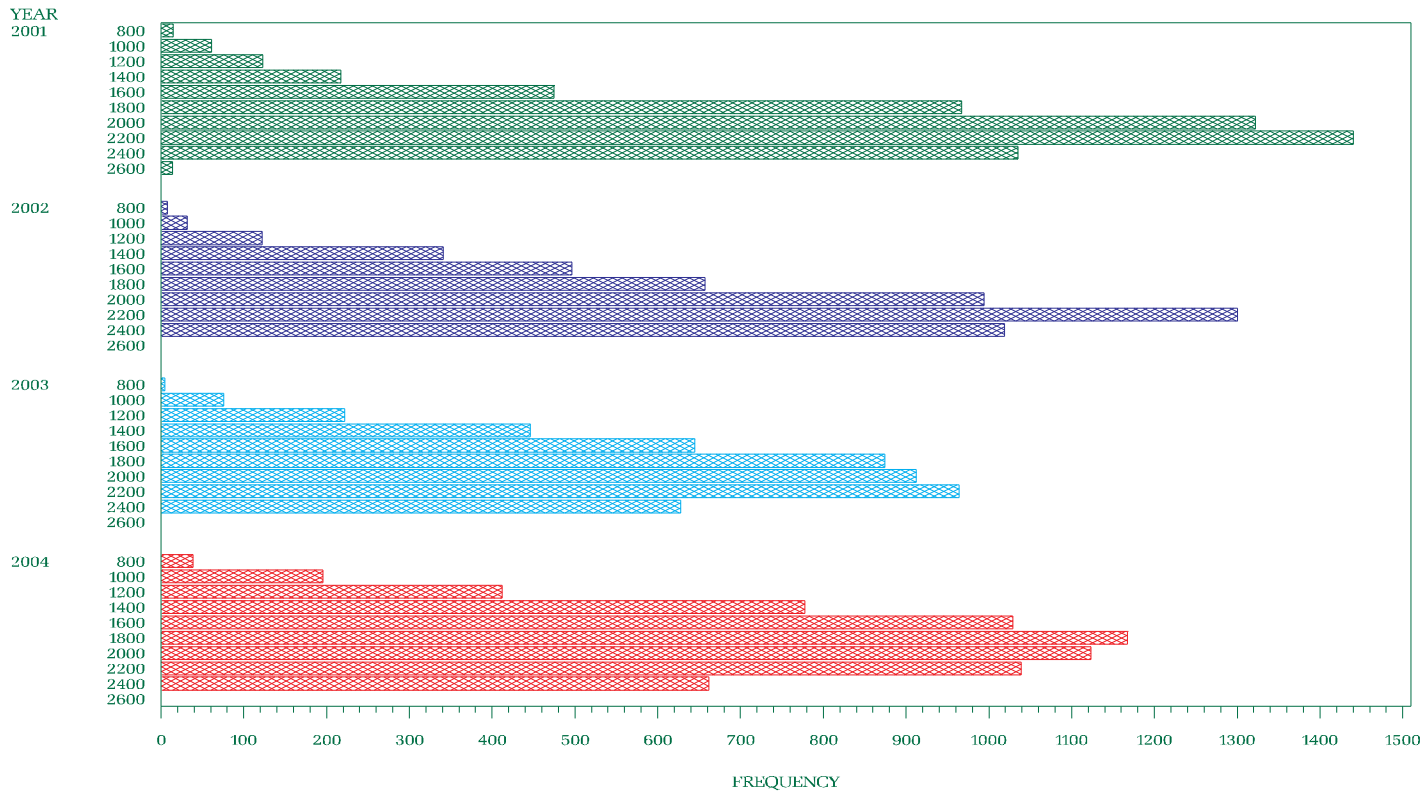
Margin to ONTARIO – NY Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
800	39	39	0.61	0.61
1000	196	235	3.04	3.65
1200	412	647	6.39	10.04
1400	778	1425	12.07	22.11
1600	1029	2454	15.97	38.08
1800	1167	3621	18.11	56.18
2000	1123	4744	17.42	73.61
2200	1039	5783	16.12	89.73
2400	662	6445	10.27	100.00
2600	0	6445	0.00	100.00

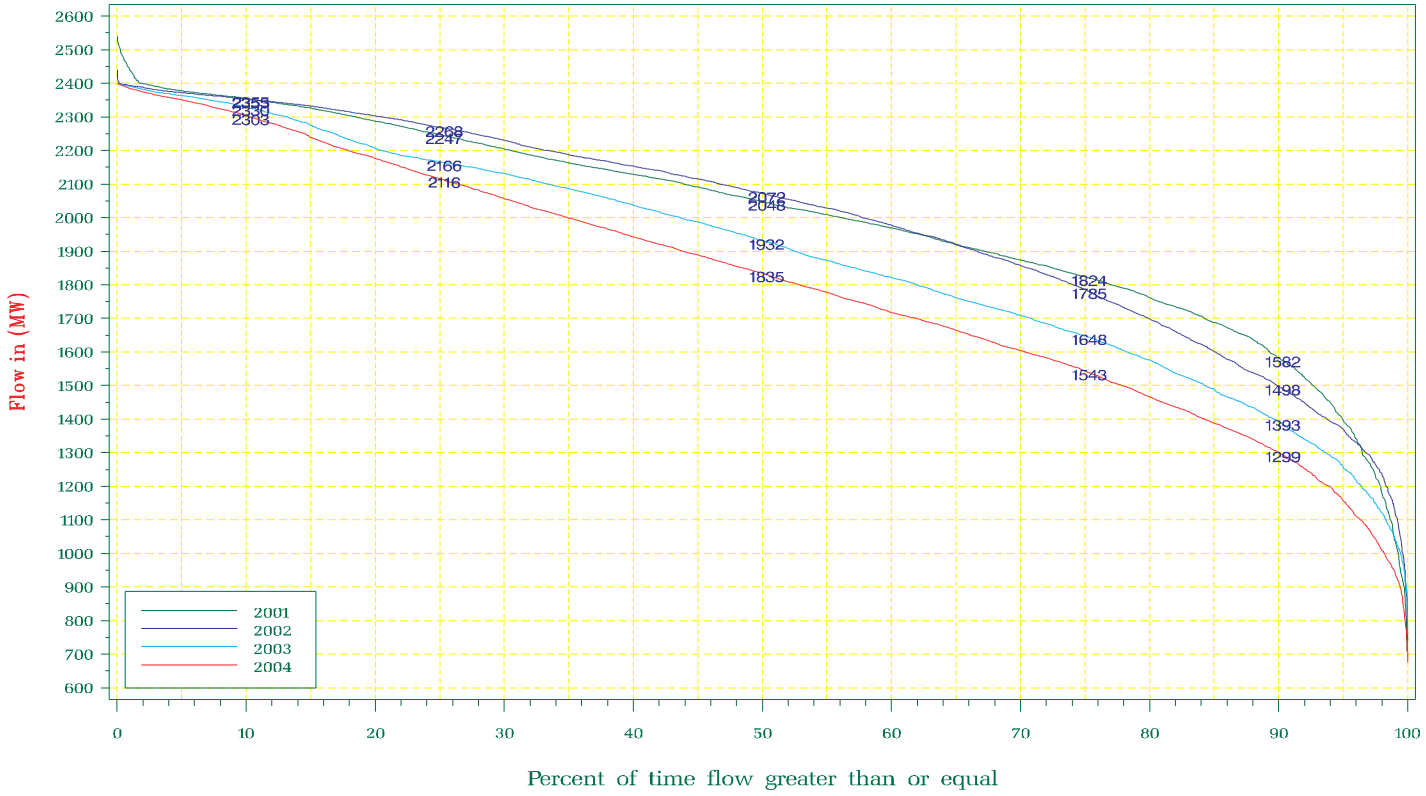
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to Ontario – NY Limit



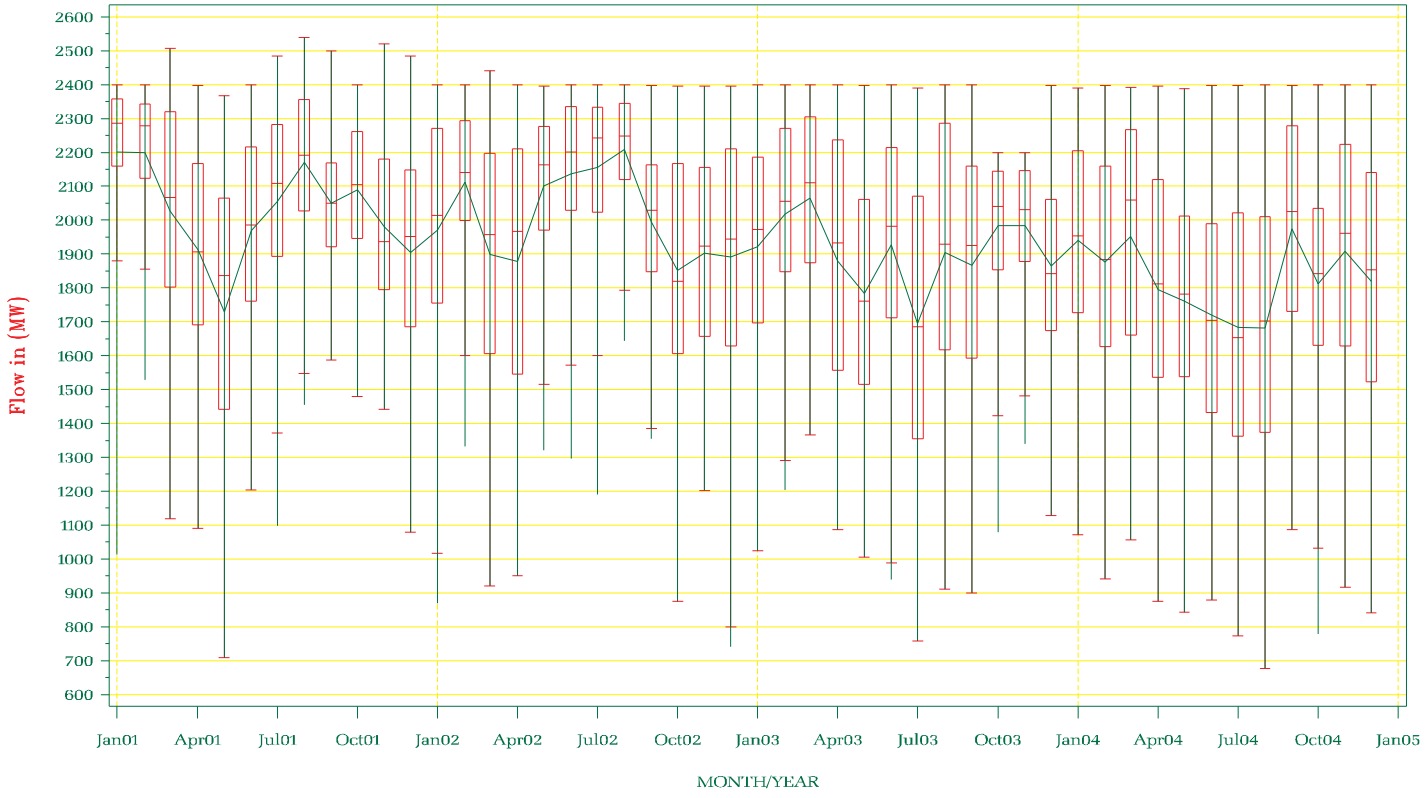
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to Ontario – NY Limit



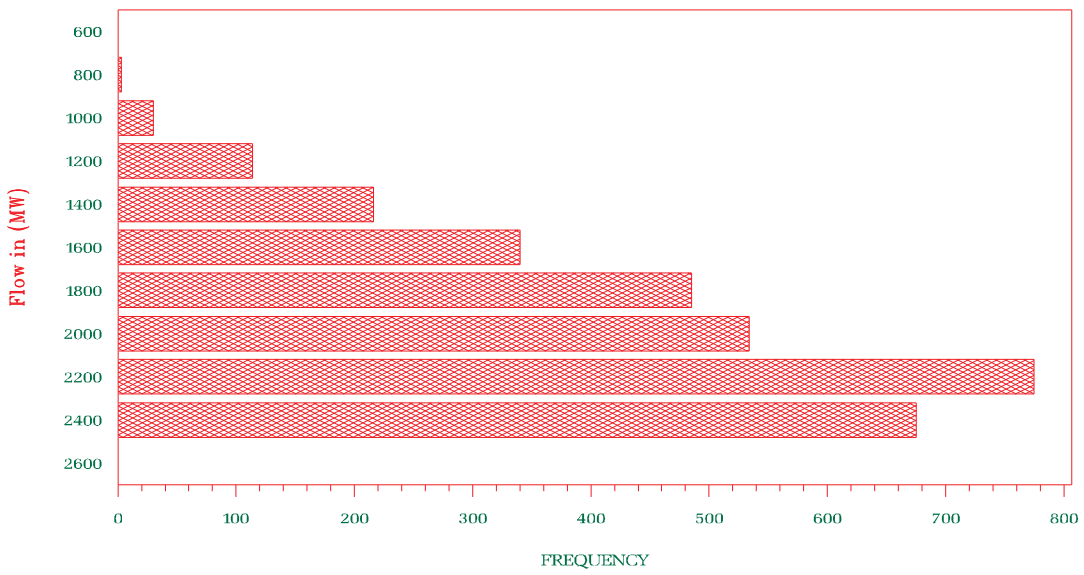
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to Ontario – NY Limit



NYISO Frequency Interface Flow For January – December 2004

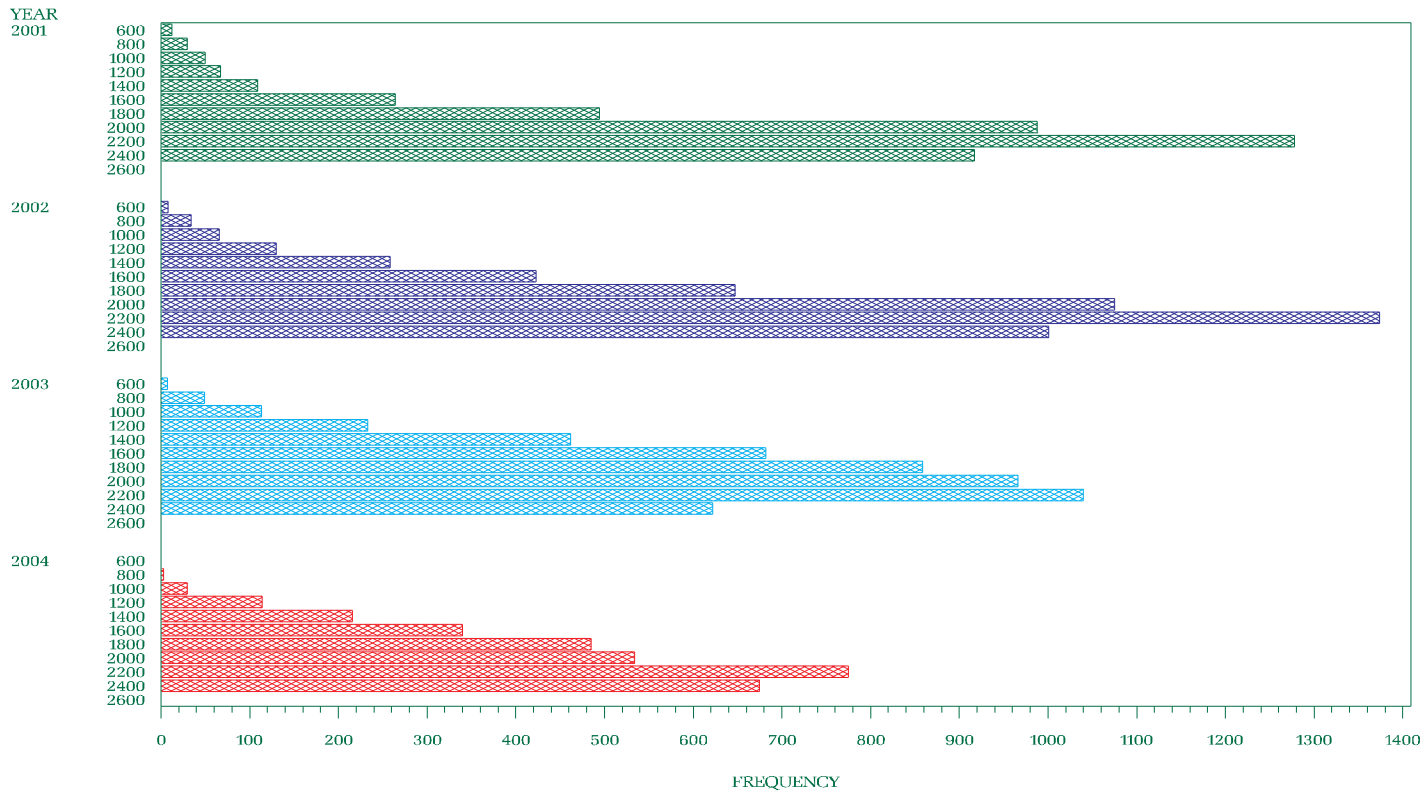
Margin to NY–ONTARIO Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
600	0	0	0.00	0.00
800	3	3	0.09	0.09
1000	30	33	0.95	1.04
1200	114	147	3.59	4.63
1400	216	363	6.81	11.44
1600	340	703	10.72	22.16
1800	485	1188	15.29	37.45
2000	534	1722	16.83	54.29
2200	775	2497	24.43	78.72
2400	675	3172	21.28	100.00
2600	0	3172	0.00	100.00

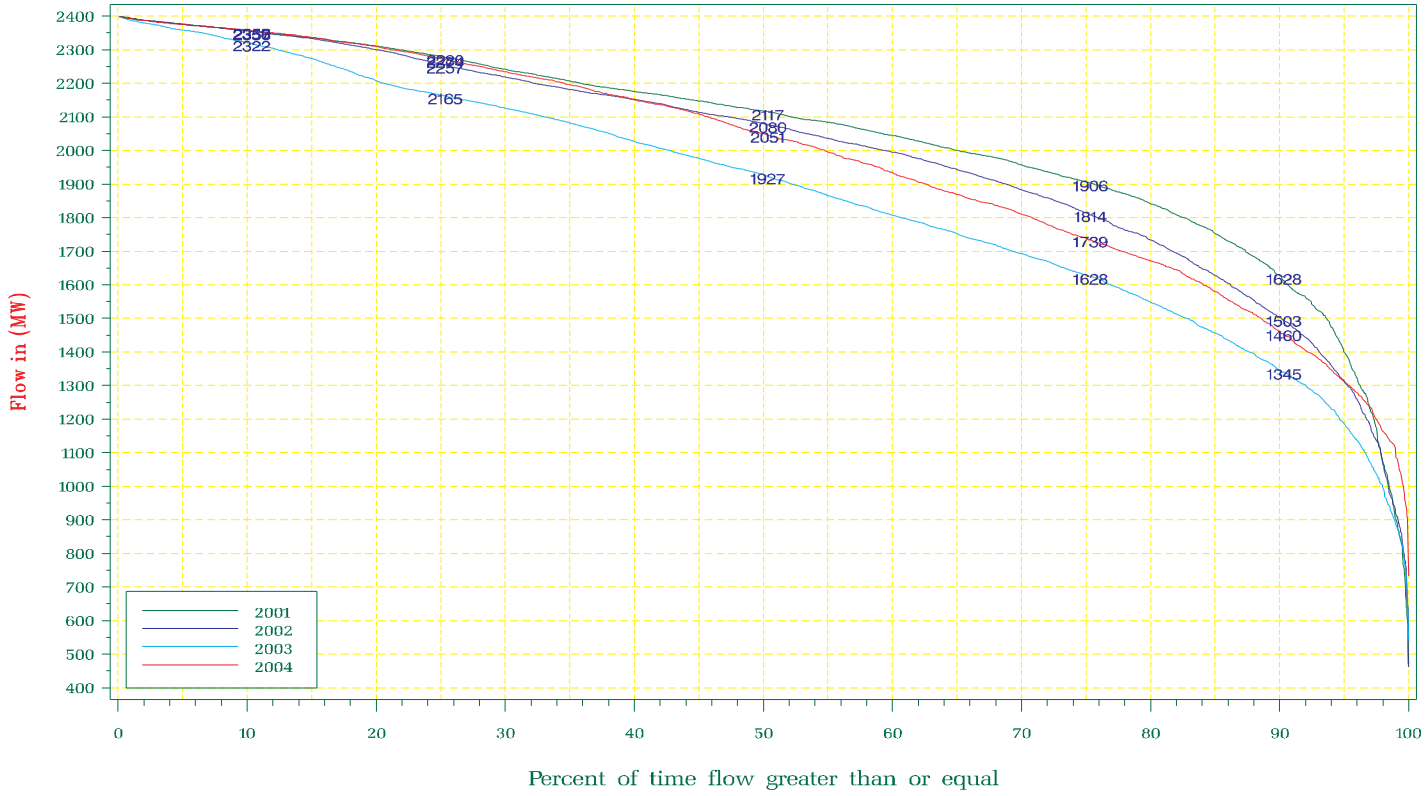
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to NY–Ontario Limit



NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to NY–Ontario Limit

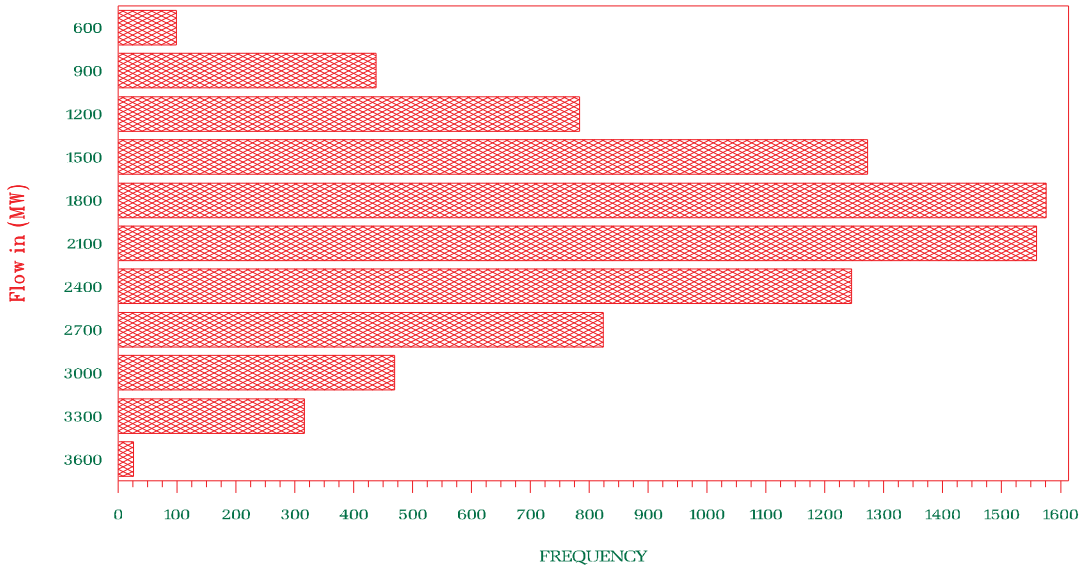


NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to NY–Ontario Limit

NYISO Frequency Interface Flow For January – December 2004

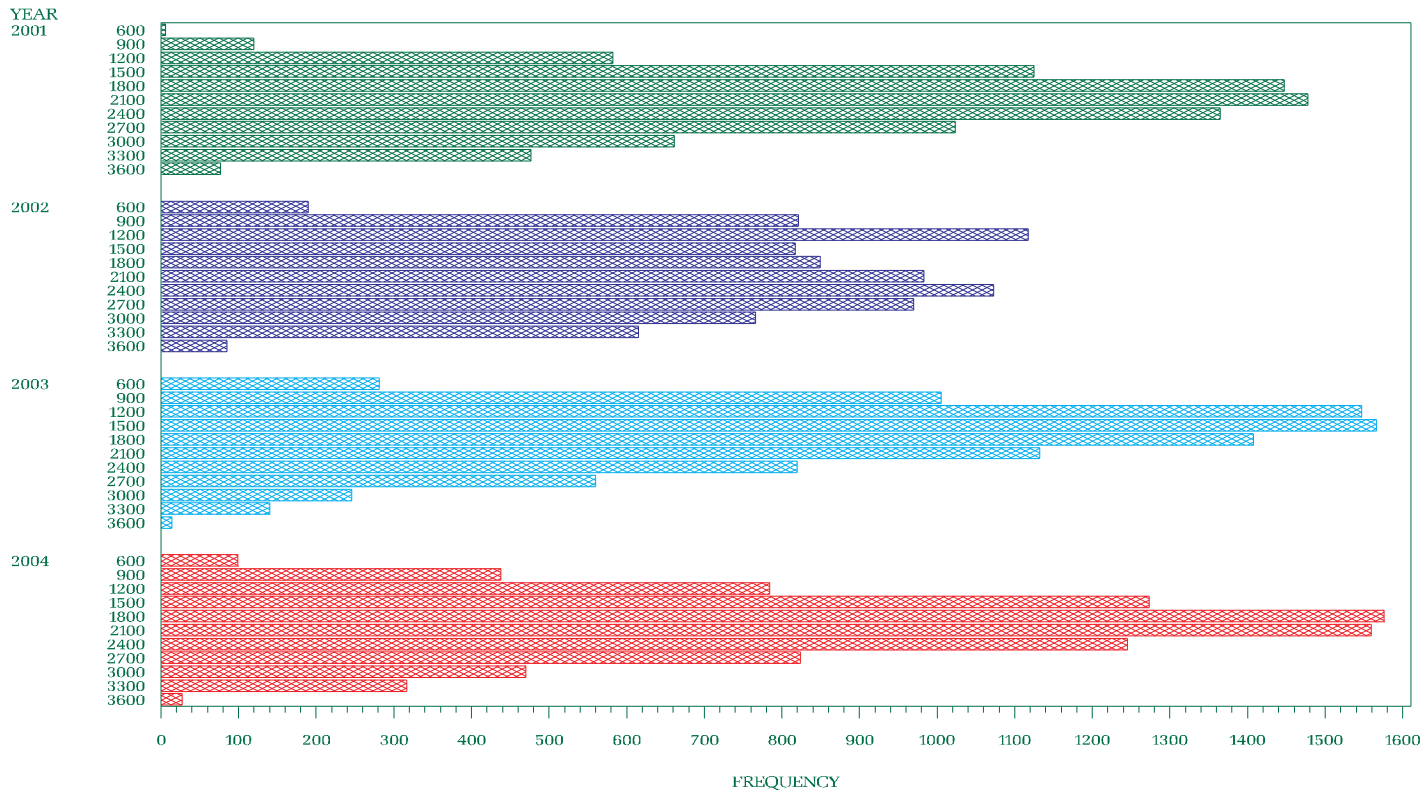
Margin to PJM – NY Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
600	99	99	1.15	1.15
900	438	537	5.09	6.24
1200	784	1321	9.10	15.34
1500	1273	2594	14.78	30.12
1800	1576	4170	18.30	48.42
2100	1559	5729	18.10	66.52
2400	1245	6974	14.46	80.98
2700	824	7798	9.57	90.55
3000	470	8268	5.46	96.01
3300	317	8585	3.68	99.69
3600	27	8612	0.31	100.00

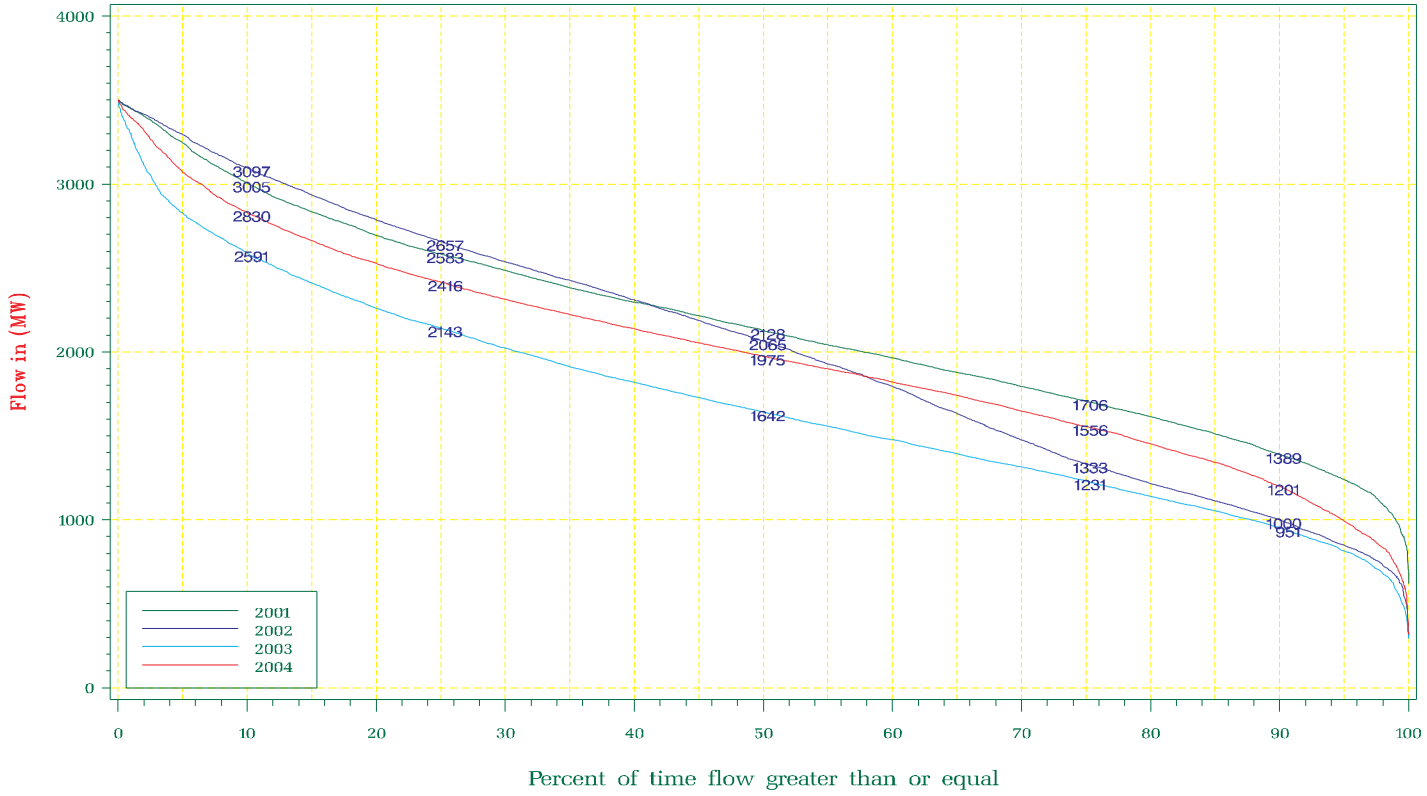
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to PJM – NY Limit



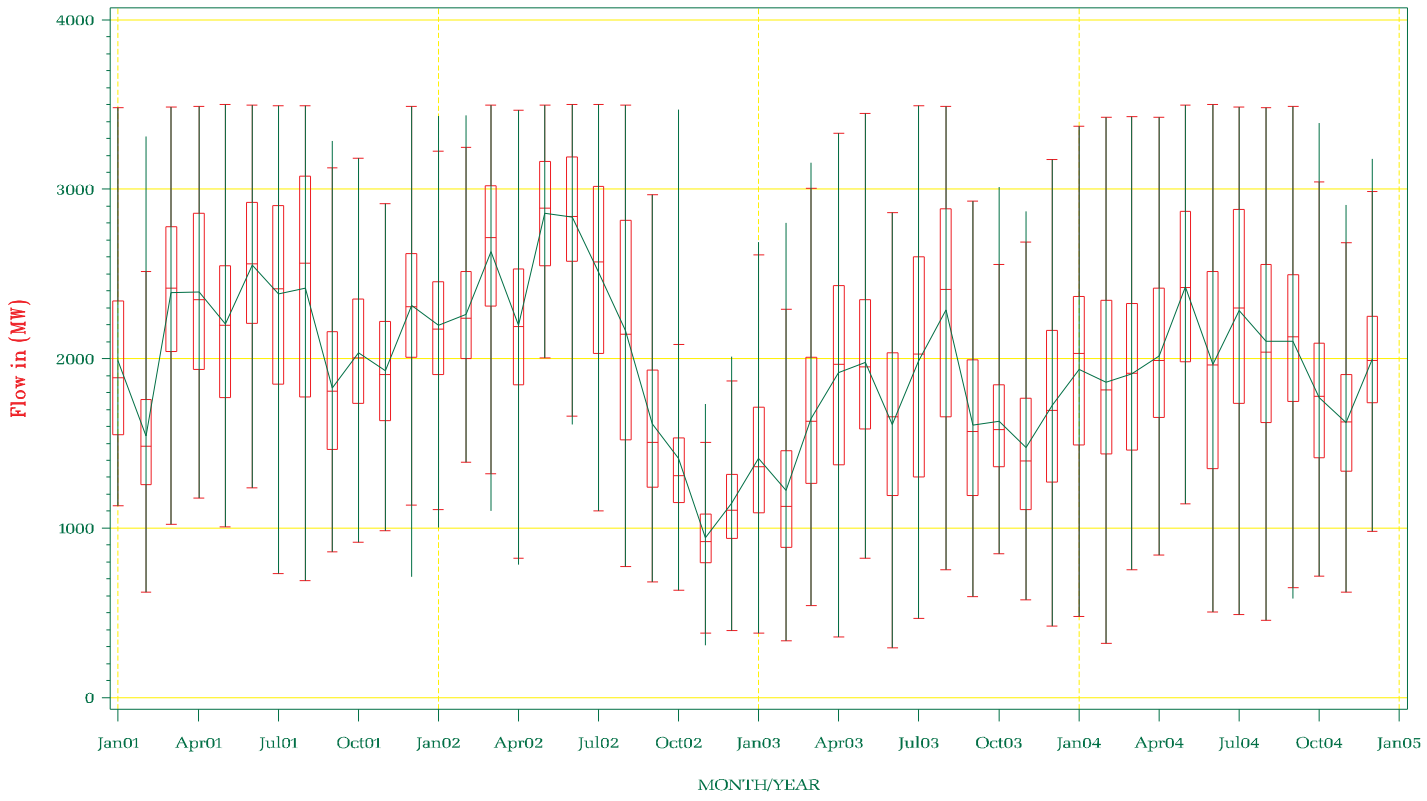
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to PJM–NY Limit



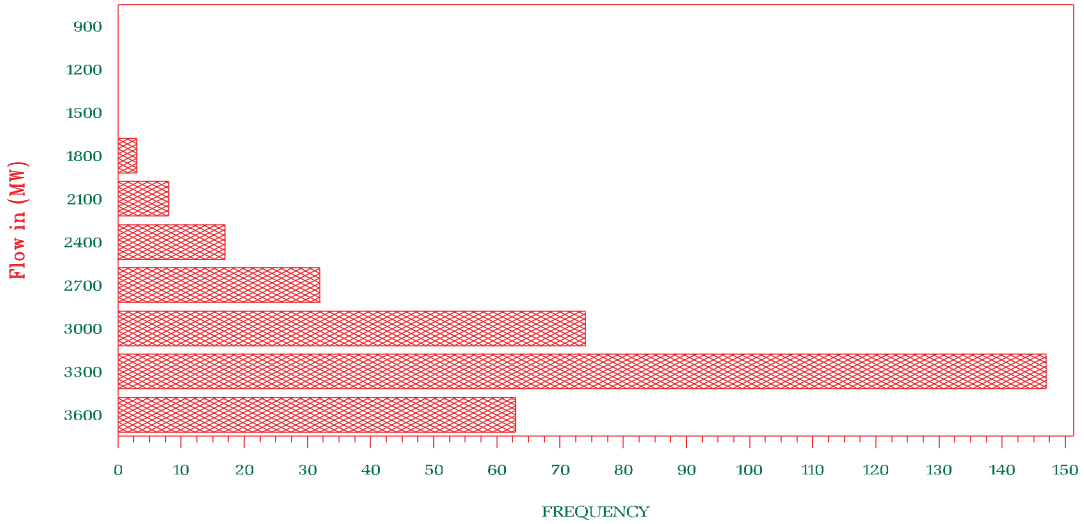
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to PJM–NY Limit



NYISO Frequency Interface Flow For January – December 2004

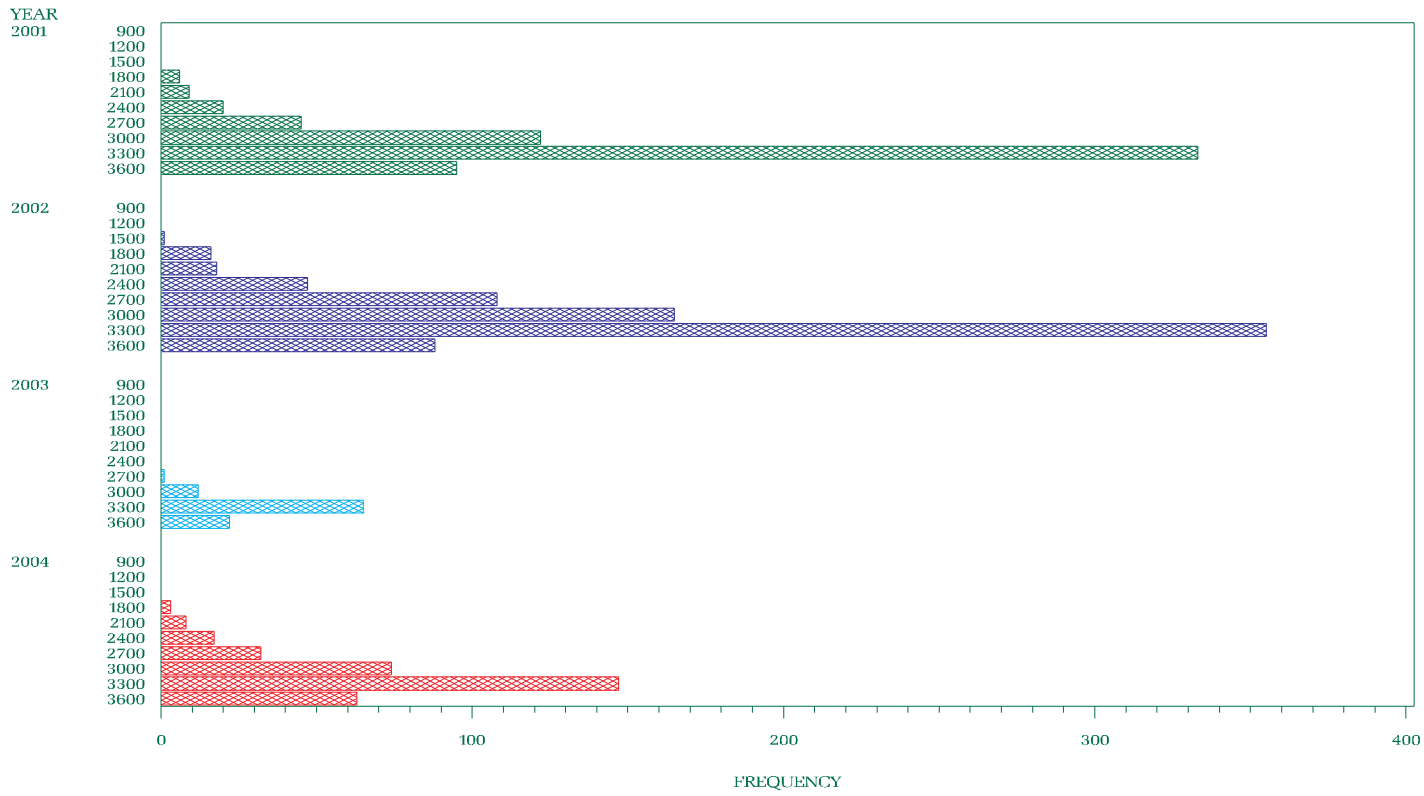
Margin to NY – PJM Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
900	0	0	0.00	0.00
1200	0	0	0.00	0.00
1500	0	0	0.00	0.00
1800	3	3	0.87	0.87
2100	8	11	2.33	3.20
2400	17	28	4.94	8.14
2700	32	60	9.30	17.44
3000	74	134	21.51	38.95
3300	147	281	42.73	81.69
3600	63	344	18.31	100.00

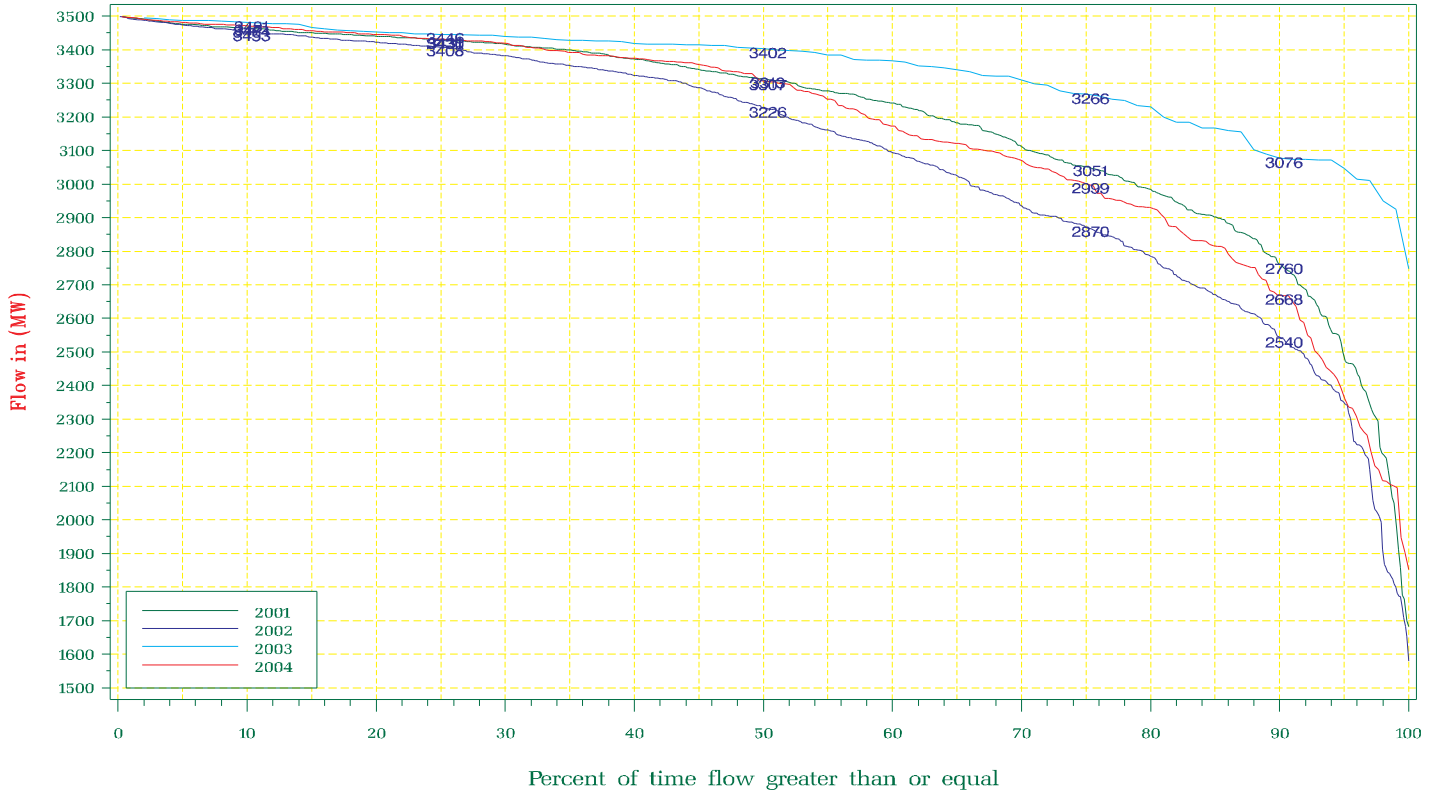
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to NY – PJM Limit



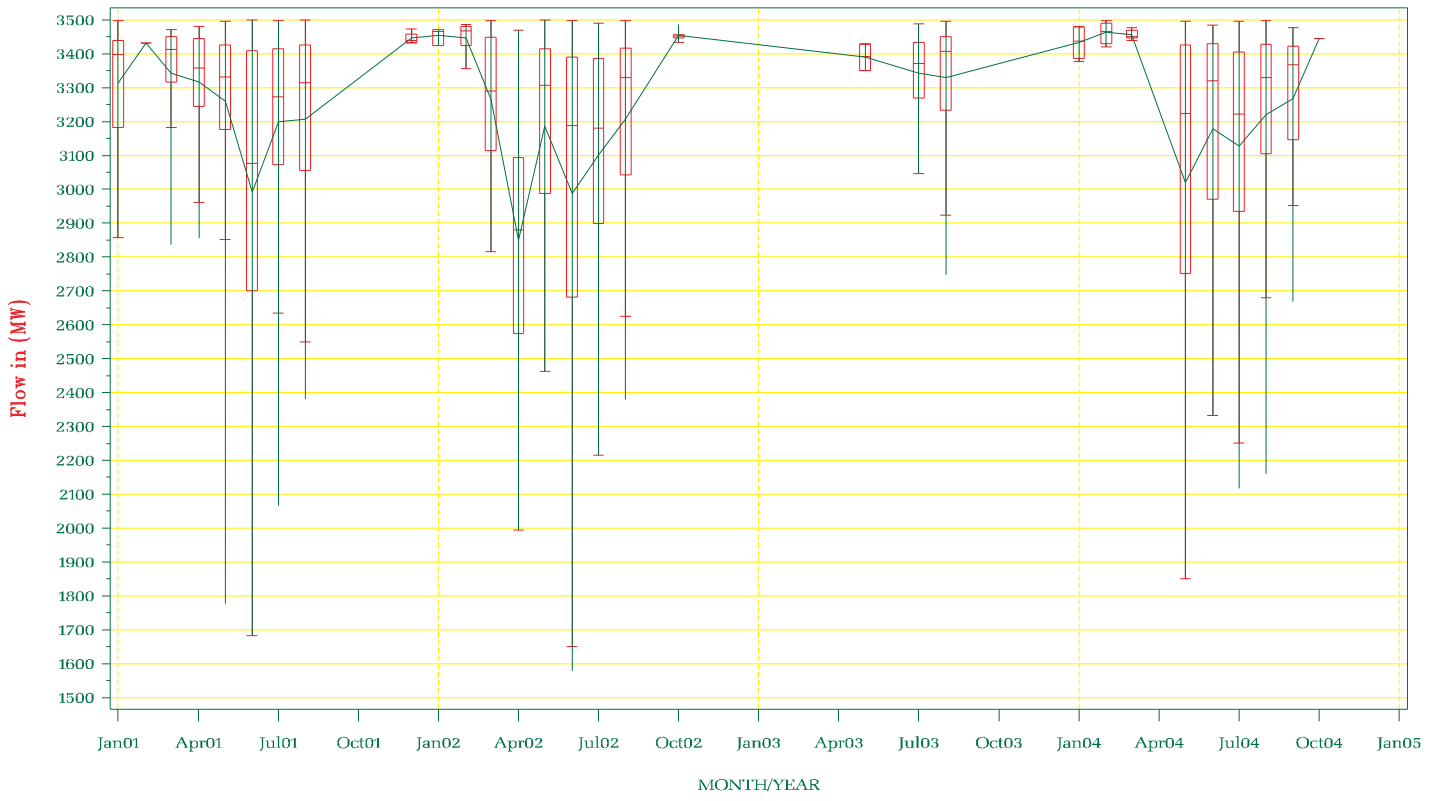
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to NY–PJM Limit



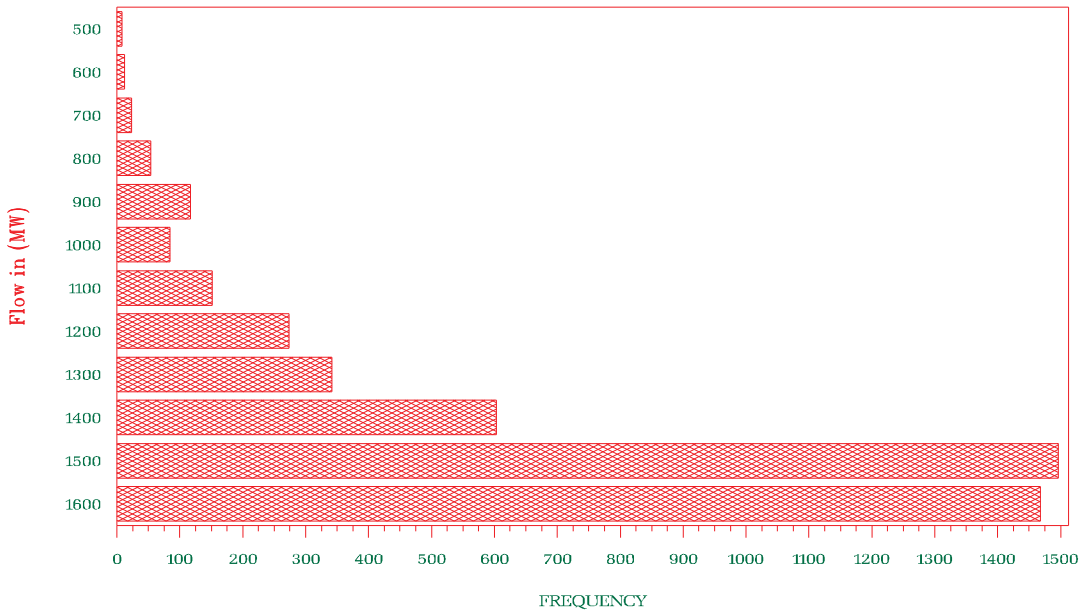
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to NY–PJM Limit



NYISO Frequency Interface Flow For January – December 2004

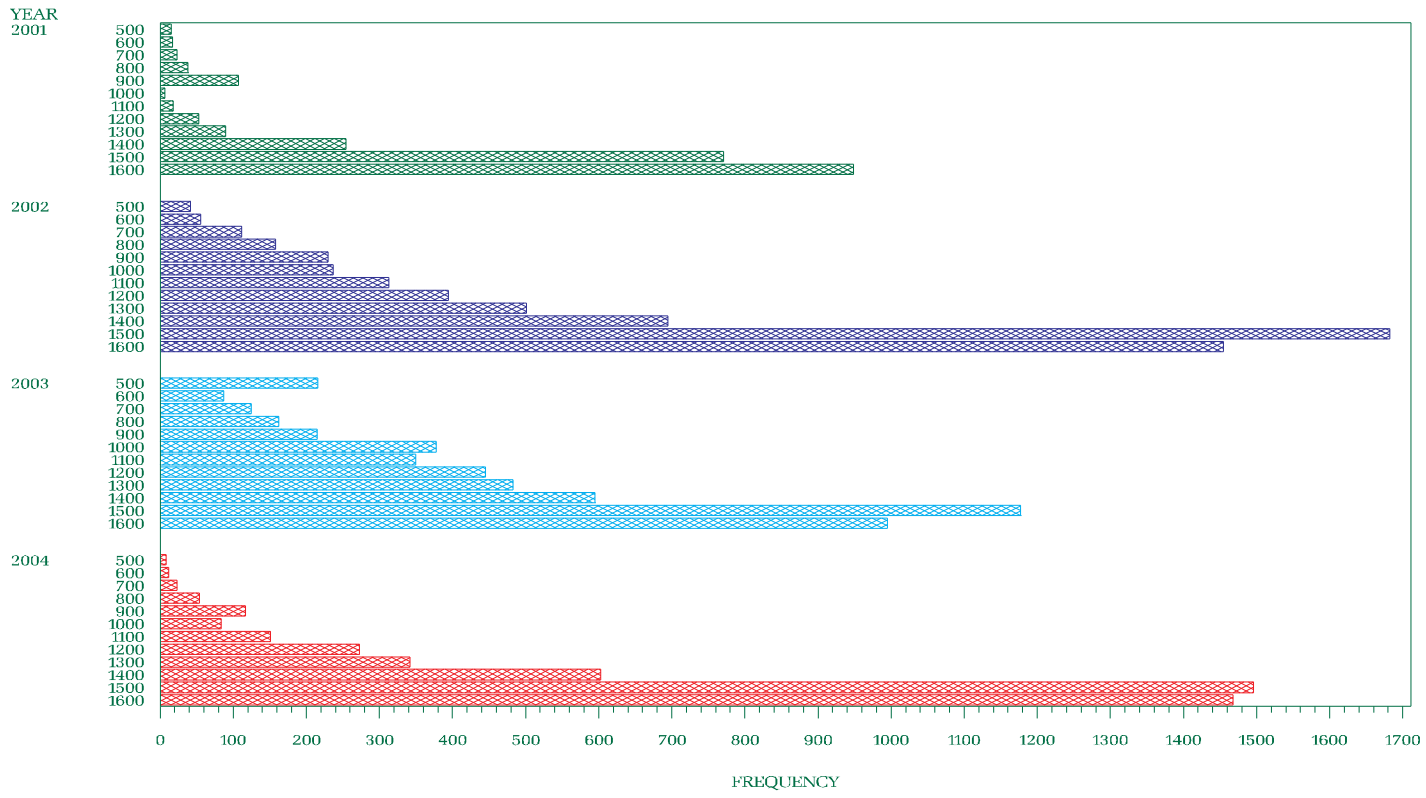
Margin to New England – NY Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
500	8	8	0.17	0.17
600	12	20	0.26	0.43
700	23	43	0.50	0.93
800	54	97	1.17	2.09
900	117	214	2.53	4.62
1000	84	298	1.81	6.43
1100	151	449	3.26	9.70
1200	273	722	5.90	15.59
1300	342	1064	7.39	22.98
1400	603	1667	13.02	36.00
1500	1496	3163	32.30	68.30
1600	1468	4631	31.70	100.00

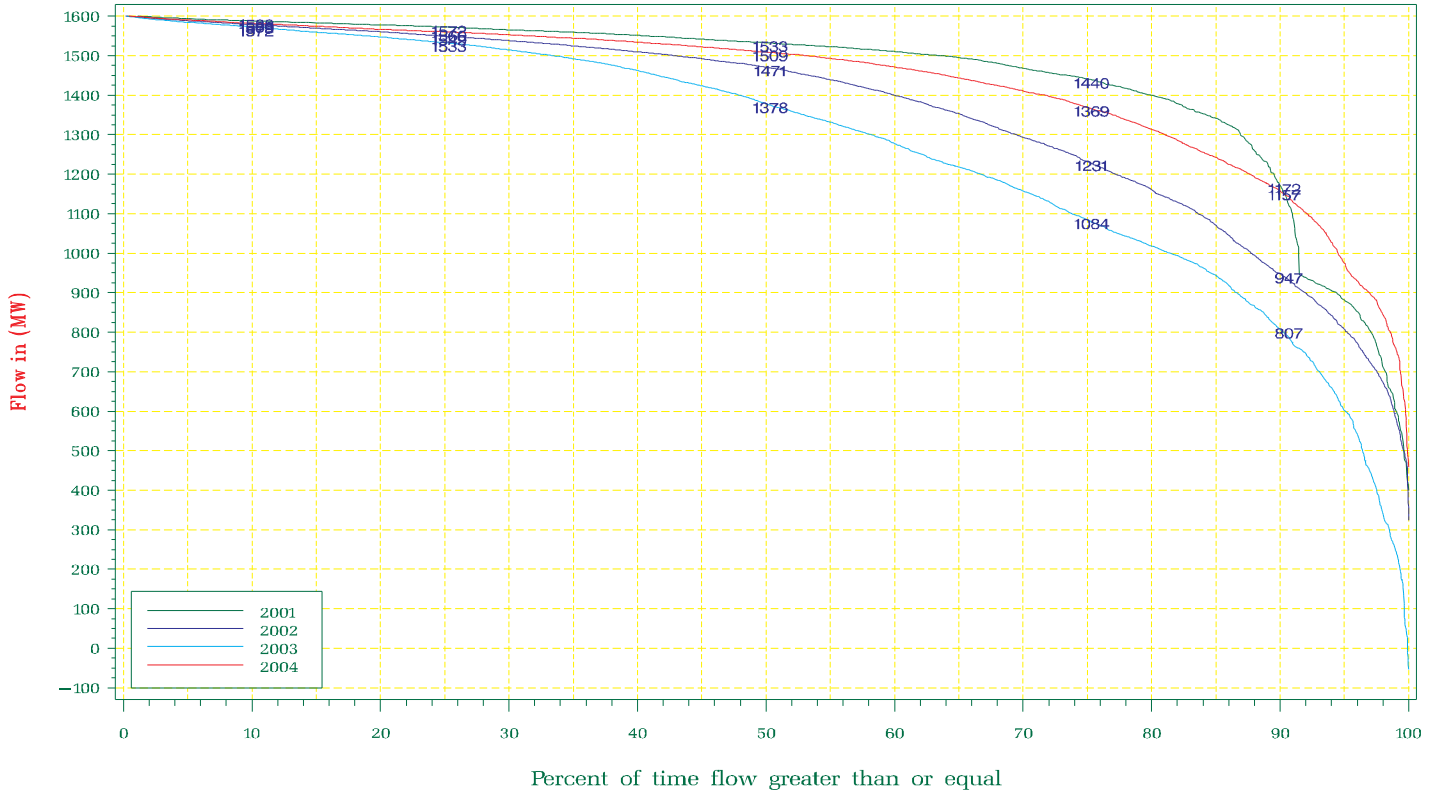
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to New England – NY Limit



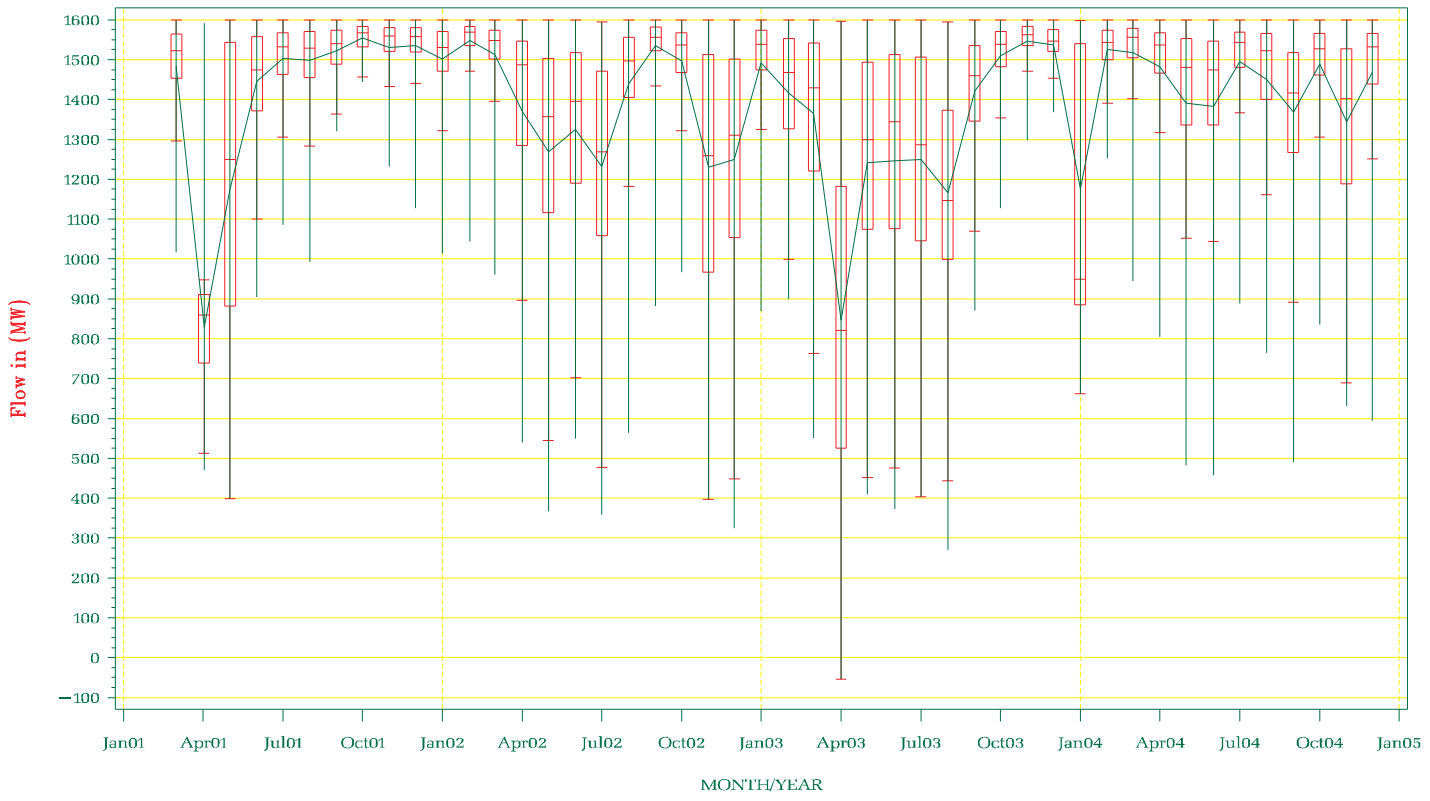
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to New England – NY Limit



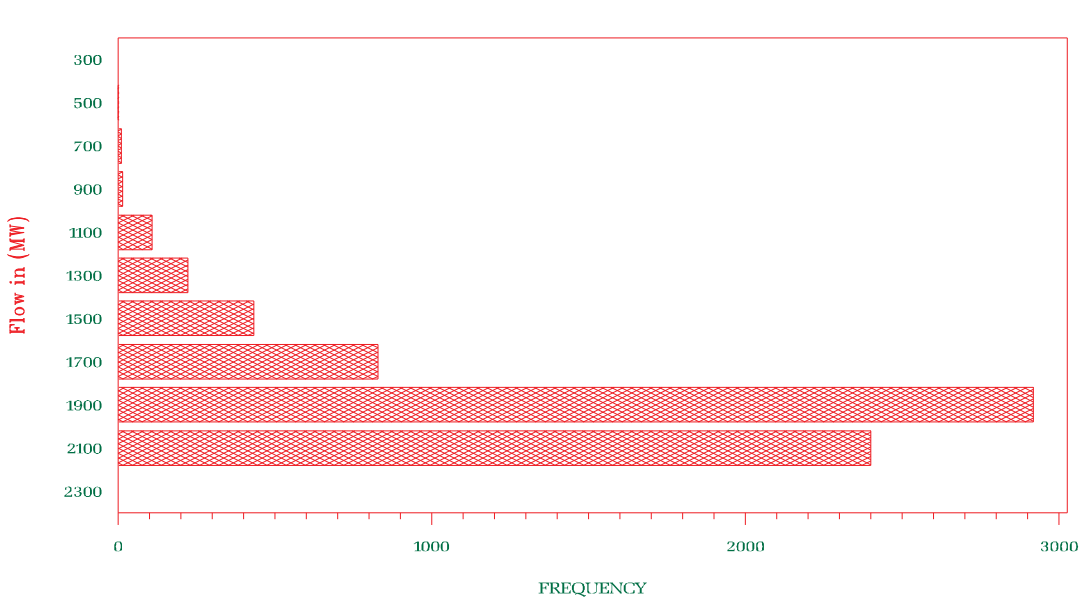
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to New England – NY Limit



NYISO Frequency Interface Flow For January – December 2004

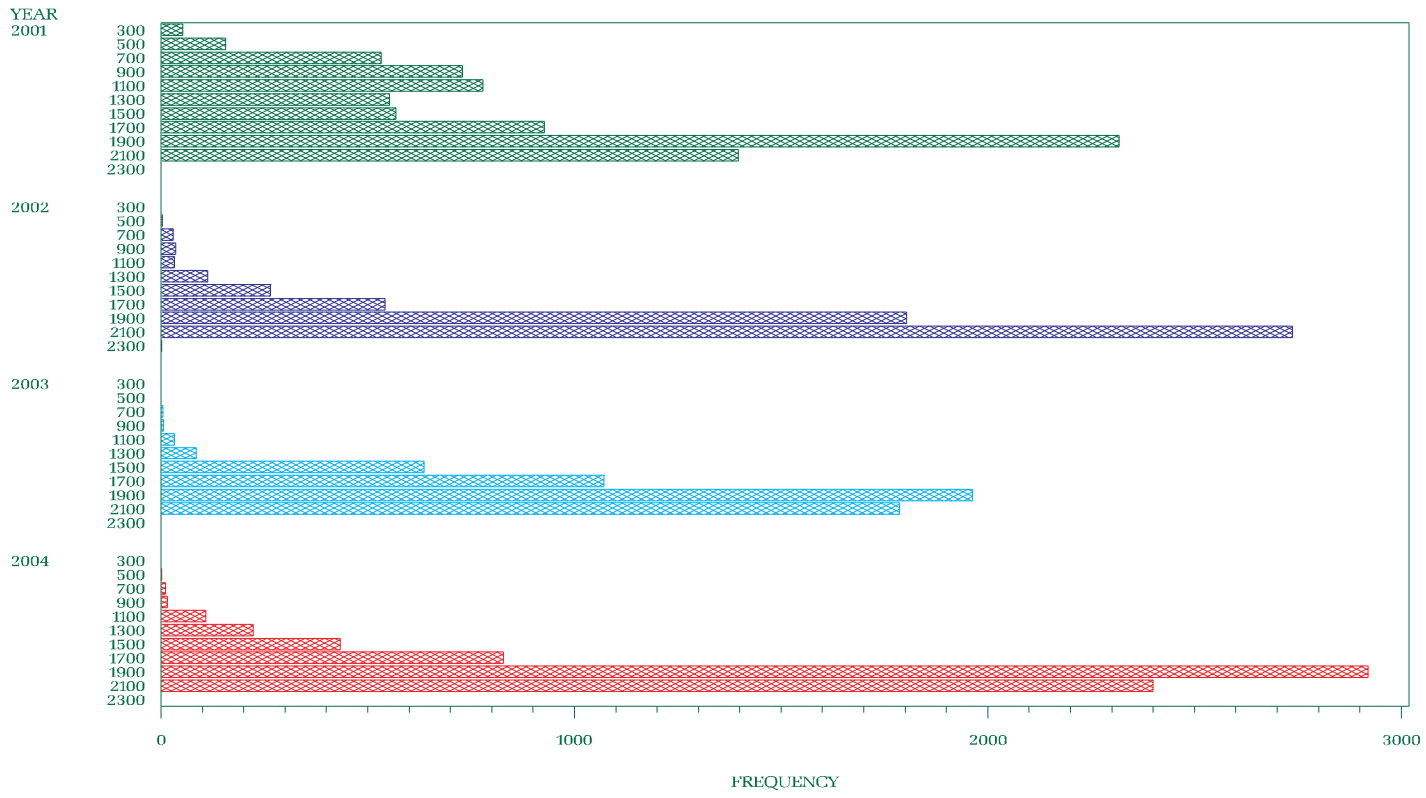
Margin to NY – New England Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
300	0	0	0.00	0.00
500	1	1	0.01	0.01
700	11	12	0.16	0.17
900	15	27	0.22	0.39
1100	109	136	1.57	1.96
1300	223	359	3.21	5.17
1500	433	792	6.24	11.41
1700	829	1621	11.95	23.36
1900	2919	4540	42.06	65.42
2100	2400	6940	34.58	100.00
2300	0	6940	0.00	100.00

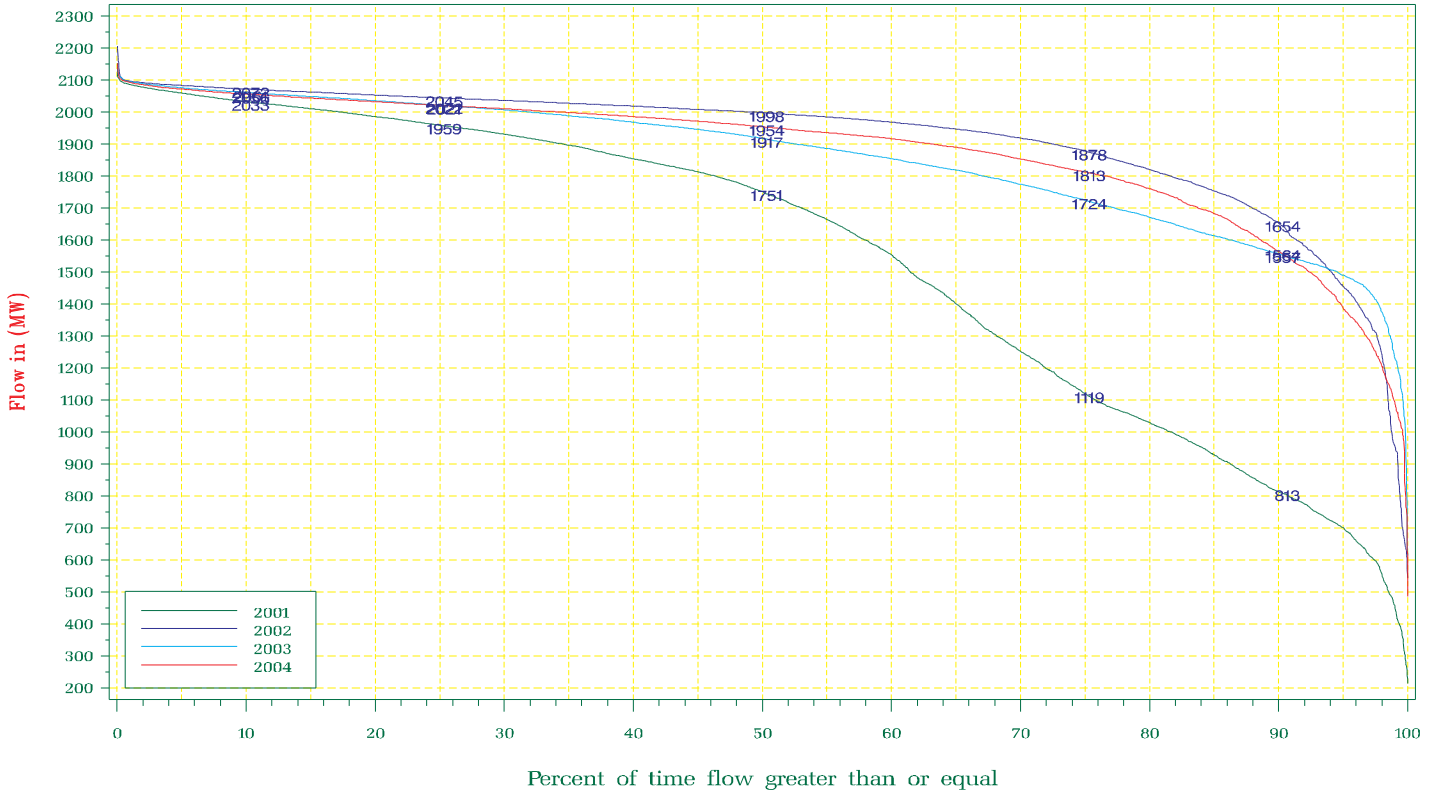
NYISO Frequency Interface Flow For January 2001 – December 2004

Margin to NY – New England Limit



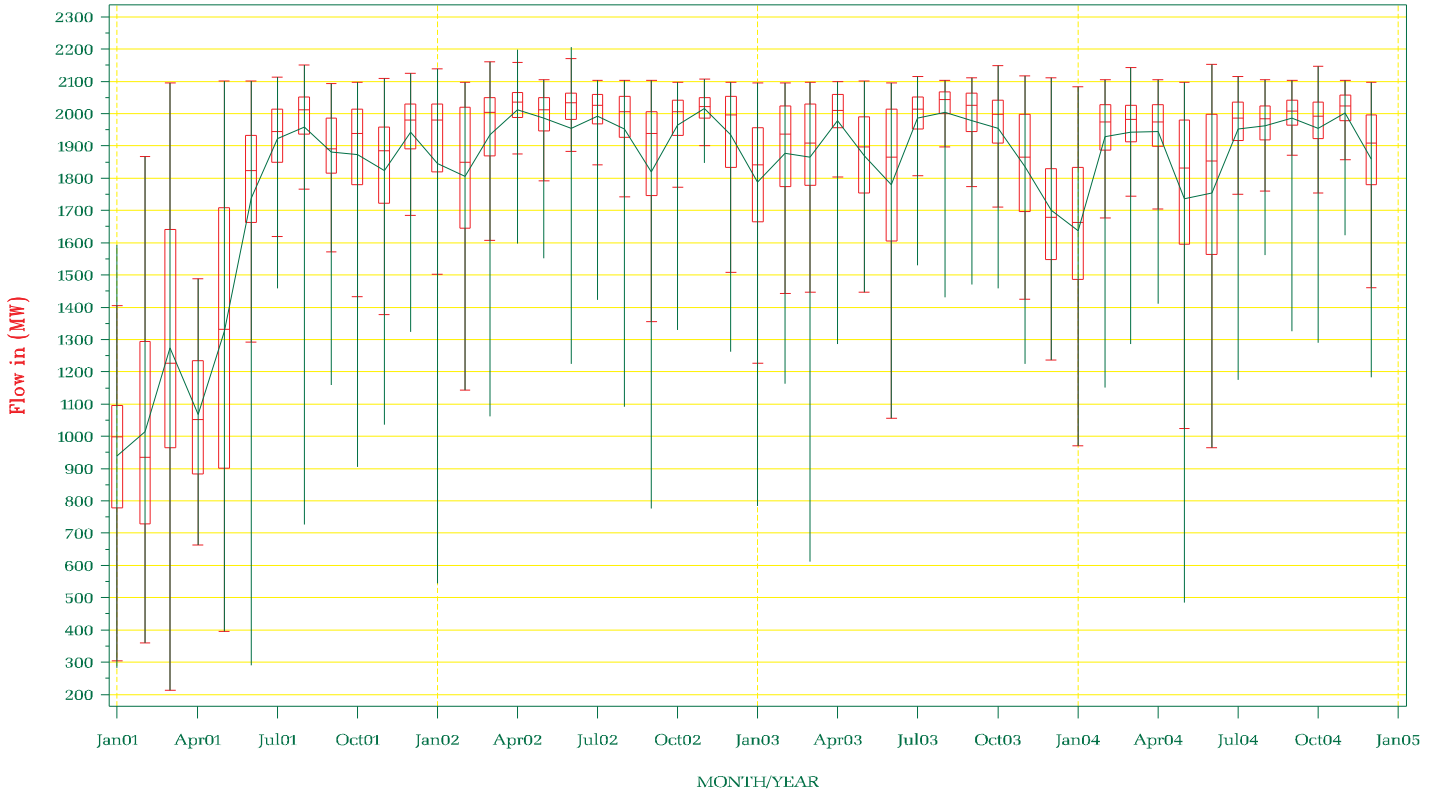
NYISO Percent of time Interface Flow For January 2001 – December 2004

Margin to NY–New England Limit



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Margin to NY–New England Limit



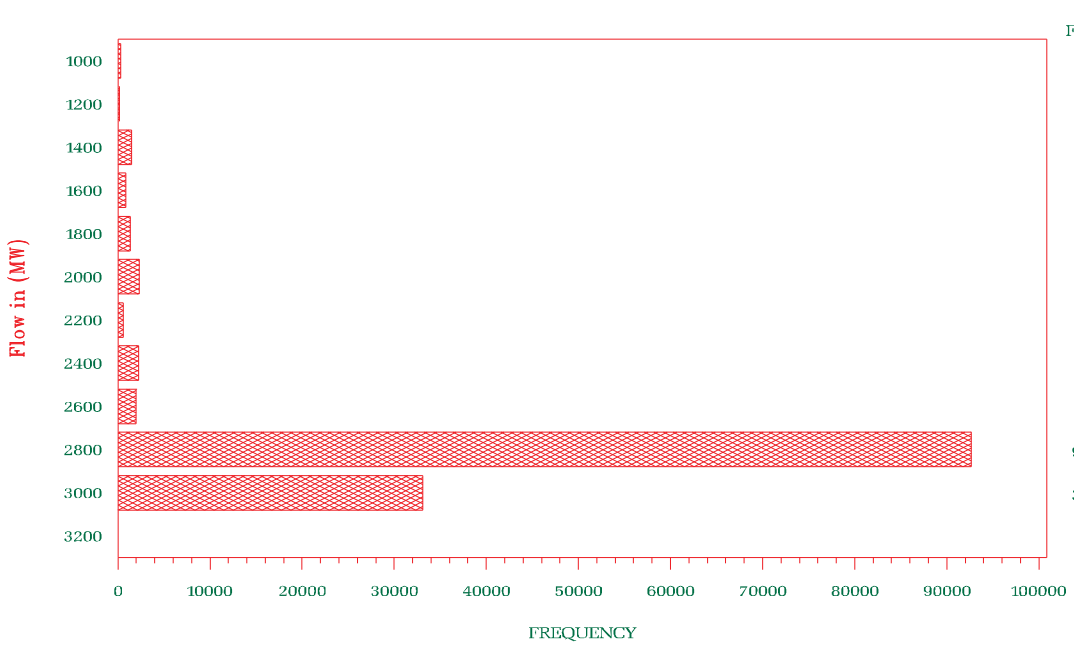
Appendix C – Interface Limits

TABLE OF CONTENTS

Prepared by: Tu Minh Thi Nguyen

NYISO Frequency Interface Flow For January – December 2004

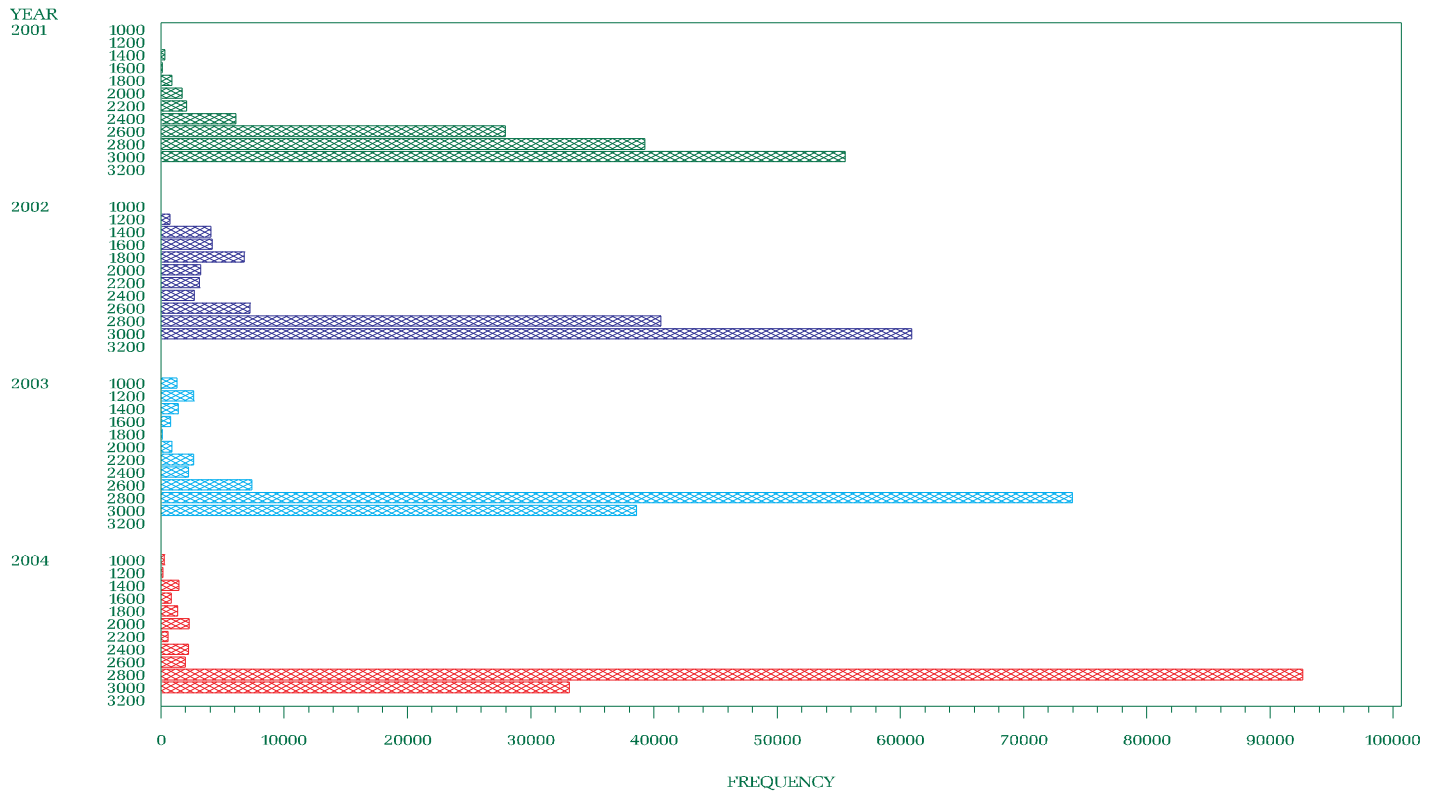
Central East Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	276	276	0.20	0.20
1200	166	442	0.12	0.32
1400	1473	1915	1.08	1.40
1600	843	2758	0.62	2.01
1800	1359	4117	0.99	3.01
2000	2286	6403	1.67	4.67
2200	562	6965	0.41	5.08
2400	2254	9219	1.65	6.73
2600	1976	11195	1.44	8.17
2800	92651	103846	67.64	75.81
3000	33133	136979	24.19	100.00
3200	0	136979	0.00	100.00

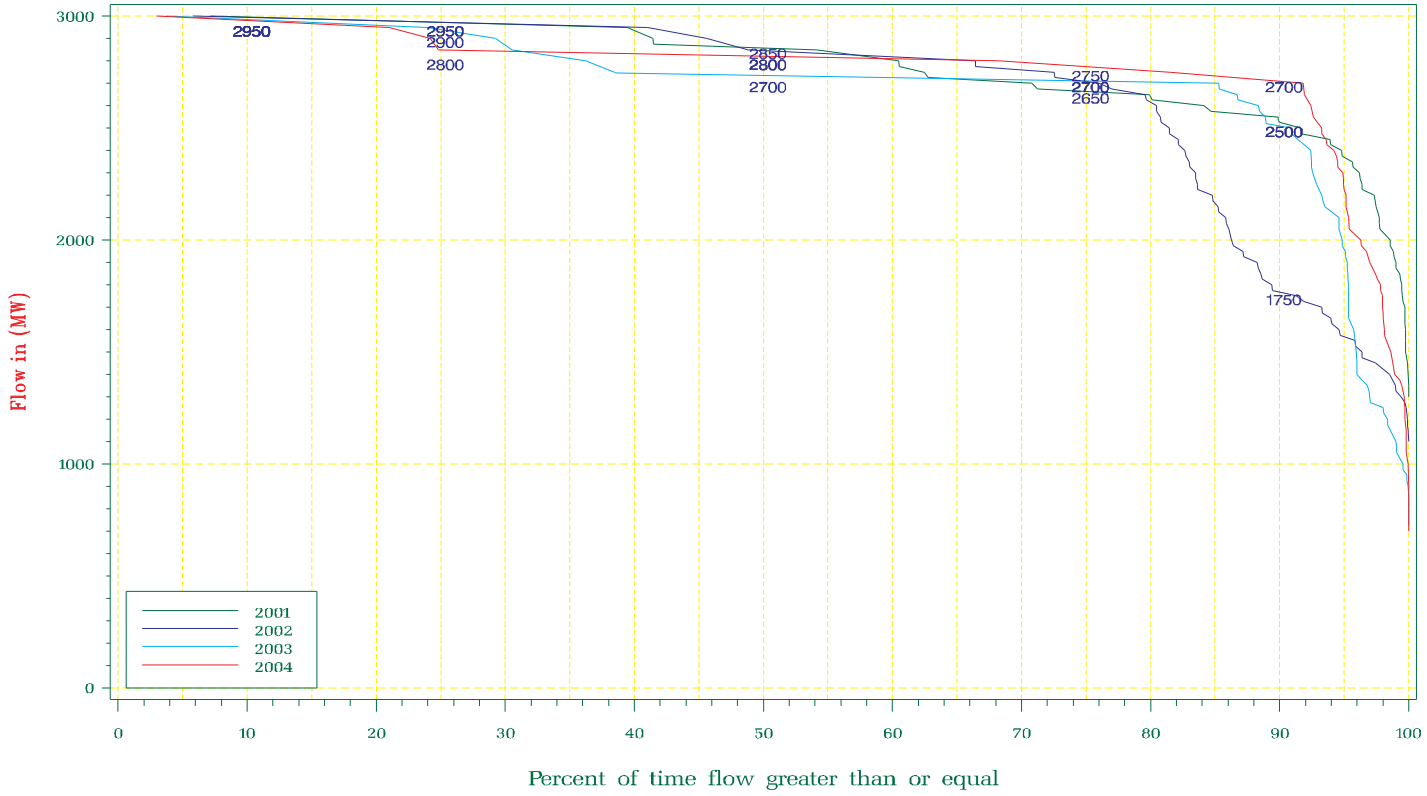
NYISO Frequency Interface Flow For January 2001 – December 2004

Central East Limit



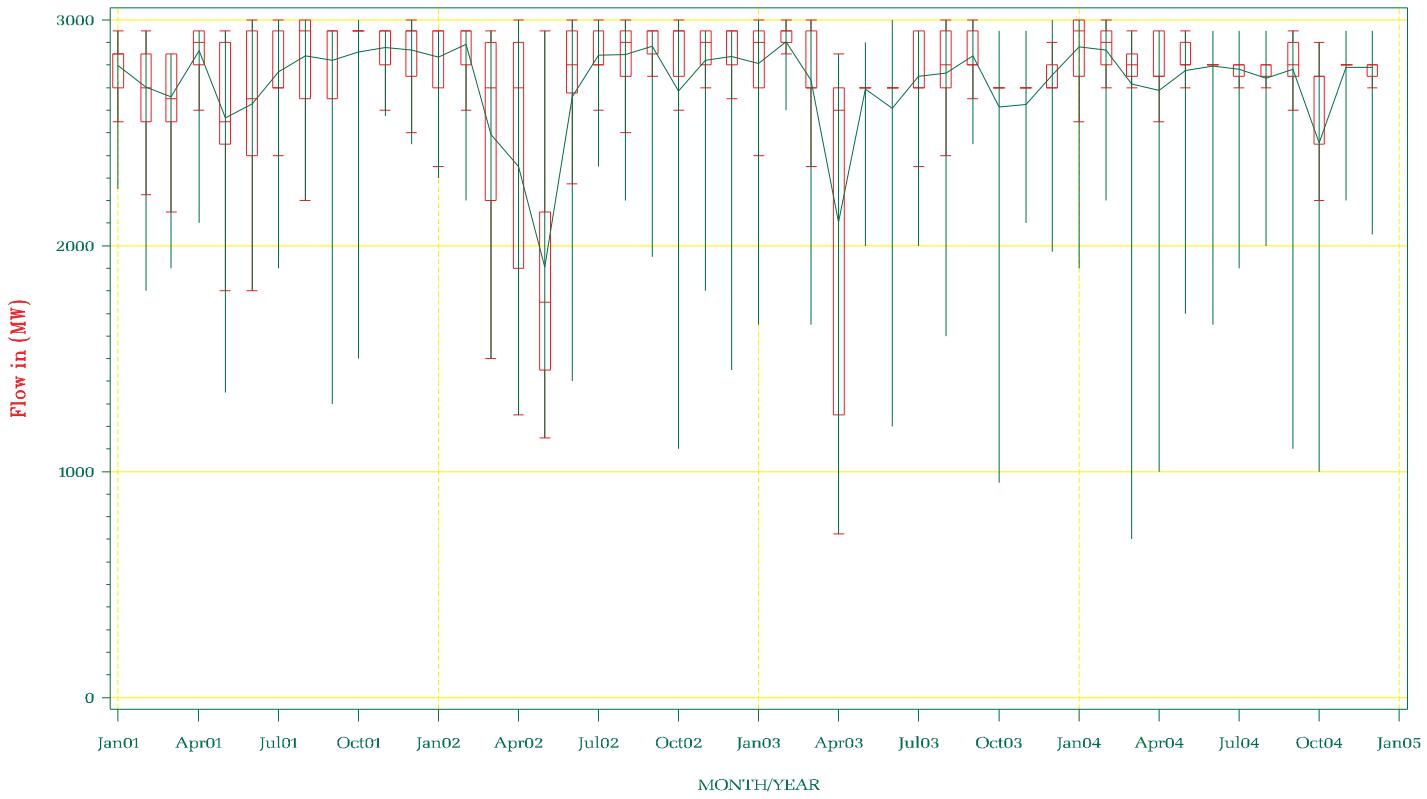
NYISO Percent of time Interface Flow For January 2001 – December 2004

Central East Limit



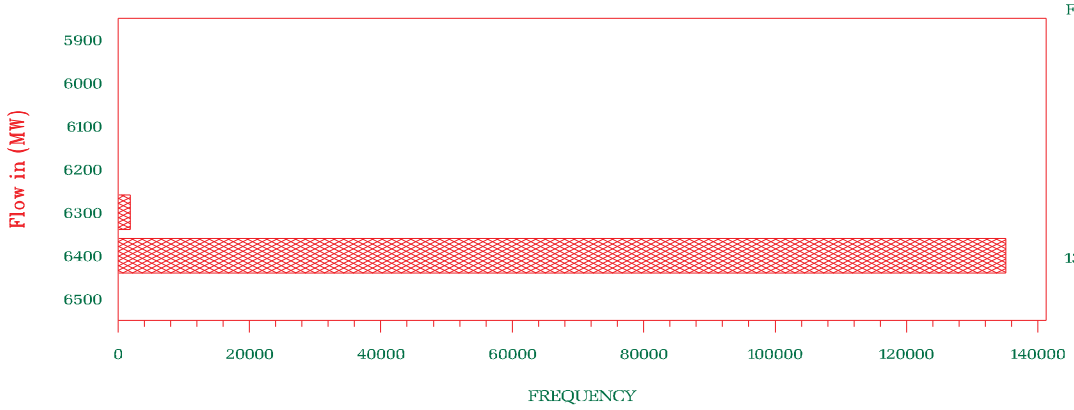
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Central East Limit



NYISO Frequency Interface Flow For January – December 2004

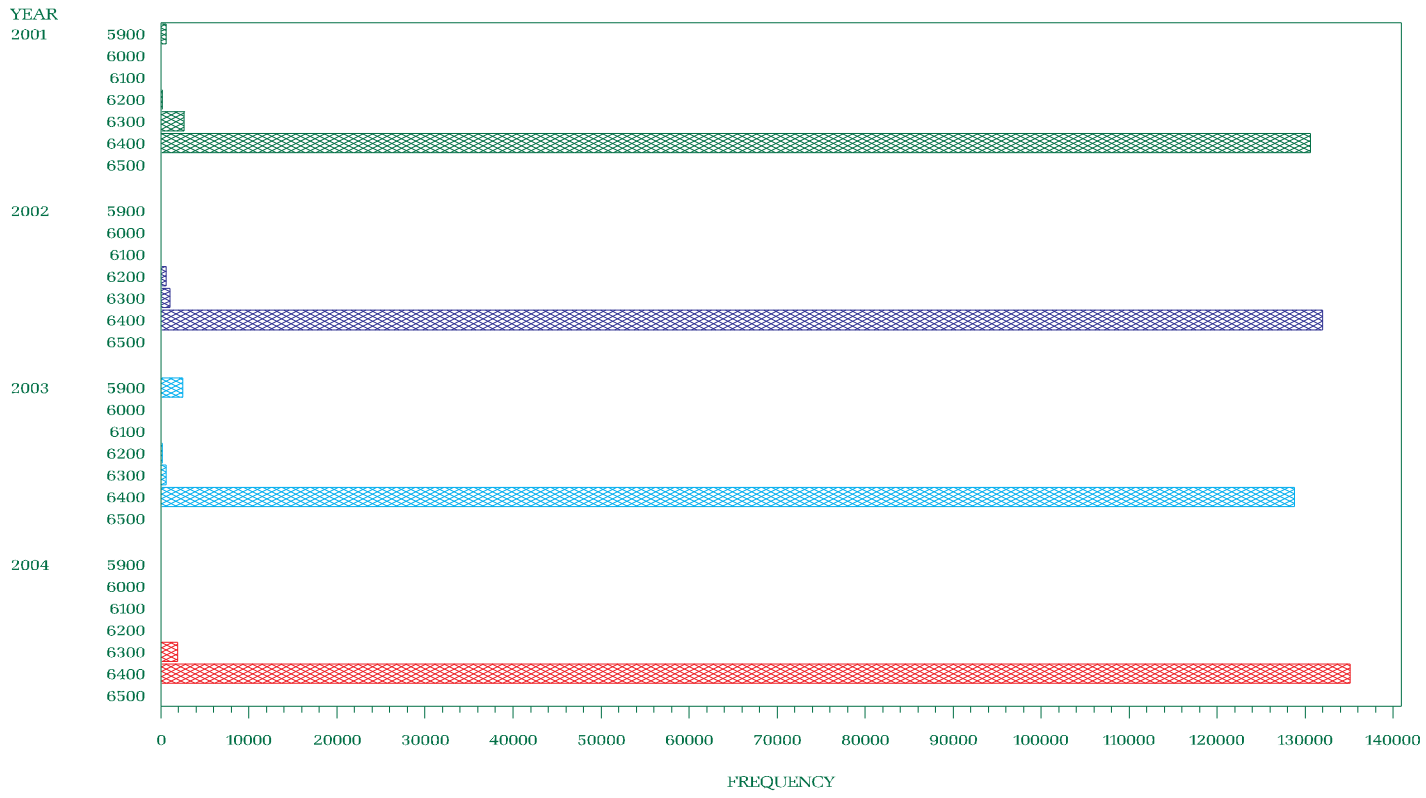
Total East Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
5900	0	0	0.00	0.00
6000	0	0	0.00	0.00
6100	0	0	0.00	0.00
6200	0	0	0.00	0.00
6300	1876	1876	1.37	1.37
6400	135103	136979	98.63	100.00
6500	0	136979	0.00	100.00

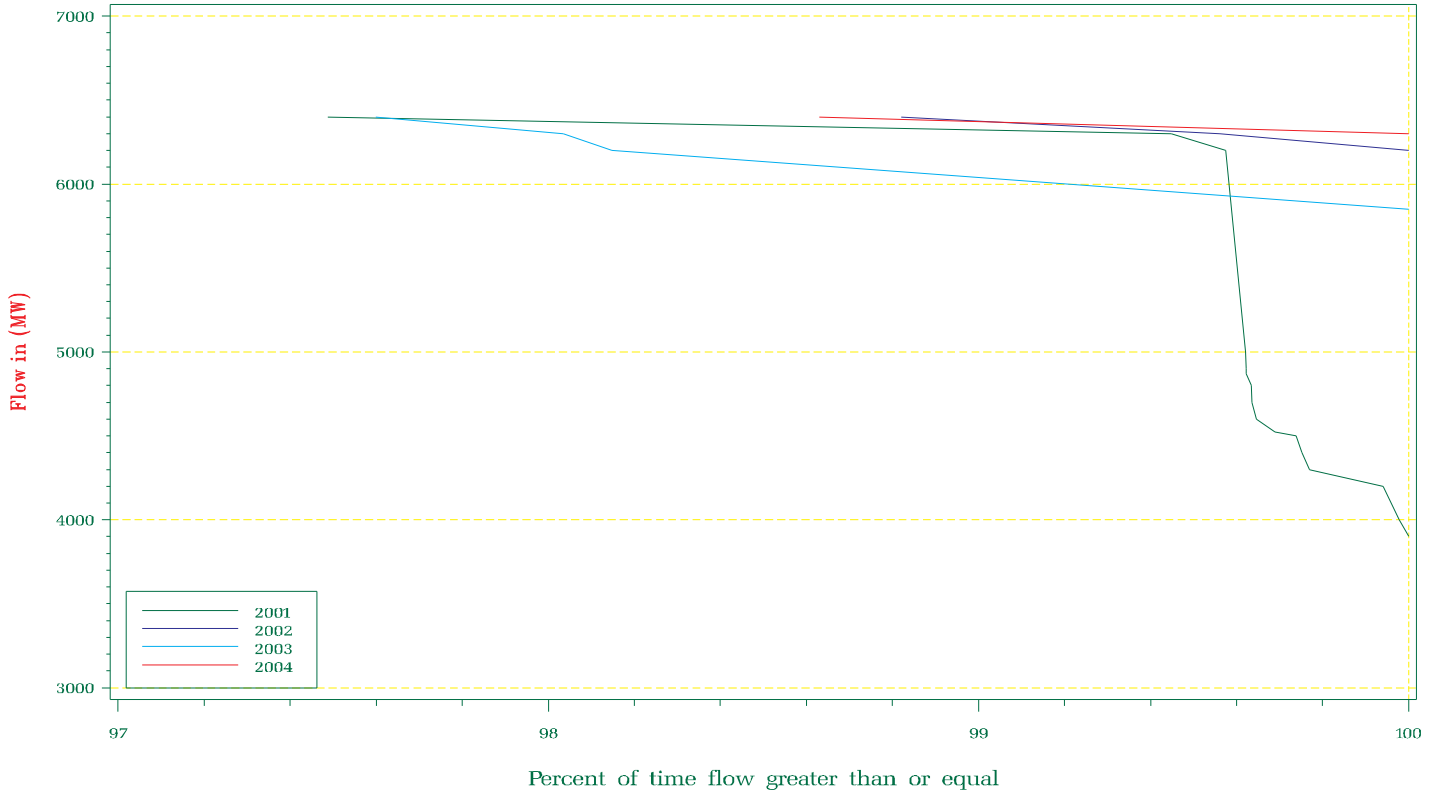
NYISO Frequency Interface Flow For January 2001 – December 2004

Total East Limit



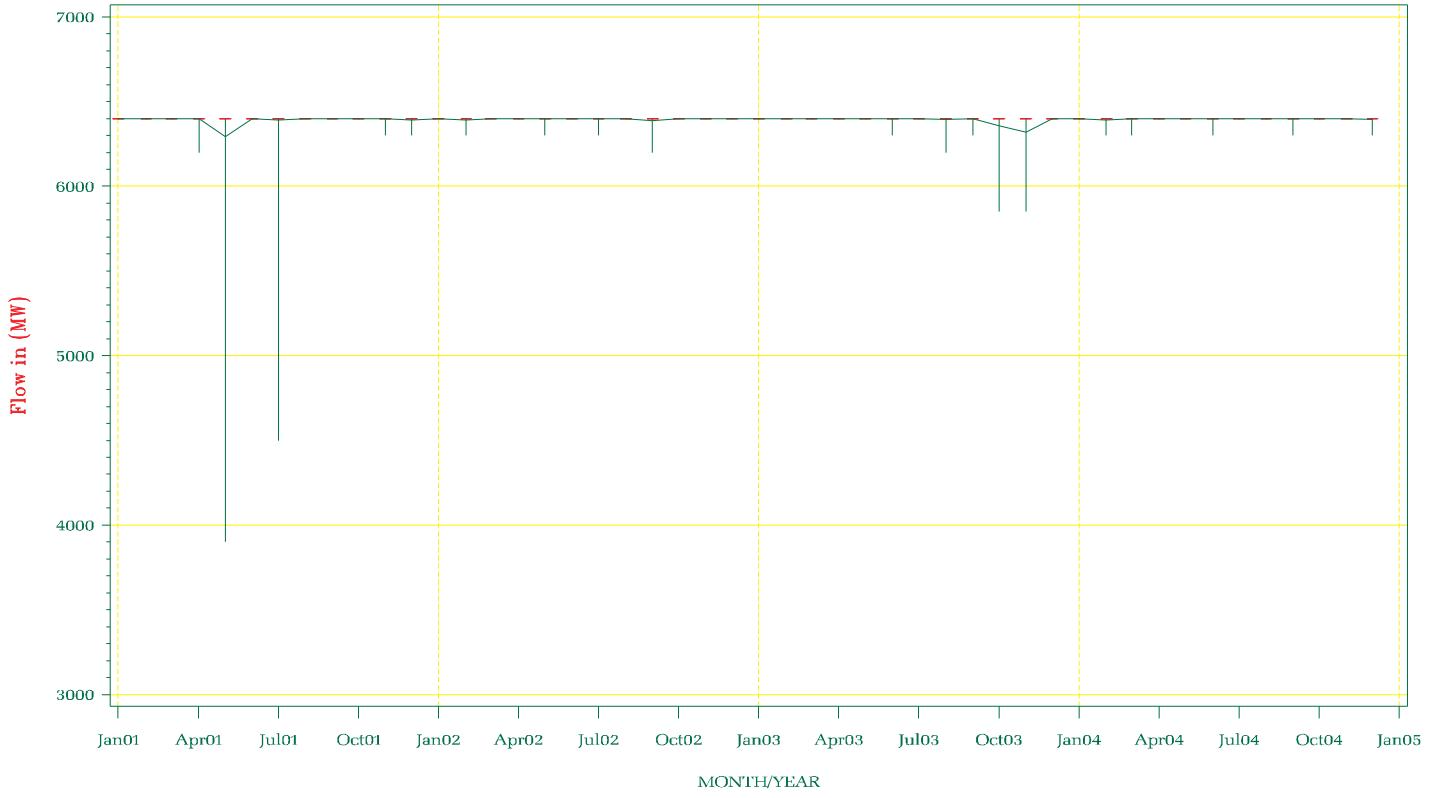
NYISO Percent of time Interface Flow For January 2001 – December 2004

Total East Limit



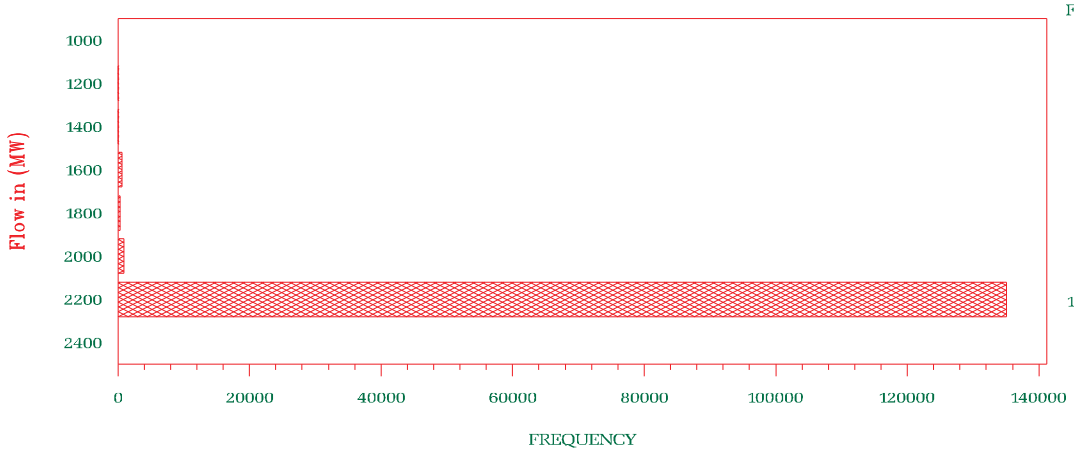
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Total East Limit



NYISO Frequency Interface Flow For January – December 2004

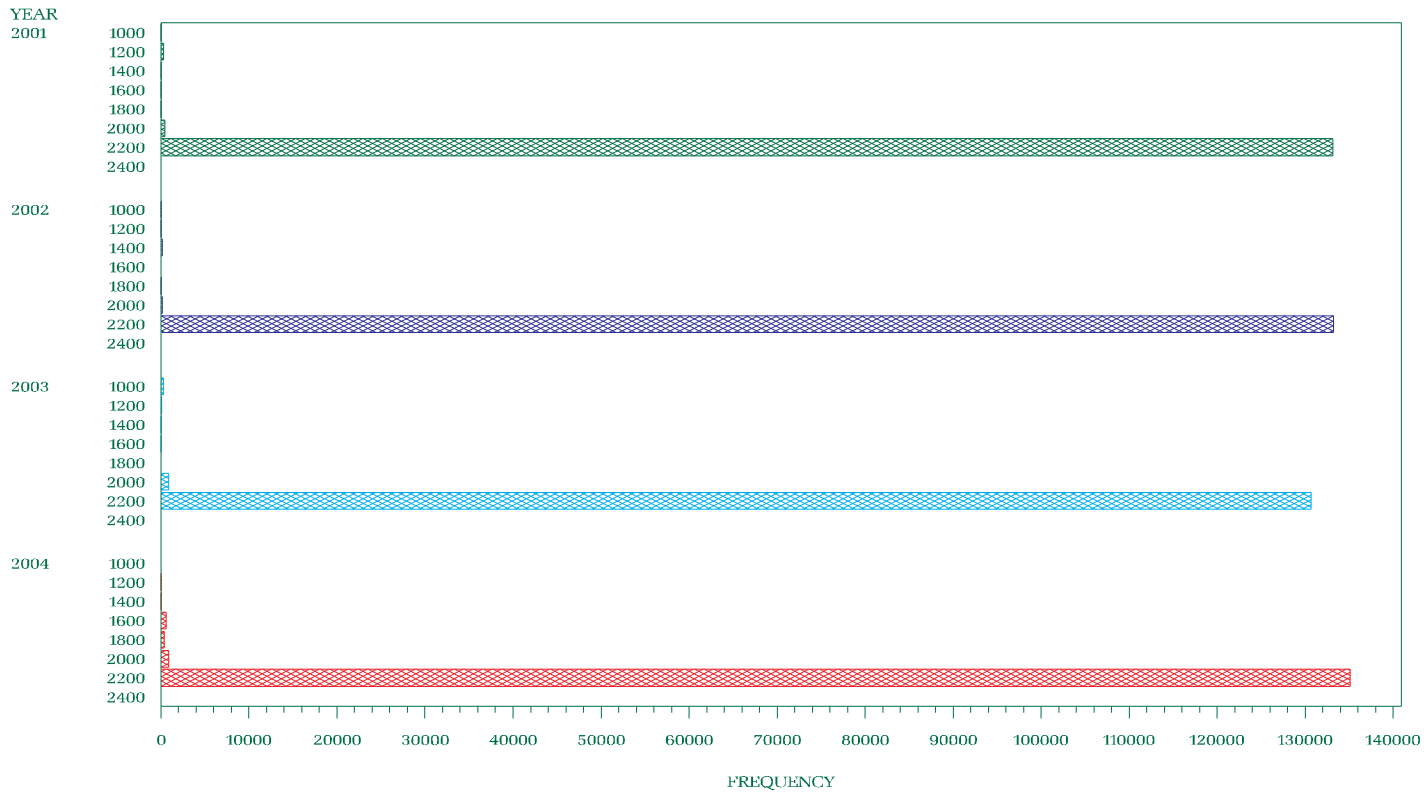
West Central Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	0	0	0.00	0.00
1200	16	16	0.01	0.01
1400	37	53	0.03	0.04
1600	575	628	0.42	0.46
1800	364	992	0.27	0.72
2000	873	1865	0.64	1.36
2200	135114	136979	98.64	100.00
2400	0	136979	0.00	100.00

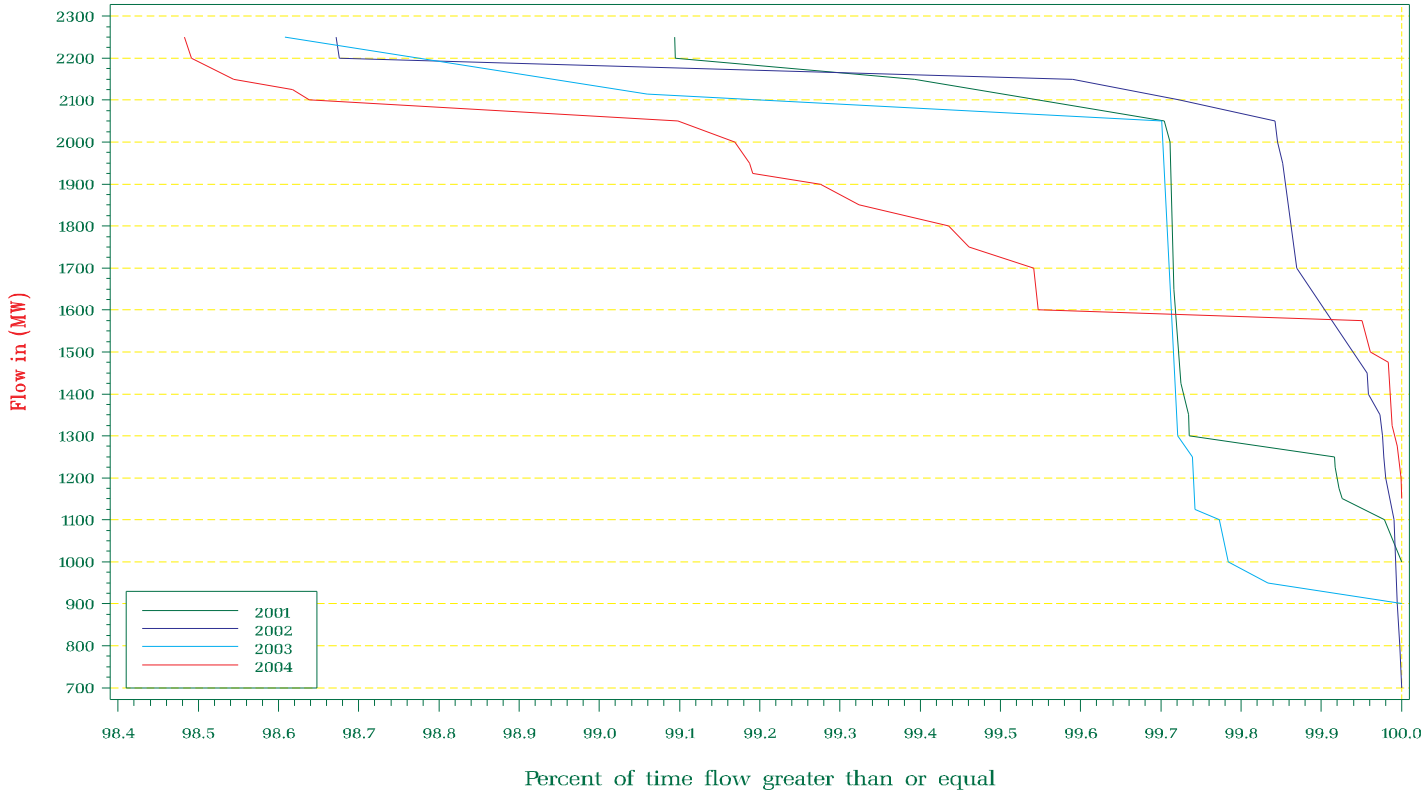
NYISO Frequency Interface Flow For January 2001 – December 2004

West Central Limit



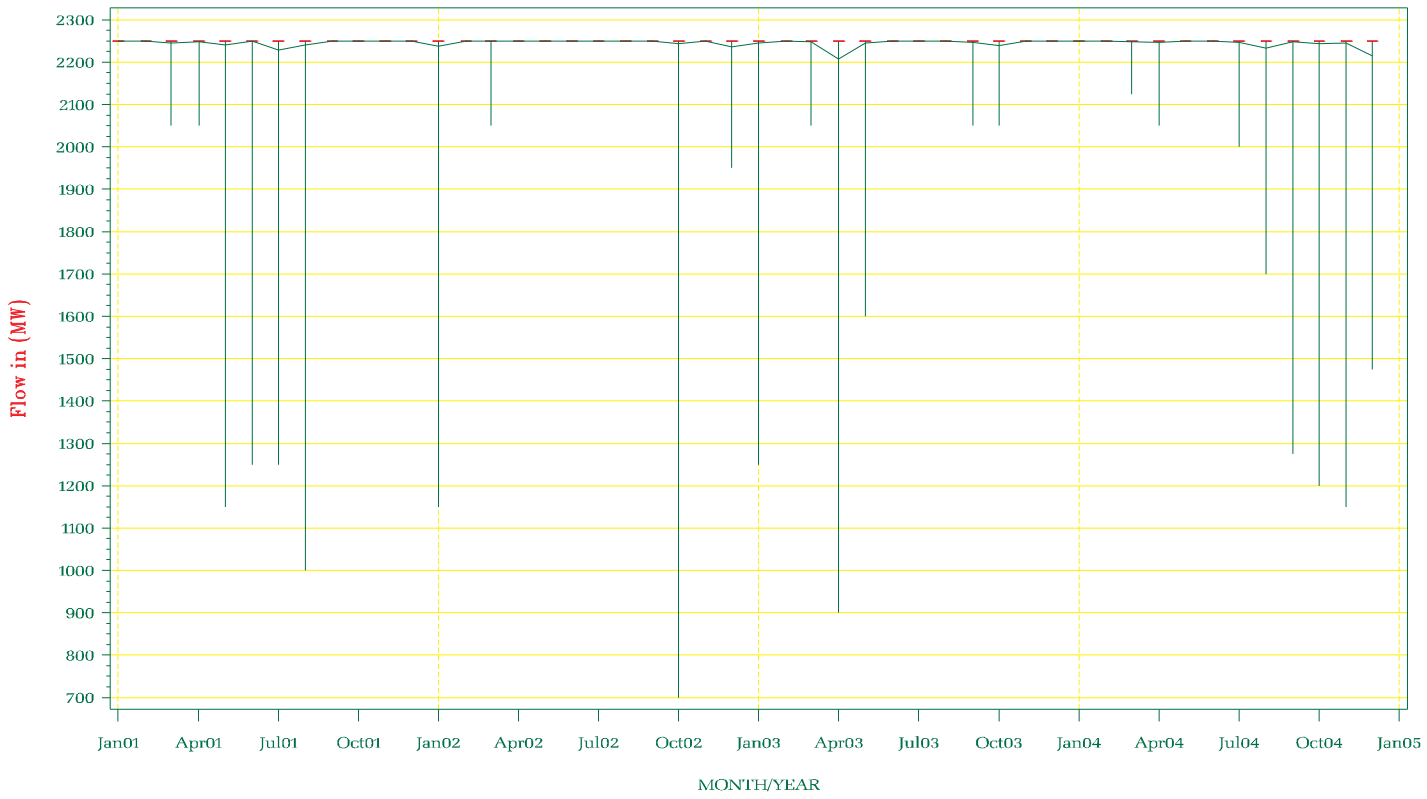
NYISO Percent of time Interface Flow For January 2001 – December 2004

West Central Limit



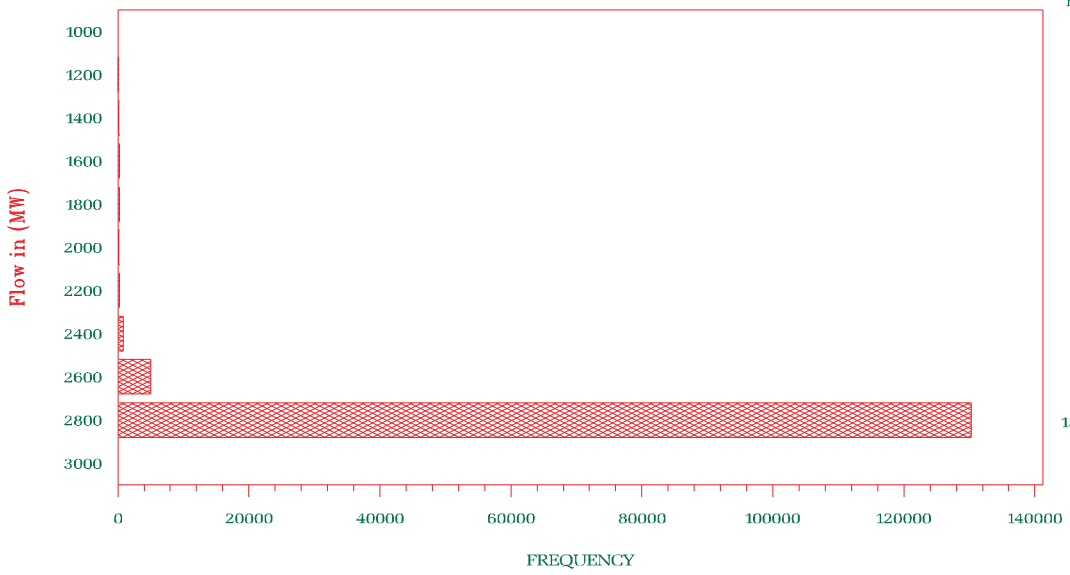
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

West Central Limit



NYISO Frequency Interface Flow For January – December 2004

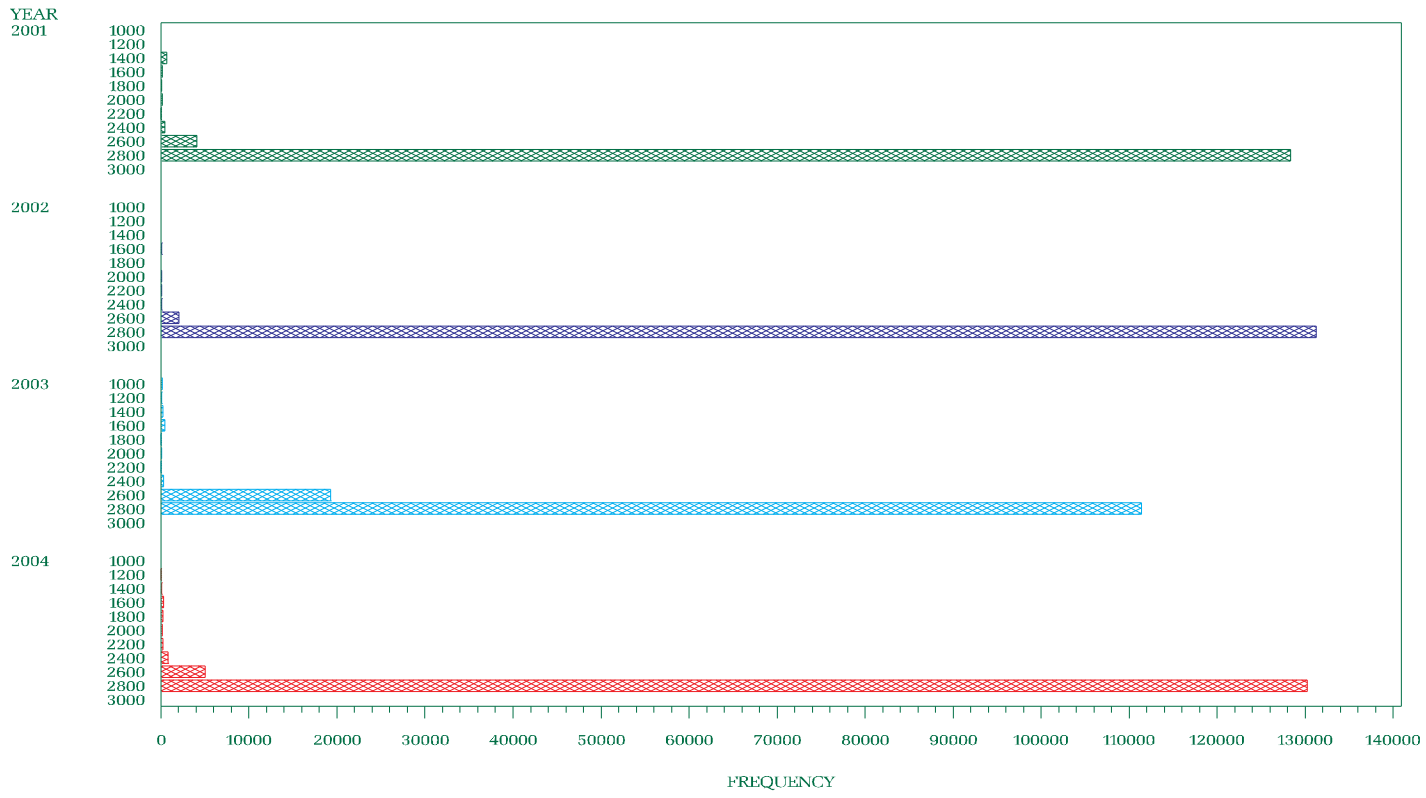
Dysinger East Limit



Flow in (MW)	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	0	0	0.00	0.00
1200	1	1	0.00	0.00
1400	105	106	0.08	0.08
1600	281	387	0.21	0.28
1800	254	641	0.19	0.47
2000	116	757	0.08	0.55
2200	199	956	0.15	0.70
2400	789	1745	0.58	1.27
2600	4992	6737	3.64	4.92
2800	130242	136979	95.08	100.00
3000	0	136979	0.00	100.00

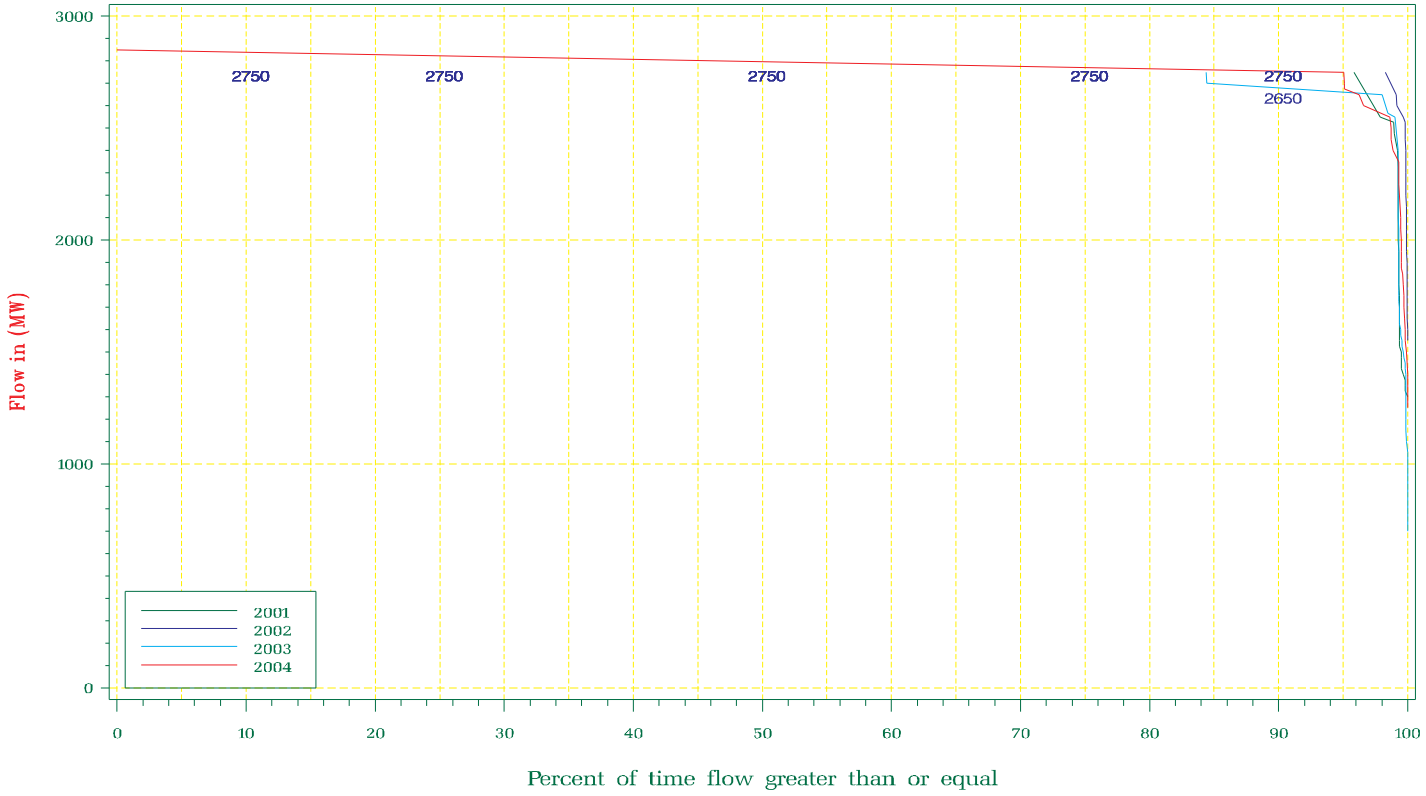
NYISO Frequency Interface Flow For January 2001 – December 2004

Dysinger East Limit



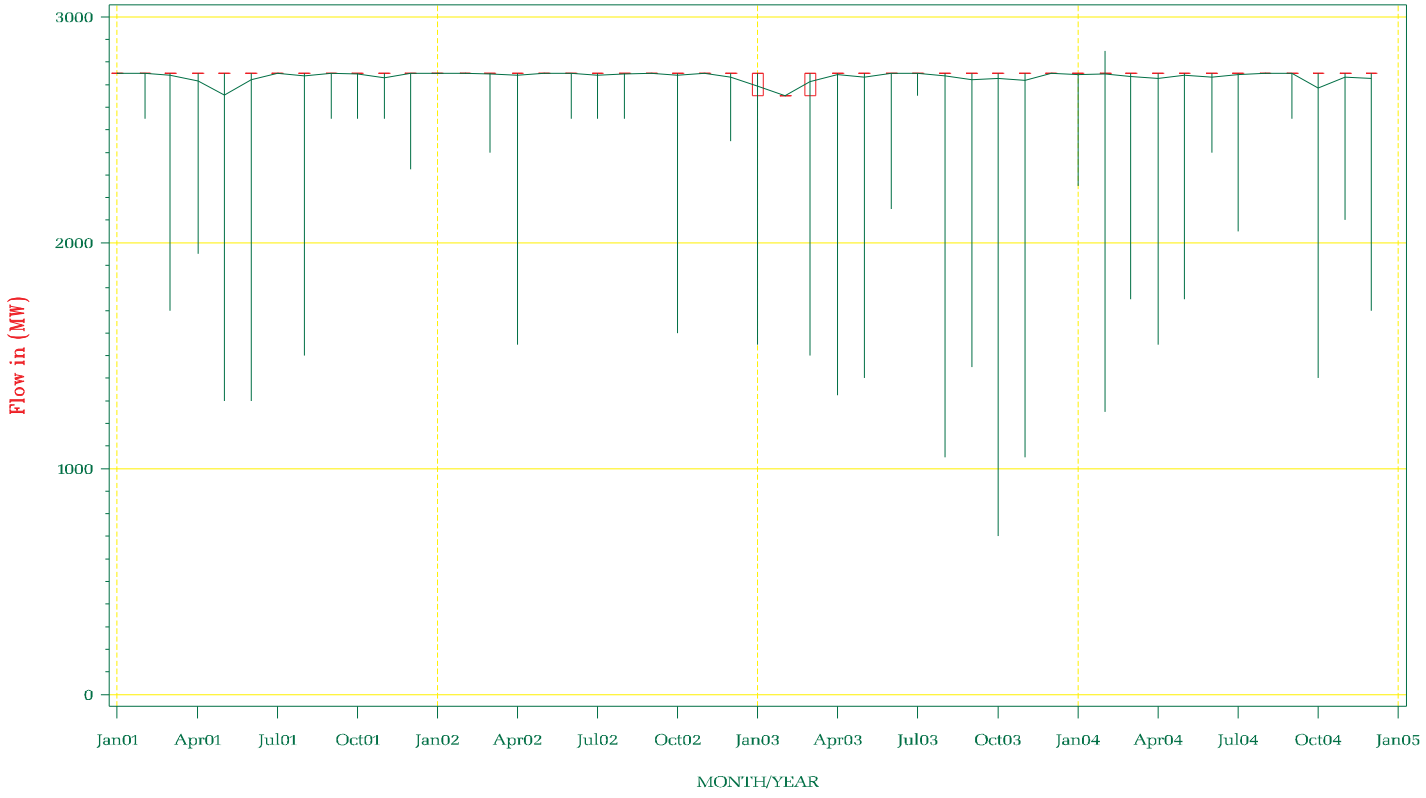
NYISO Percent of time Interface Flow For January 2001 – December 2004

Dysinger East Limit



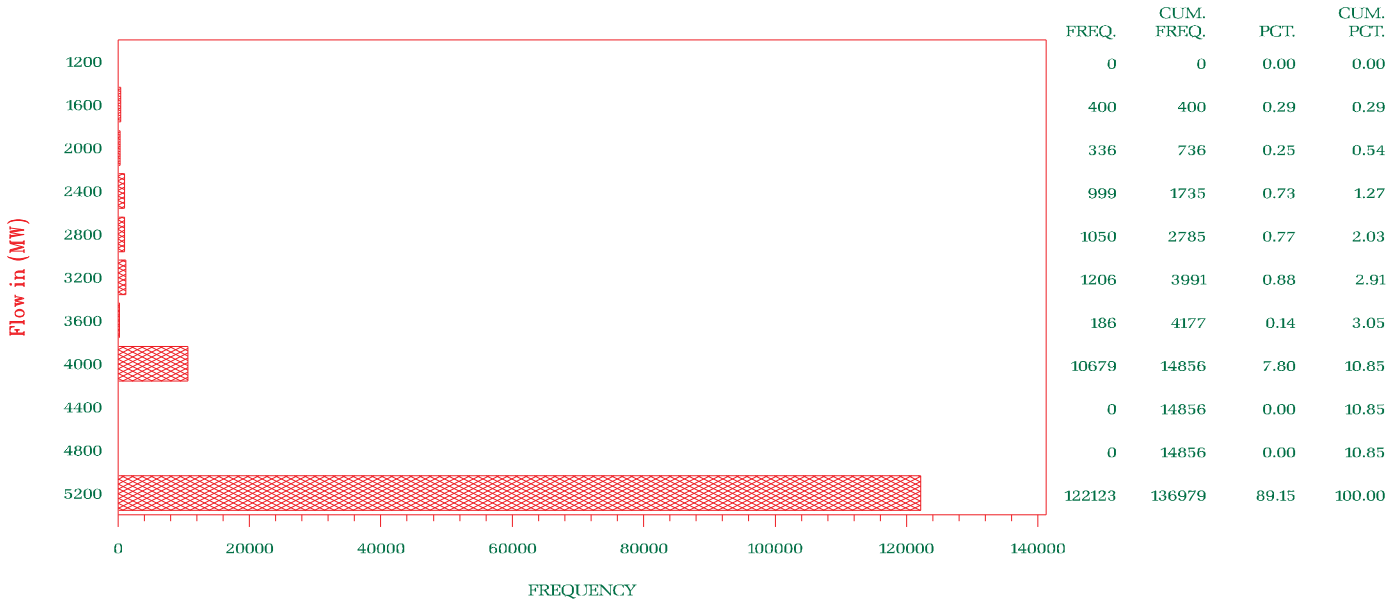
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Dysinger East Limit



NYISO Frequency Interface Flow For January – December 2004

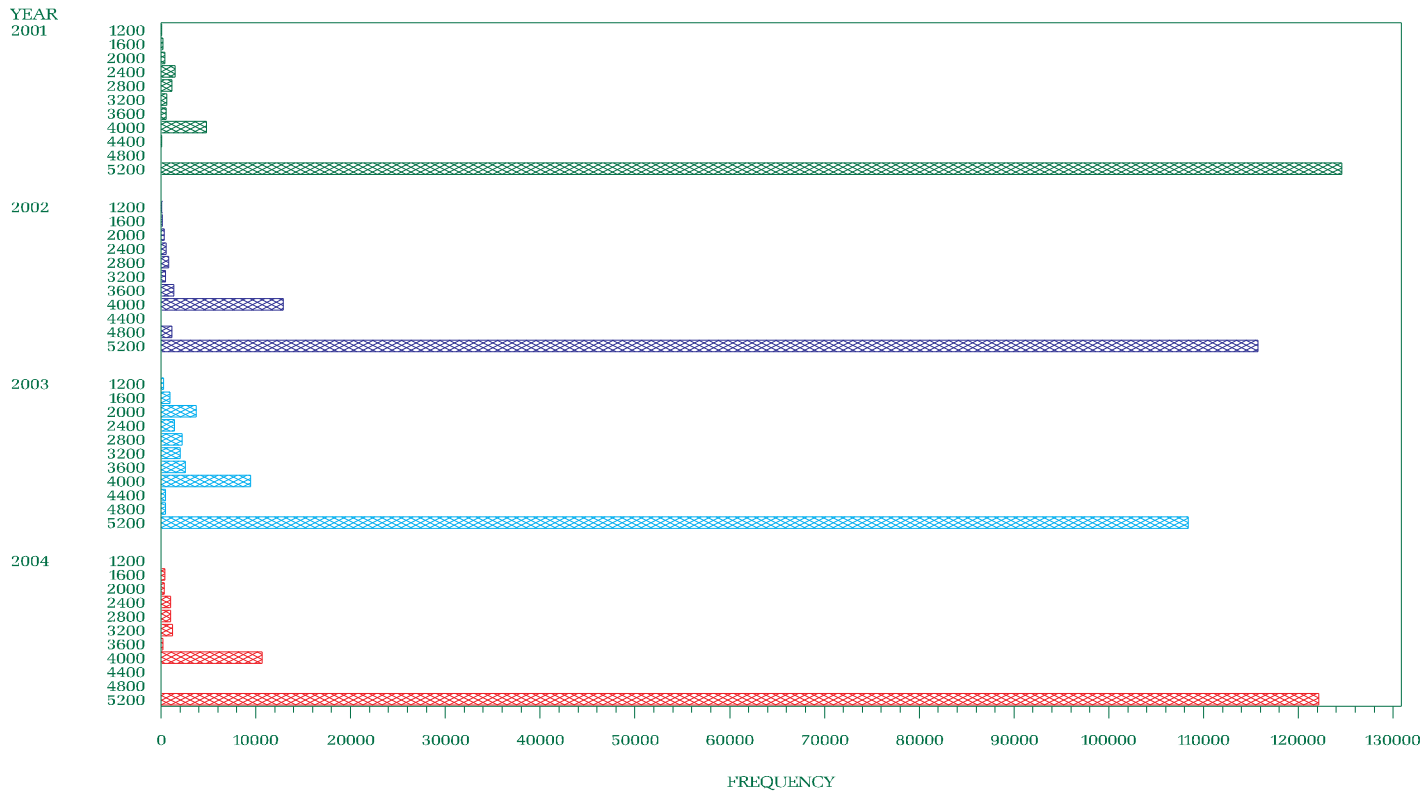
UPNY Con Ed Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1200	0	0	0.00	0.00
1600	400	400	0.29	0.29
2000	336	736	0.25	0.54
2400	999	1735	0.73	1.27
2800	1050	2785	0.77	2.03
3200	1206	3991	0.88	2.91
3600	186	4177	0.14	3.05
4000	10679	14856	7.80	10.85
4400	0	14856	0.00	10.85
4800	0	14856	0.00	10.85
5200	122123	136979	89.15	100.00

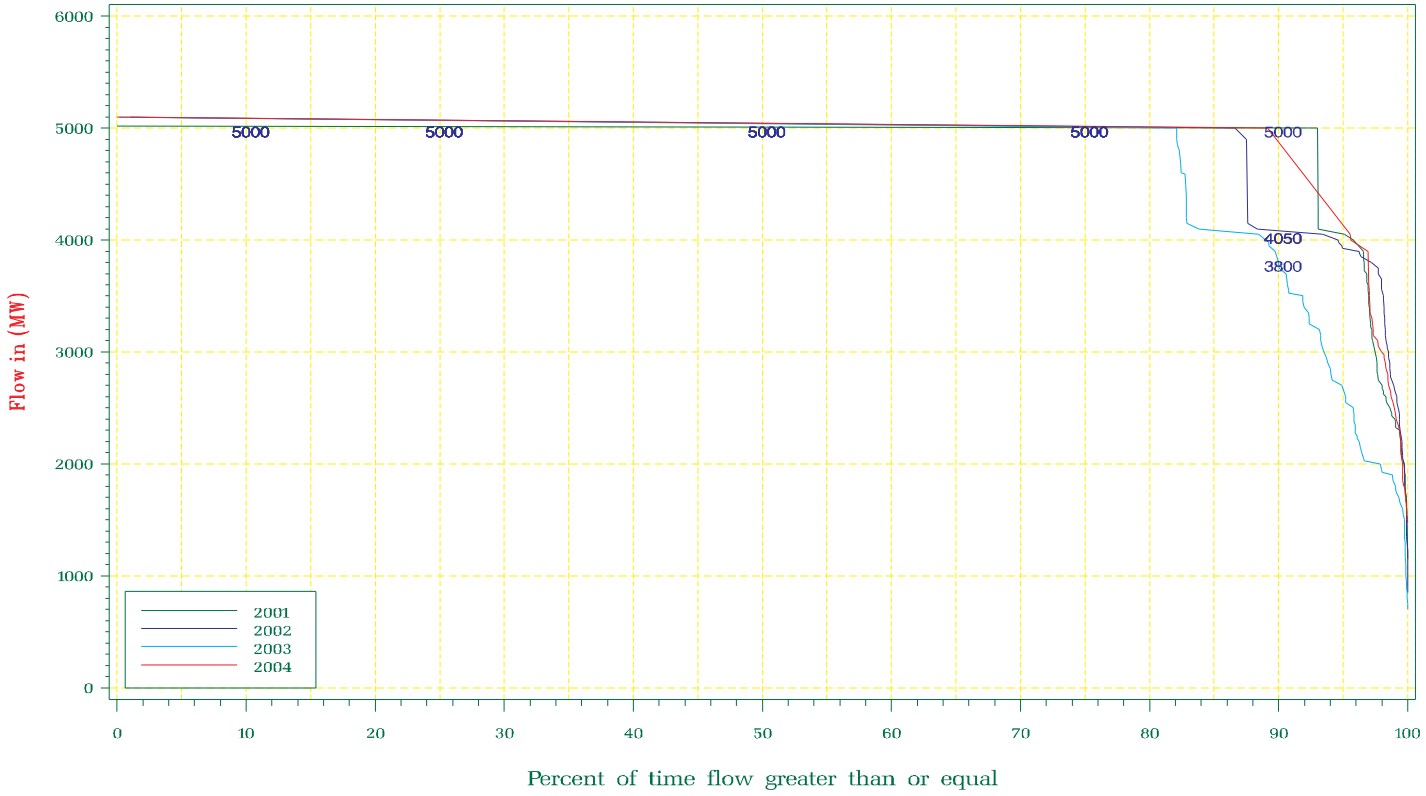
NYISO Frequency Interface Flow For January 2001 – December 2004

UPNY Con Ed Limit



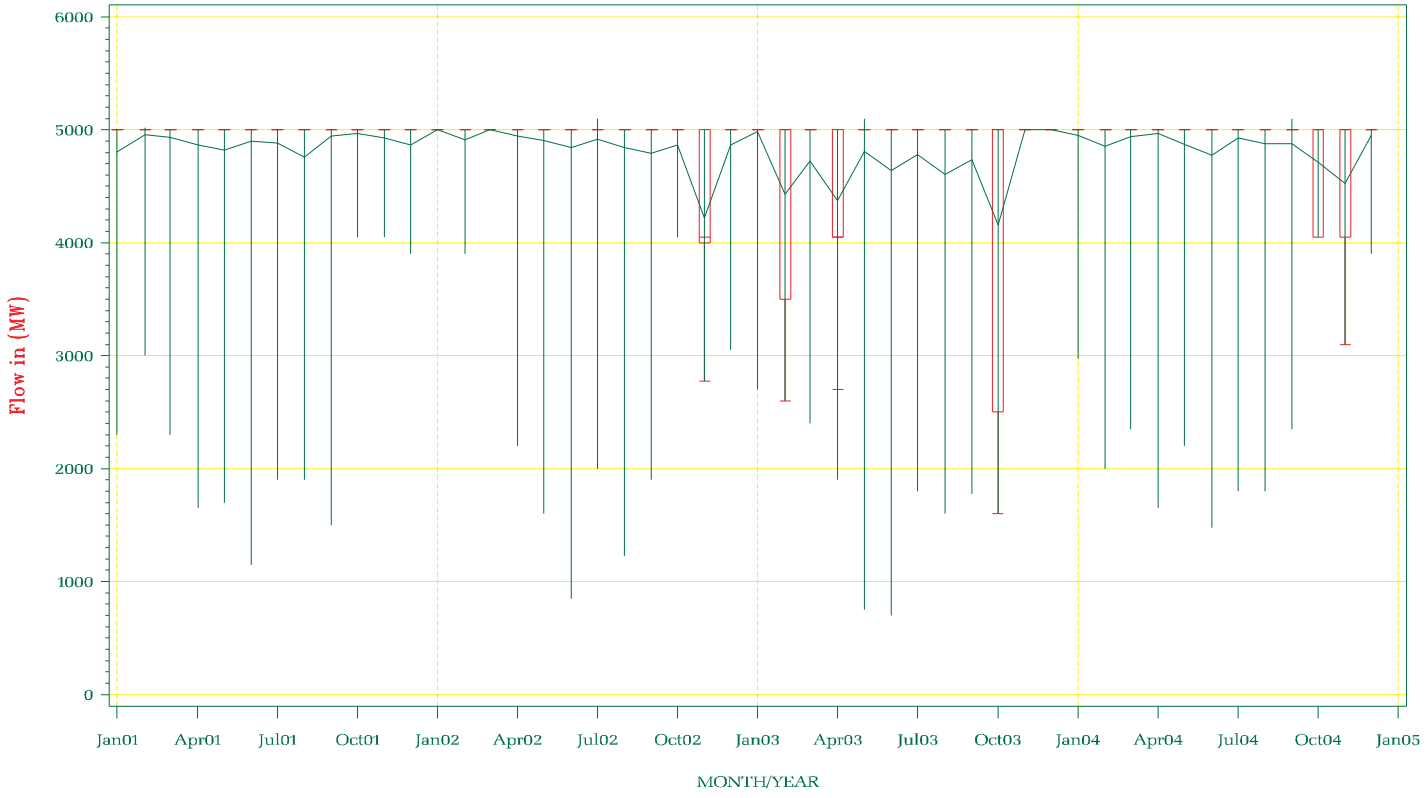
NYISO Percent of time Interface Flow For January 2001 – December 2004

UPNY Con Ed Limit



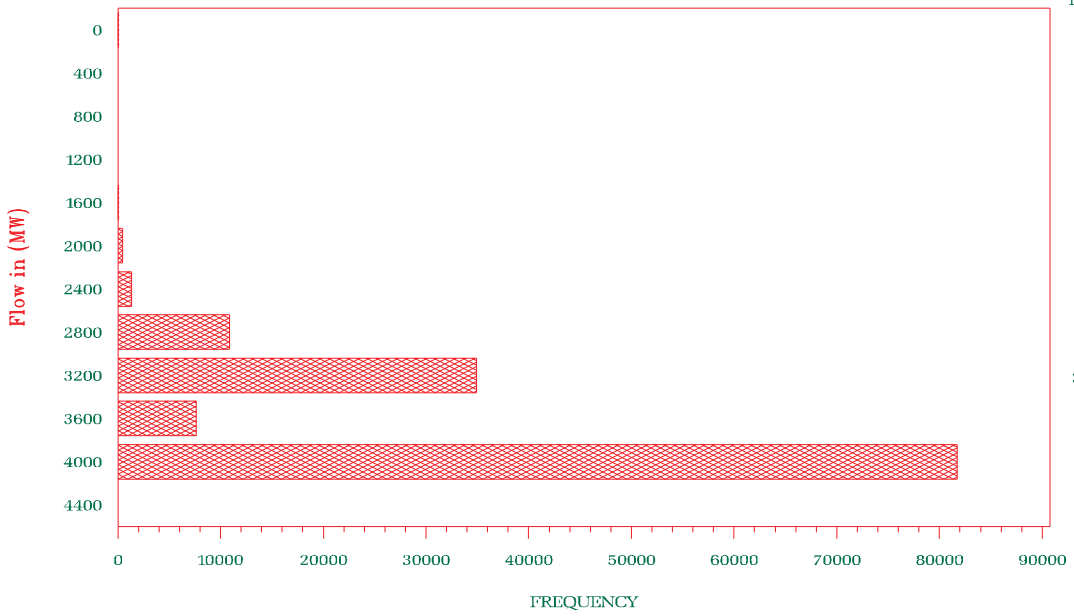
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

UPNY Con Ed Limit



NYISO Frequency Interface Flow For January – December 2004

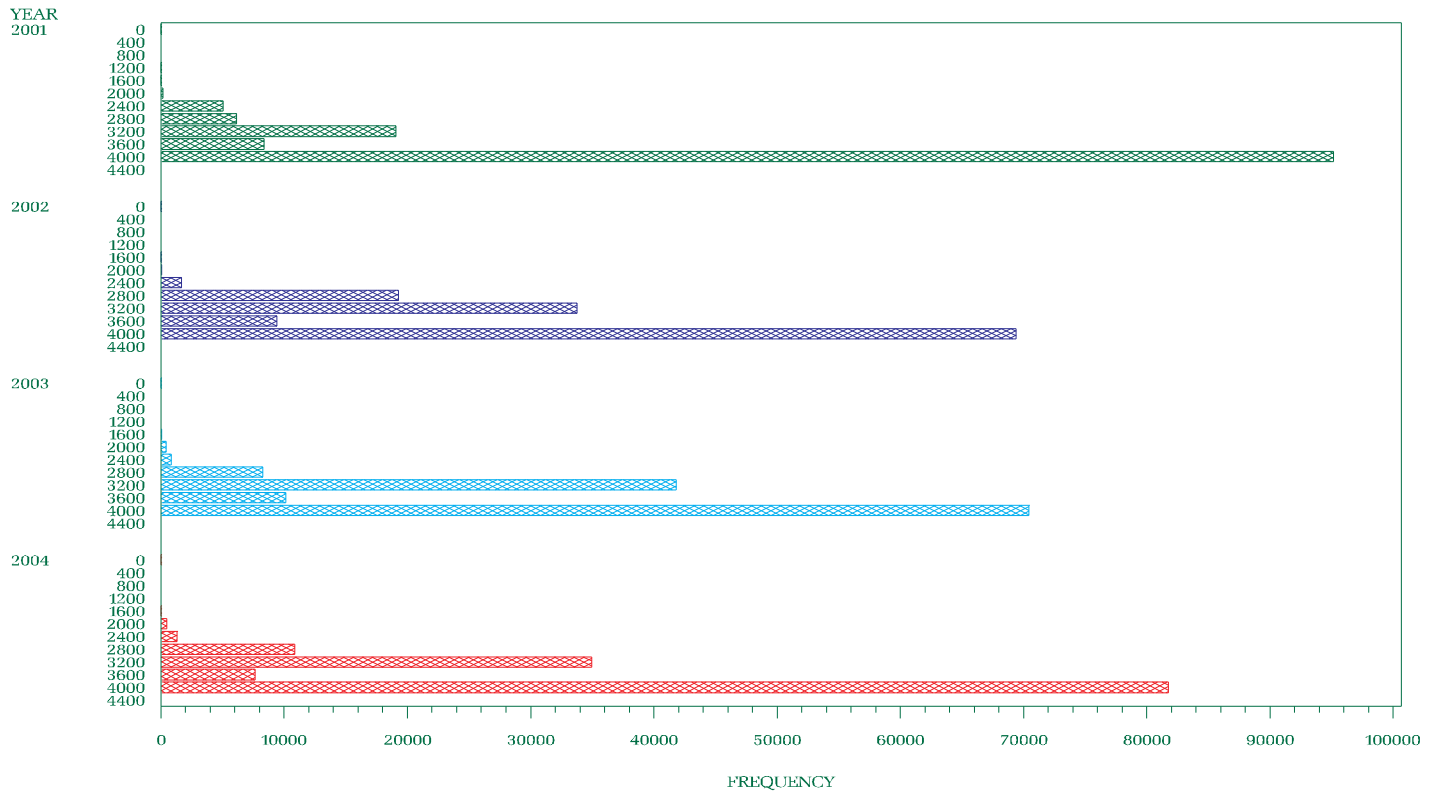
Dunwoodie South Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	2	2	0.00	0.00
400	0	2	0.00	0.00
800	0	2	0.00	0.00
1200	0	2	0.00	0.00
1600	2	4	0.00	0.00
2000	485	489	0.35	0.36
2400	1304	1793	0.95	1.31
2800	10845	12638	7.92	9.23
3200	34952	47590	25.52	34.74
3600	7653	55243	5.59	40.33
4000	81736	136979	59.67	100.00
4400	0	136979	0.00	100.00

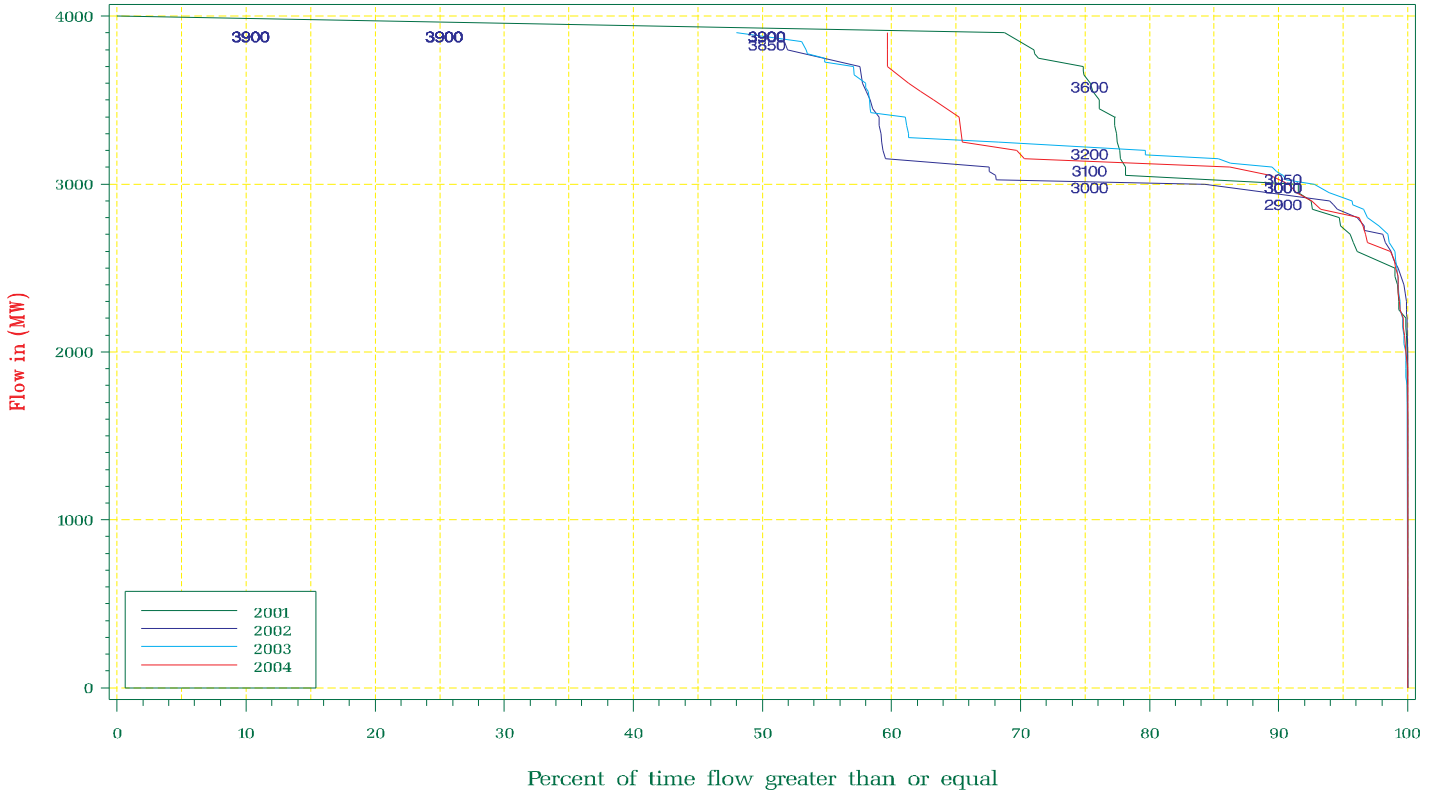
NYISO Frequency Interface Flow For January 2001 – December 2004

Dunwoodie South Limit



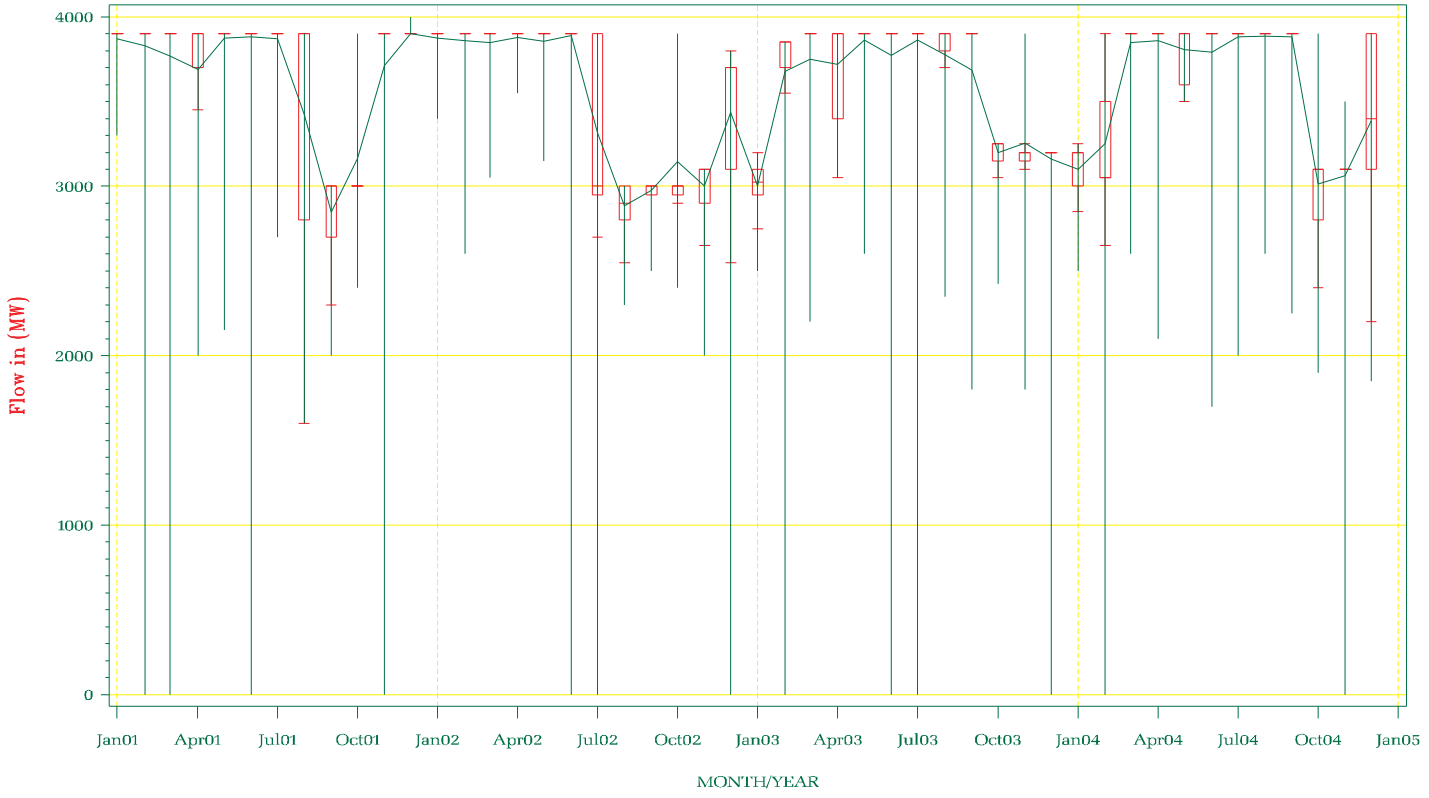
NYISO Percent of time Interface Flow For January 2001 – December 2004

Dunwoodie South Limit



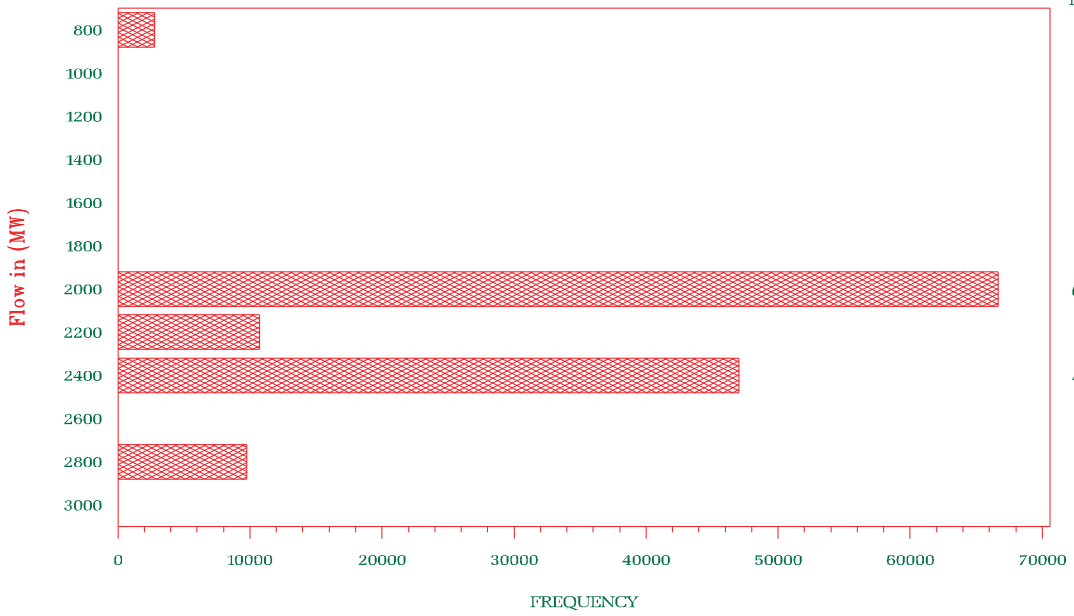
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Dunwoodie South Limit



NYISO Frequency Interface Flow For January – December 2004

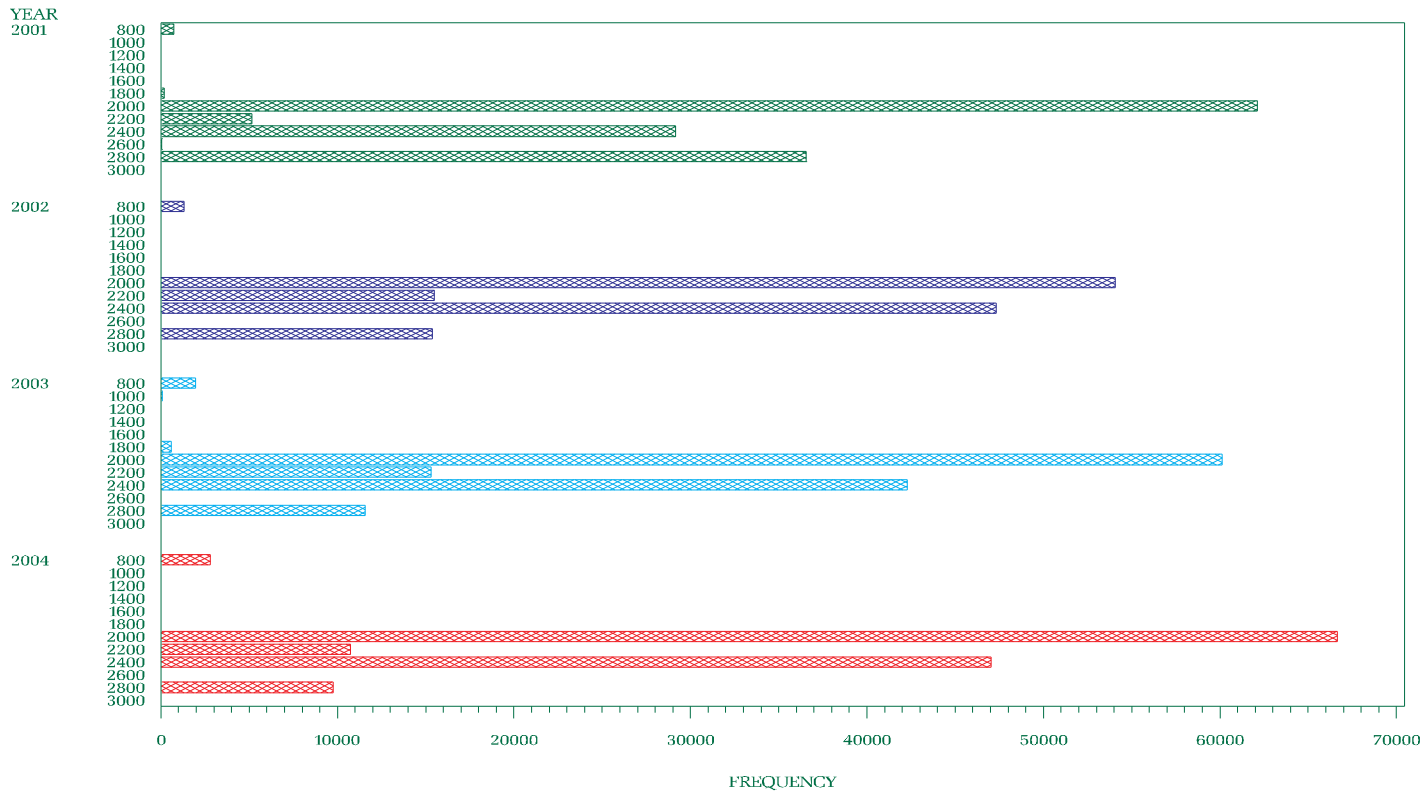
Moses South Limit



Flow in (MW)	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
800	2797	2797	2.04	2.04
1000	0	2797	0.00	2.04
1200	0	2797	0.00	2.04
1400	0	2797	0.00	2.04
1600	0	2797	0.00	2.04
1800	0	2797	0.00	2.04
2000	66642	69439	48.65	50.69
2200	10733	80172	7.84	58.53
2400	47036	127208	34.34	92.87
2600	0	127208	0.00	92.87
2800	9771	136979	7.13	100.00
3000	0	136979	0.00	100.00

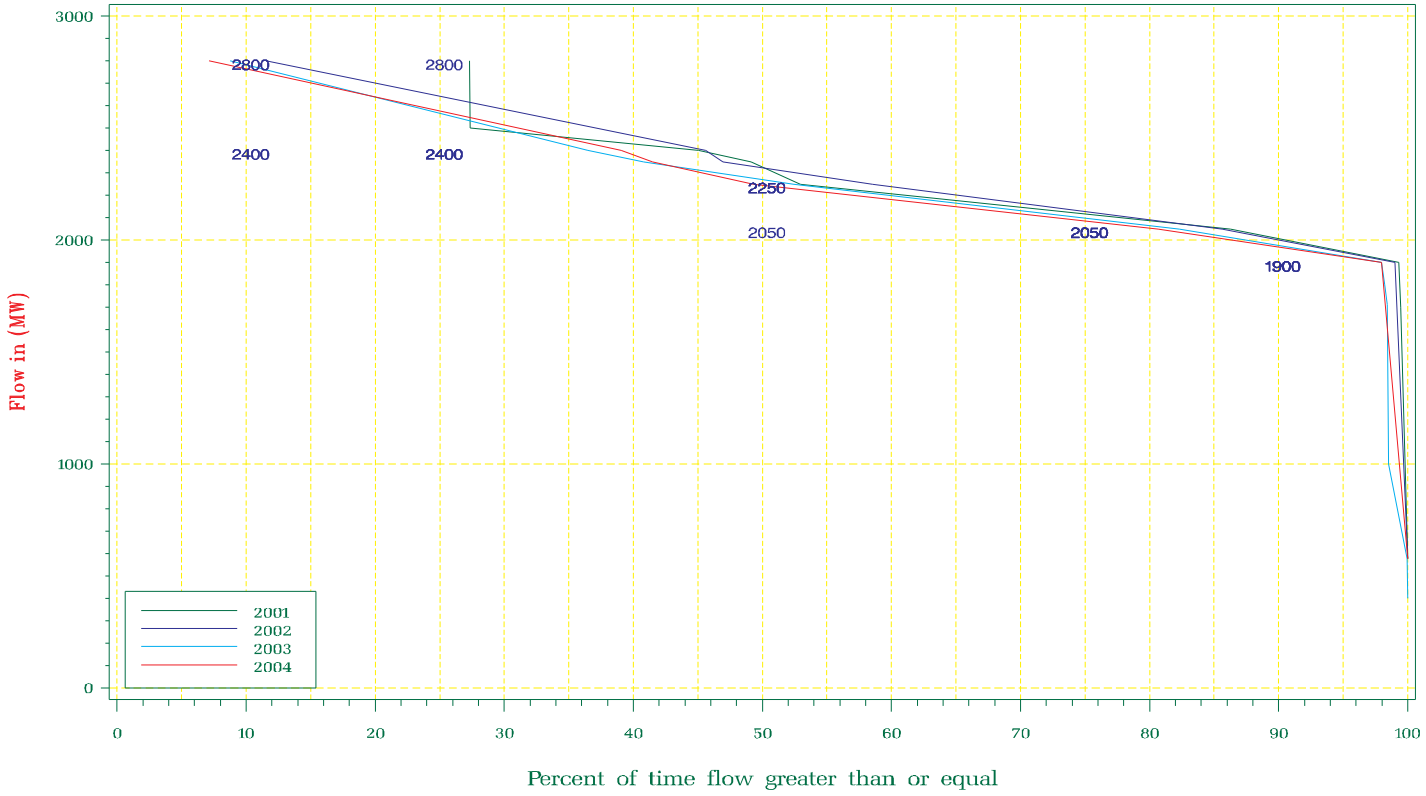
NYISO Frequency Interface Flow For January 2001 – December 2004

Moses South Limit



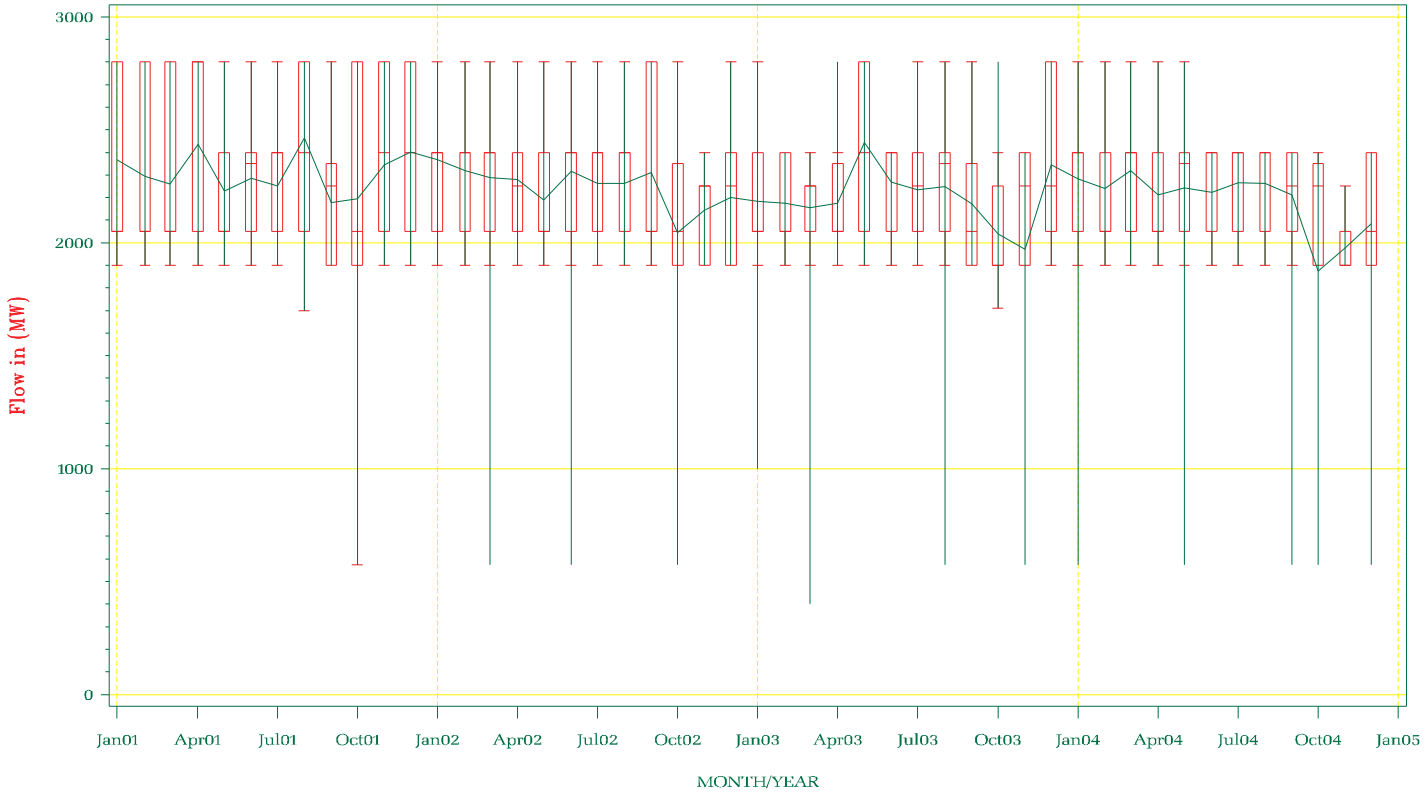
NYISO Percent of time Interface Flow For January 2001 – December 2004

Moses South Limit



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Moses South Limit



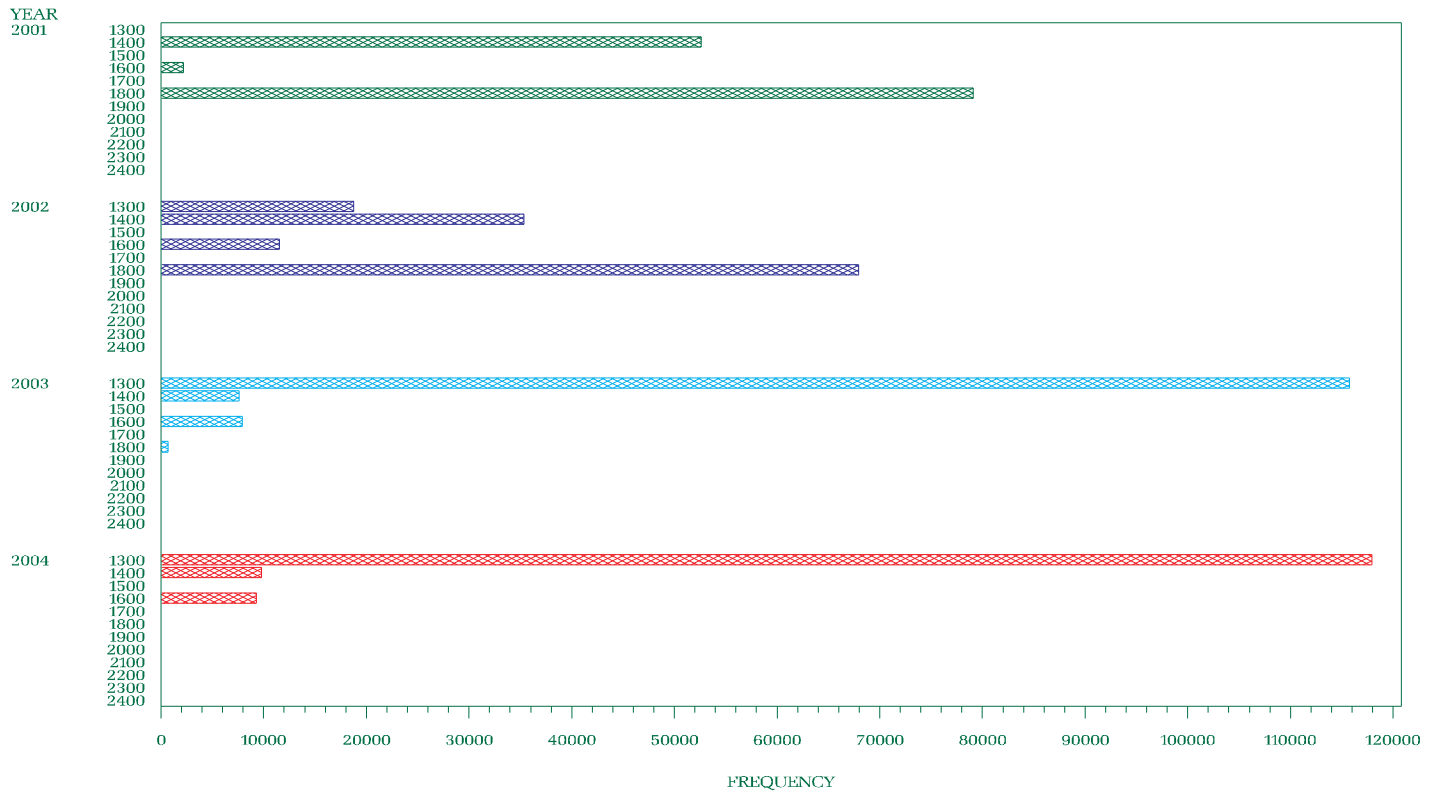
NYISO Frequency Interface Flow For January – December 2004

TE – NY Limit

	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1300	117904	117904	86.07	86.07
1400	9783	127687	7.14	93.22
1500	0	127687	0.00	93.22
1600	9292	136979	6.78	100.00
1700	0	136979	0.00	100.00
1800	0	136979	0.00	100.00
1900	0	136979	0.00	100.00
2000	0	136979	0.00	100.00
2100	0	136979	0.00	100.00
2200	0	136979	0.00	100.00
2300	0	136979	0.00	100.00
2400	0	136979	0.00	100.00

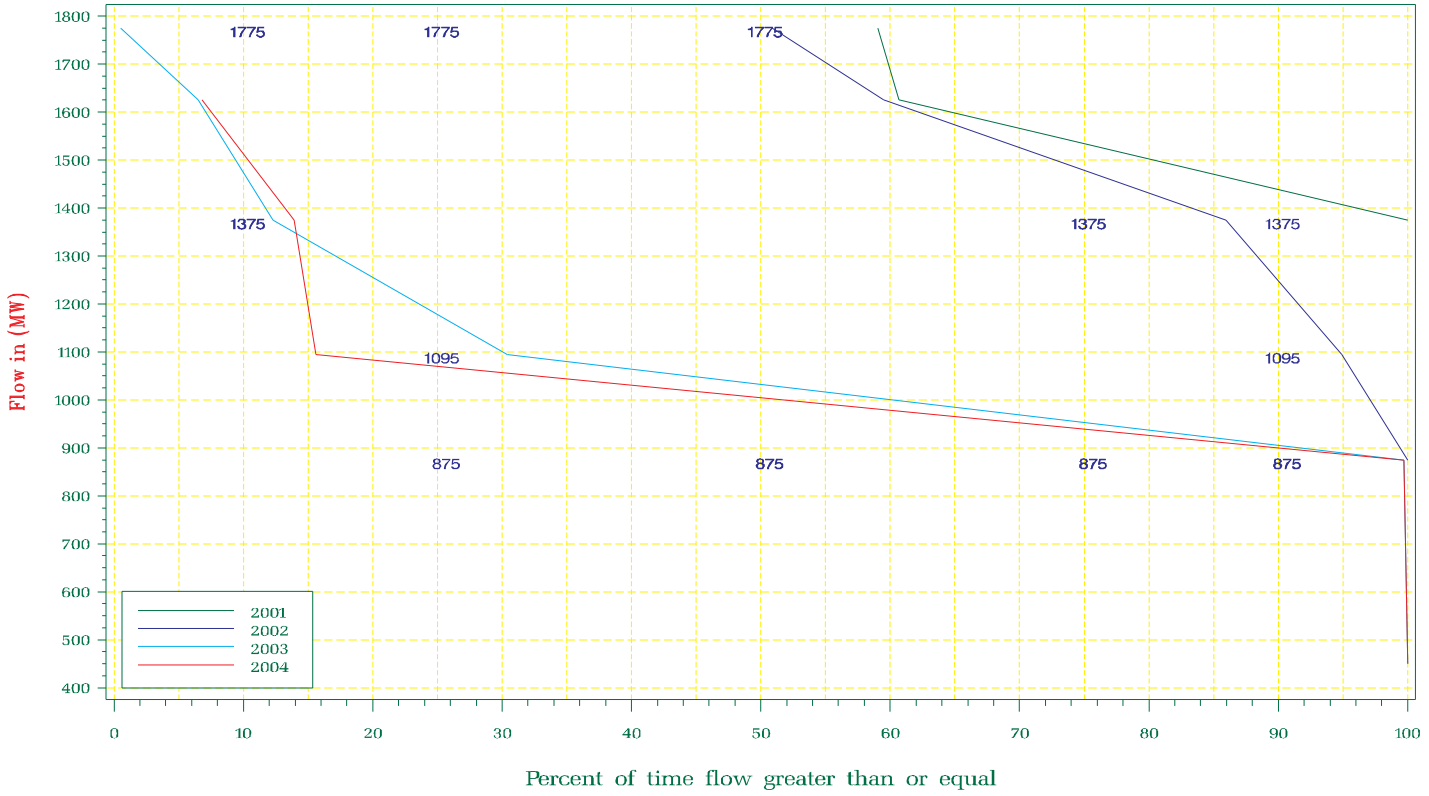
NYISO Frequency Interface Flow For January 2001 – December 2004

TE – NY Limit



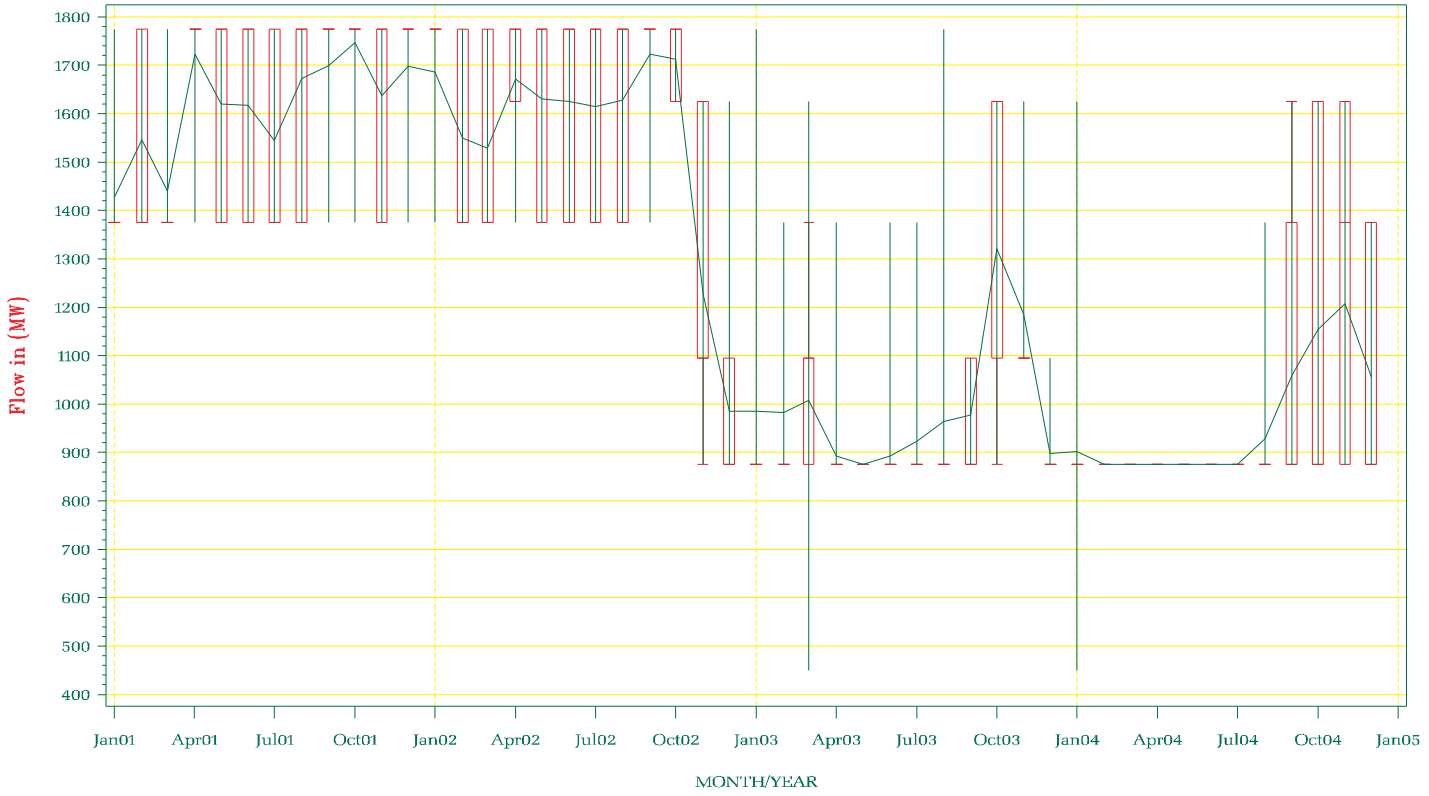
NYISO Percent of time Interface Flow For January 2001 – December 2004

TE – NY Limit



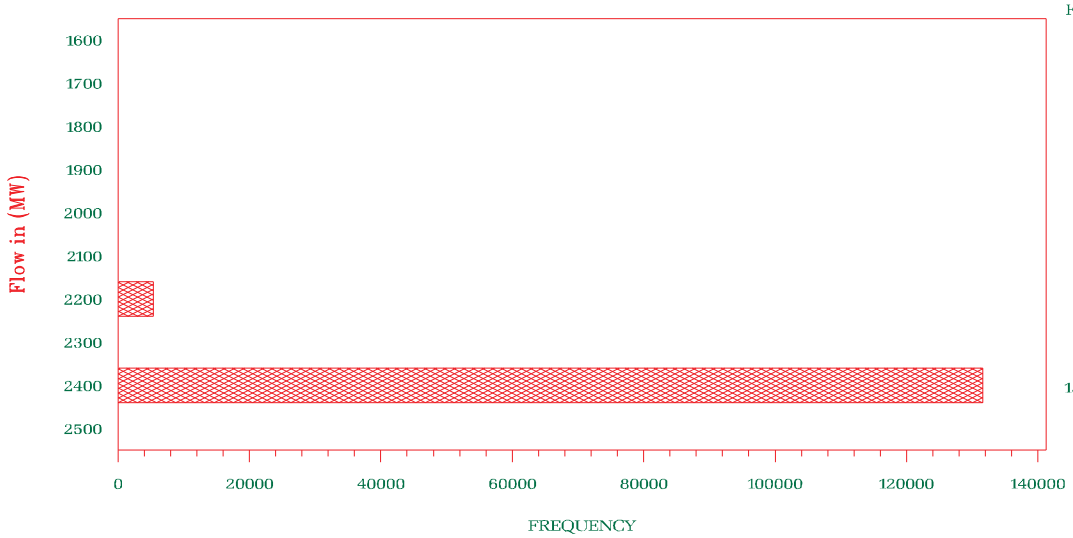
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

TE – NY Limit



NYISO Frequency Interface Flow For January – December 2004

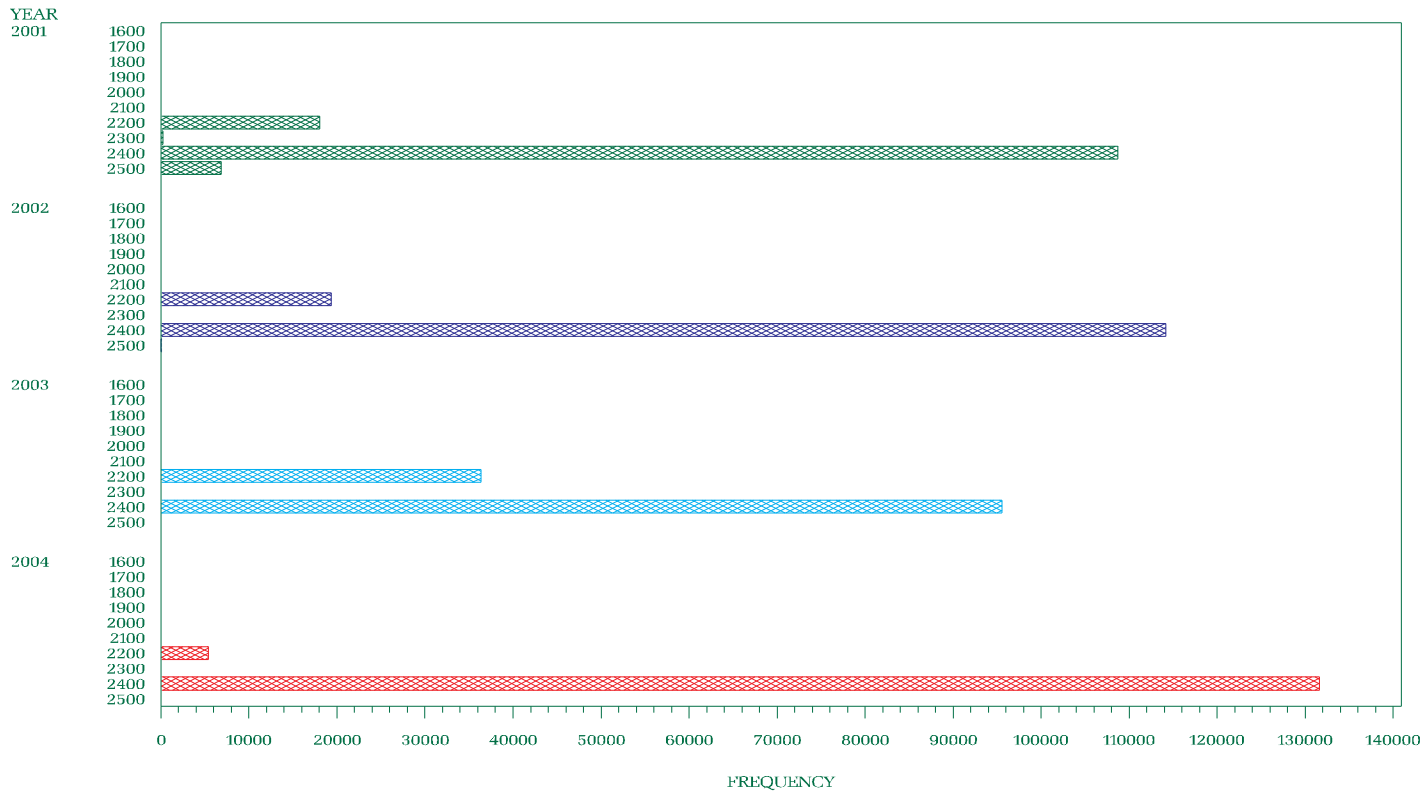
Ontario – NY Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1600	0	0	0.00	0.00
1700	0	0	0.00	0.00
1800	0	0	0.00	0.00
1900	0	0	0.00	0.00
2000	0	0	0.00	0.00
2100	0	0	0.00	0.00
2200	5377	5377	3.93	3.93
2300	0	5377	0.00	3.93
2400	131602	136979	96.07	100.00
2500	0	136979	0.00	100.00

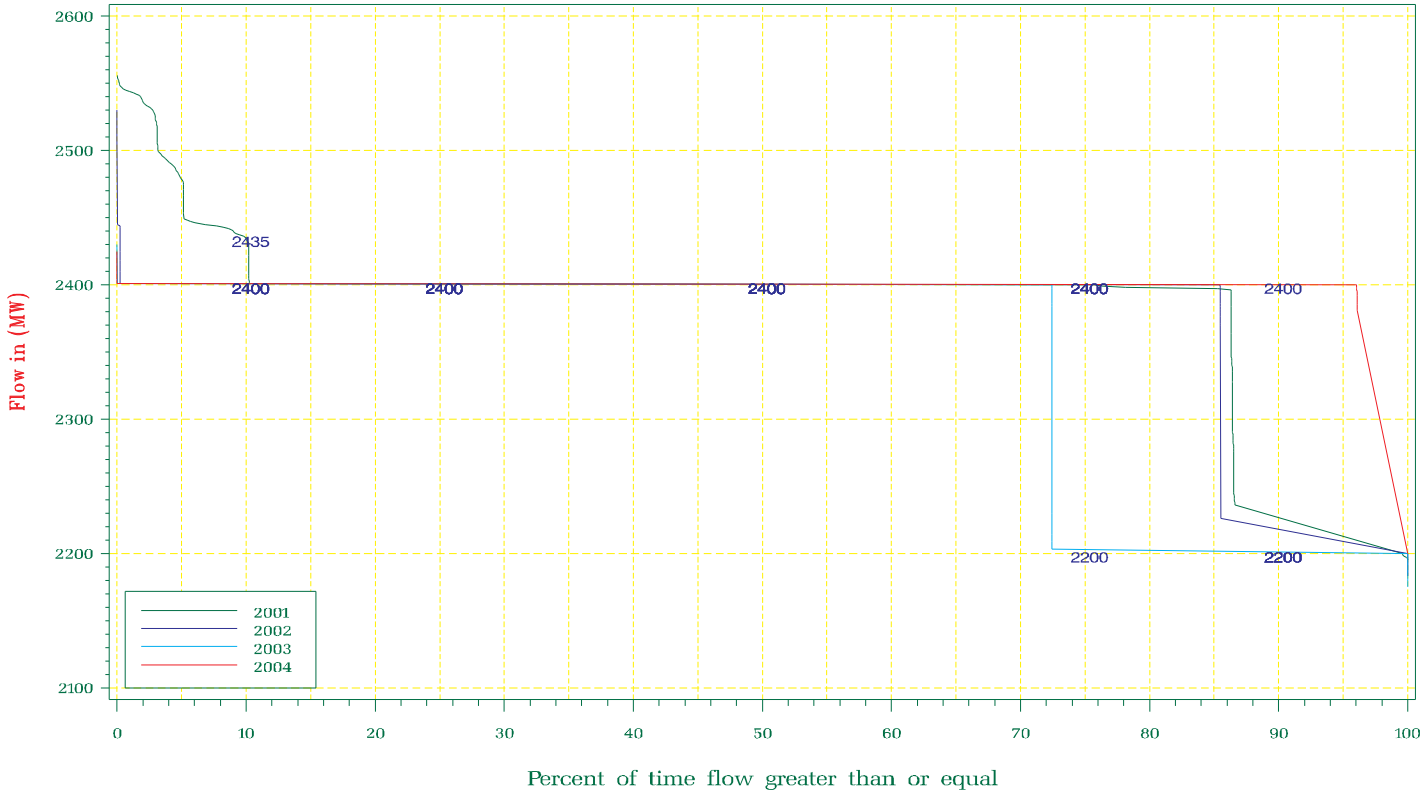
NYISO Frequency Interface Flow For January 2001 – December 2004

Ontario – NY Limit



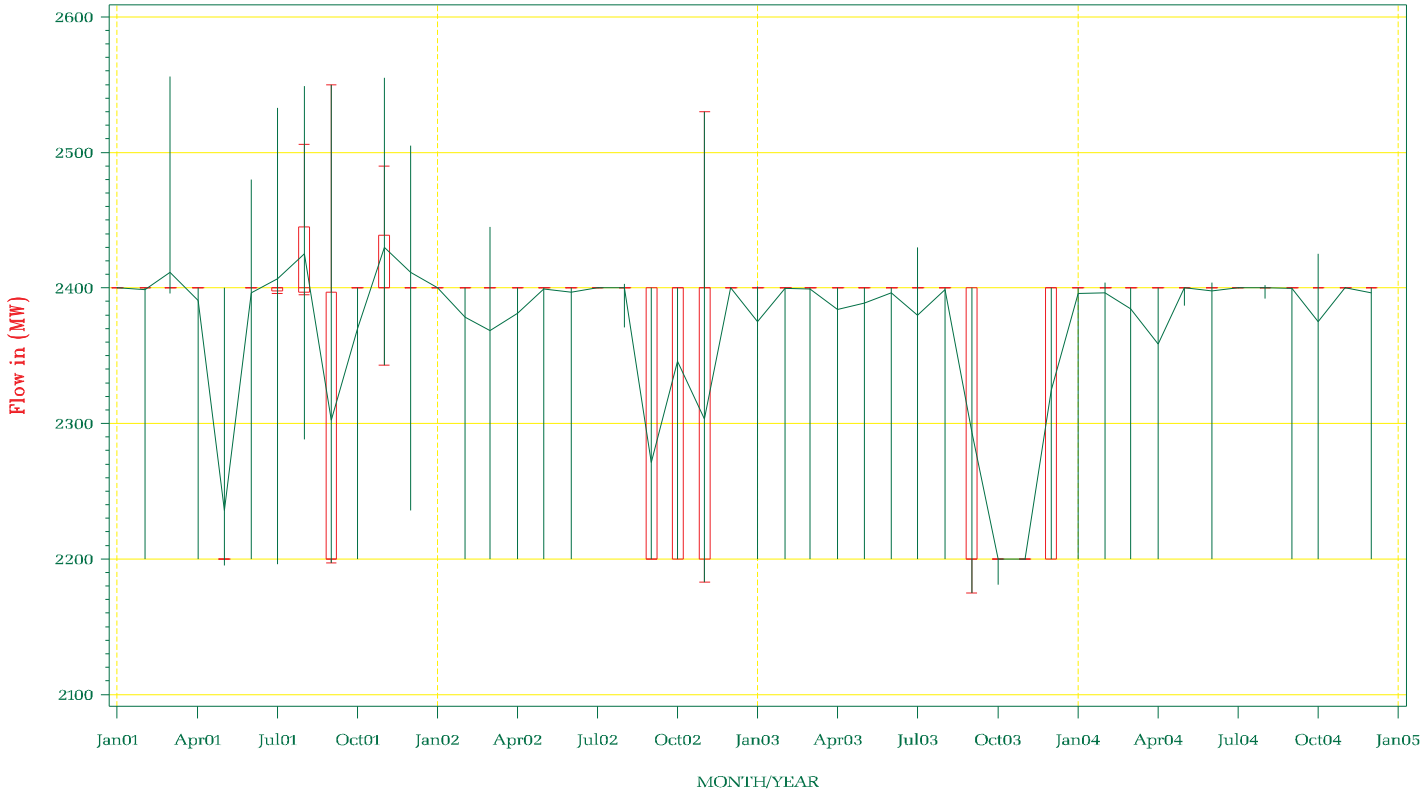
NYISO Percent of time Interface Flow For January 2001 – December 2004

Ontario – NY Limit



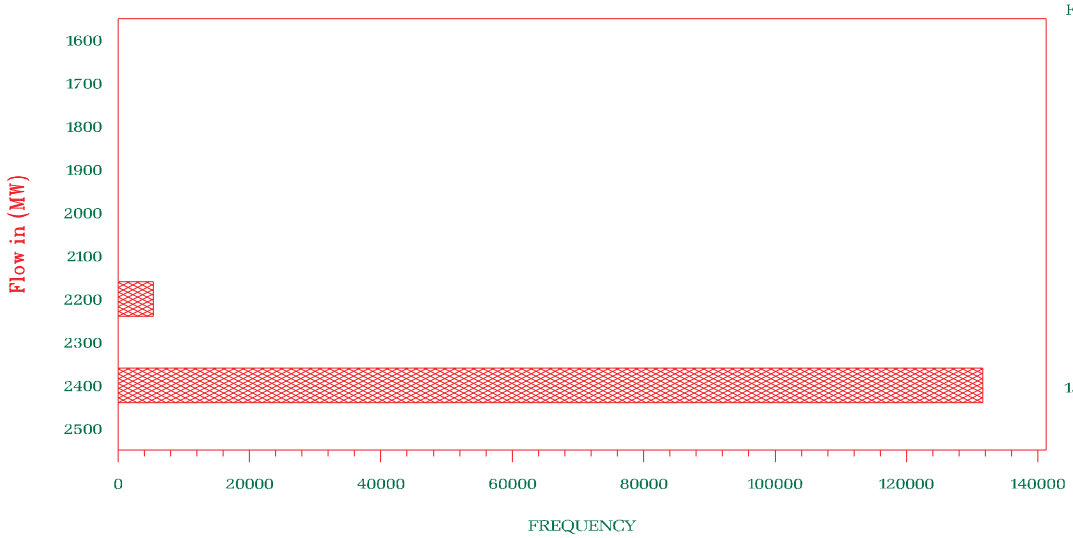
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Ontario – NY Limit



NYISO Frequency Interface Flow For January – December 2004

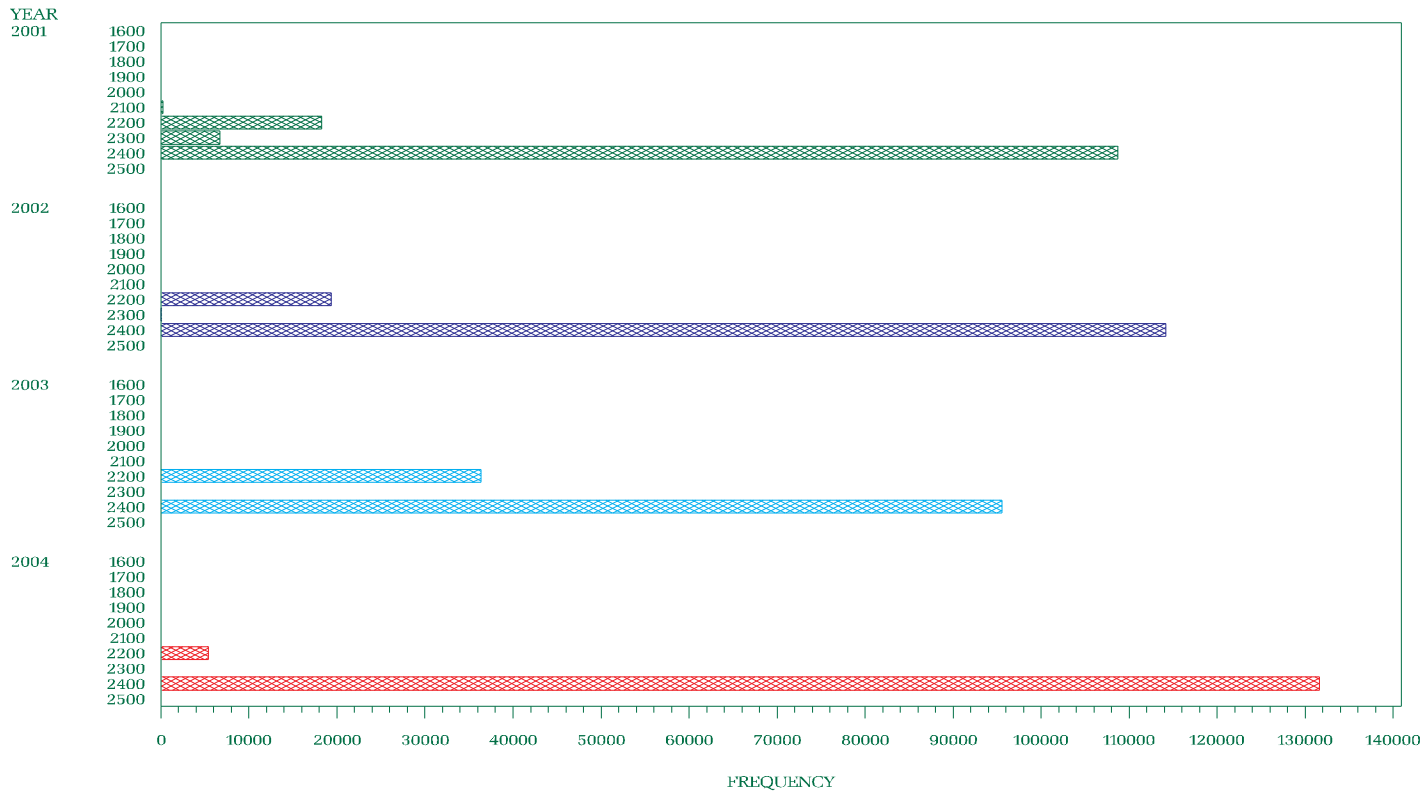
NY – Ontario Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1600	0	0	0.00	0.00
1700	0	0	0.00	0.00
1800	0	0	0.00	0.00
1900	0	0	0.00	0.00
2000	0	0	0.00	0.00
2100	0	0	0.00	0.00
2200	5377	5377	3.93	3.93
2300	0	5377	0.00	3.93
2400	131602	136979	96.07	100.00
2500	0	136979	0.00	100.00

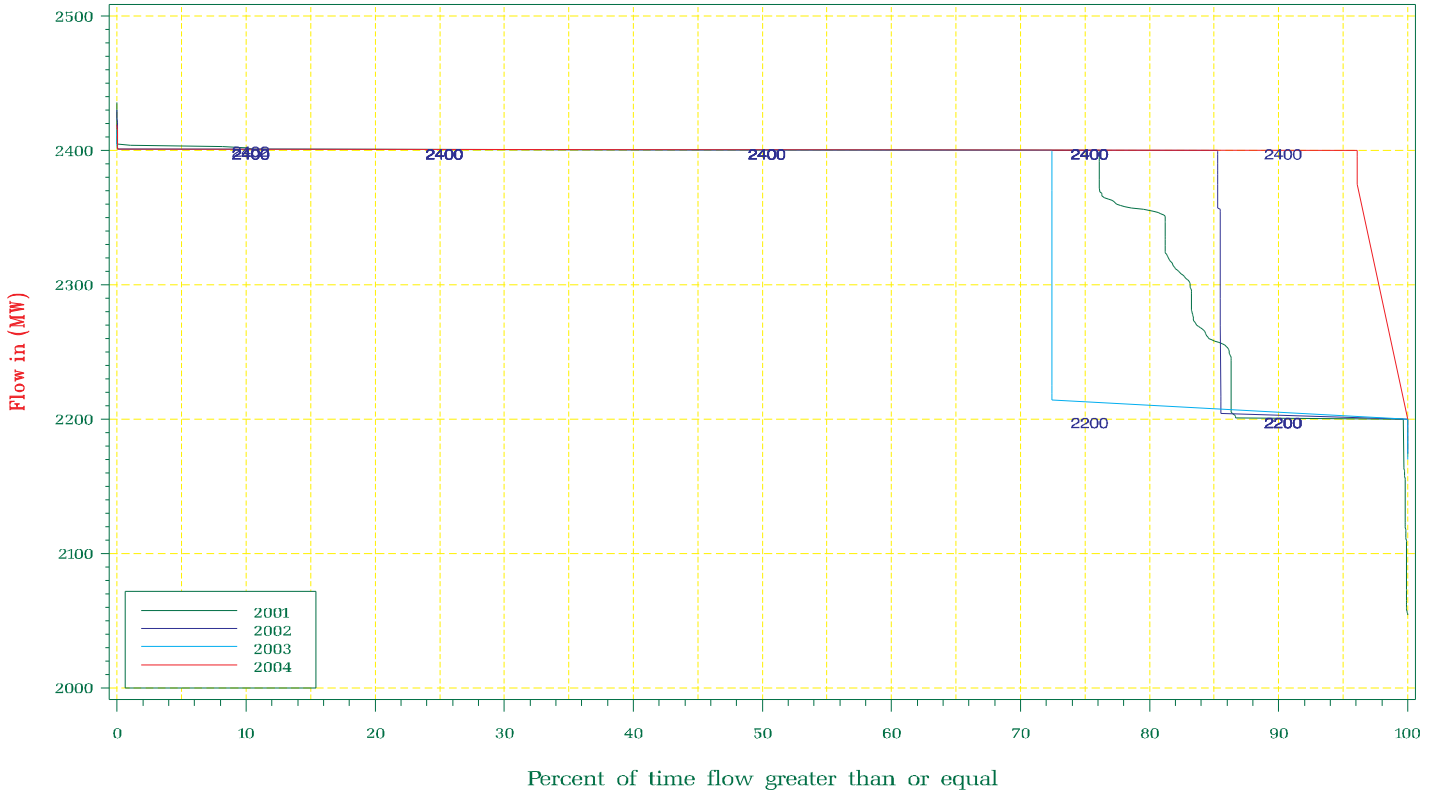
NYISO Frequency Interface Flow For January 2001 – December 2004

NY – Ontario Limit



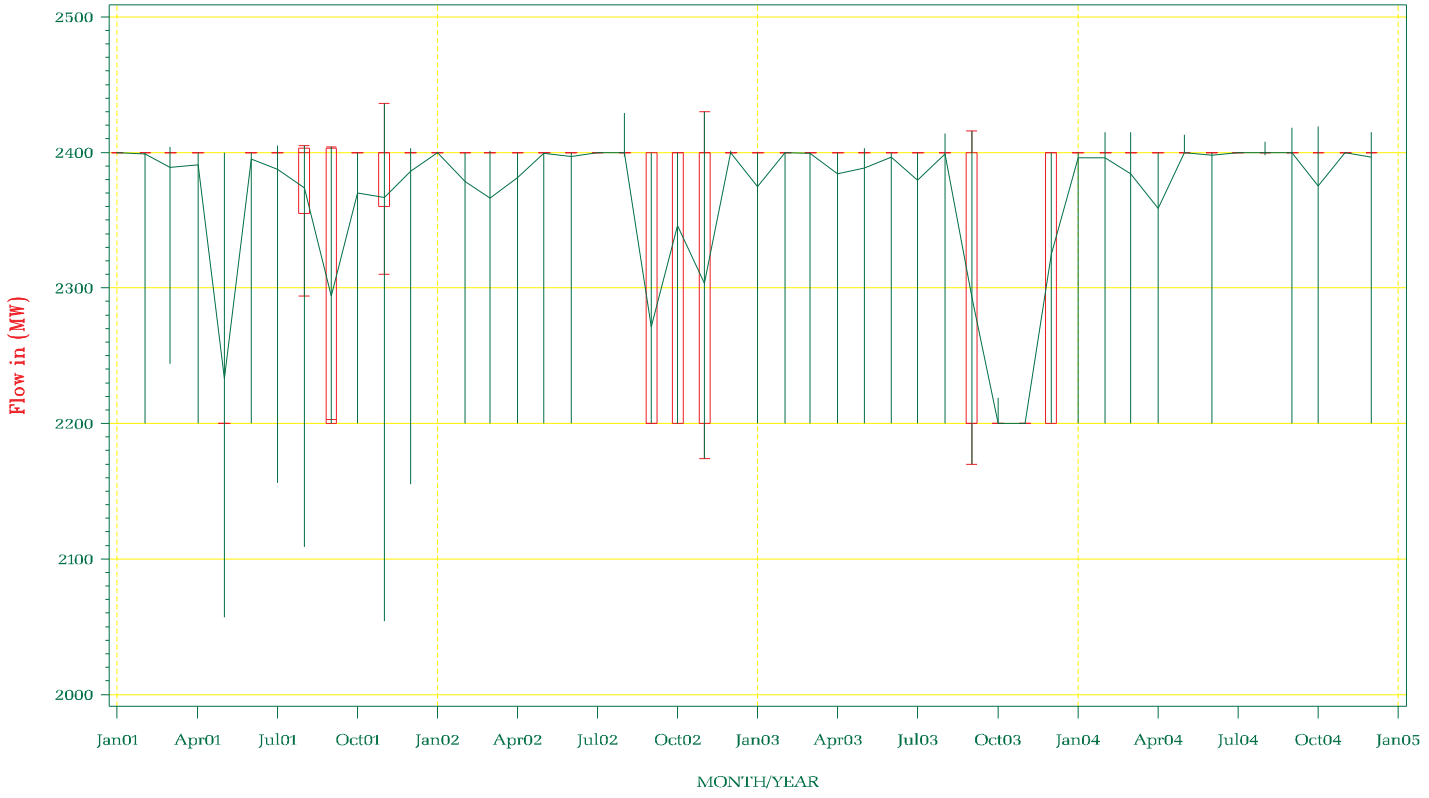
NYISO Percent of time Interface Flow For January 2001 – December 2004

NY – Ontario Limit



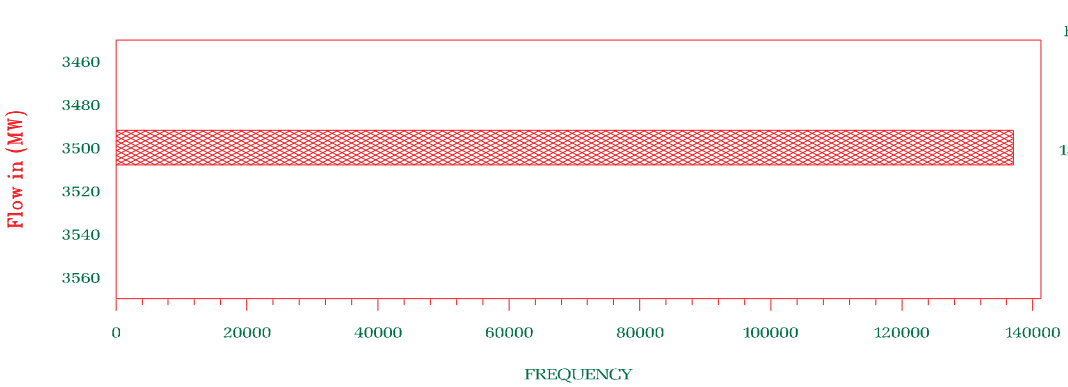
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

NY – Ontario Limit



NYISO Frequency Interface Flow For January – December 2004

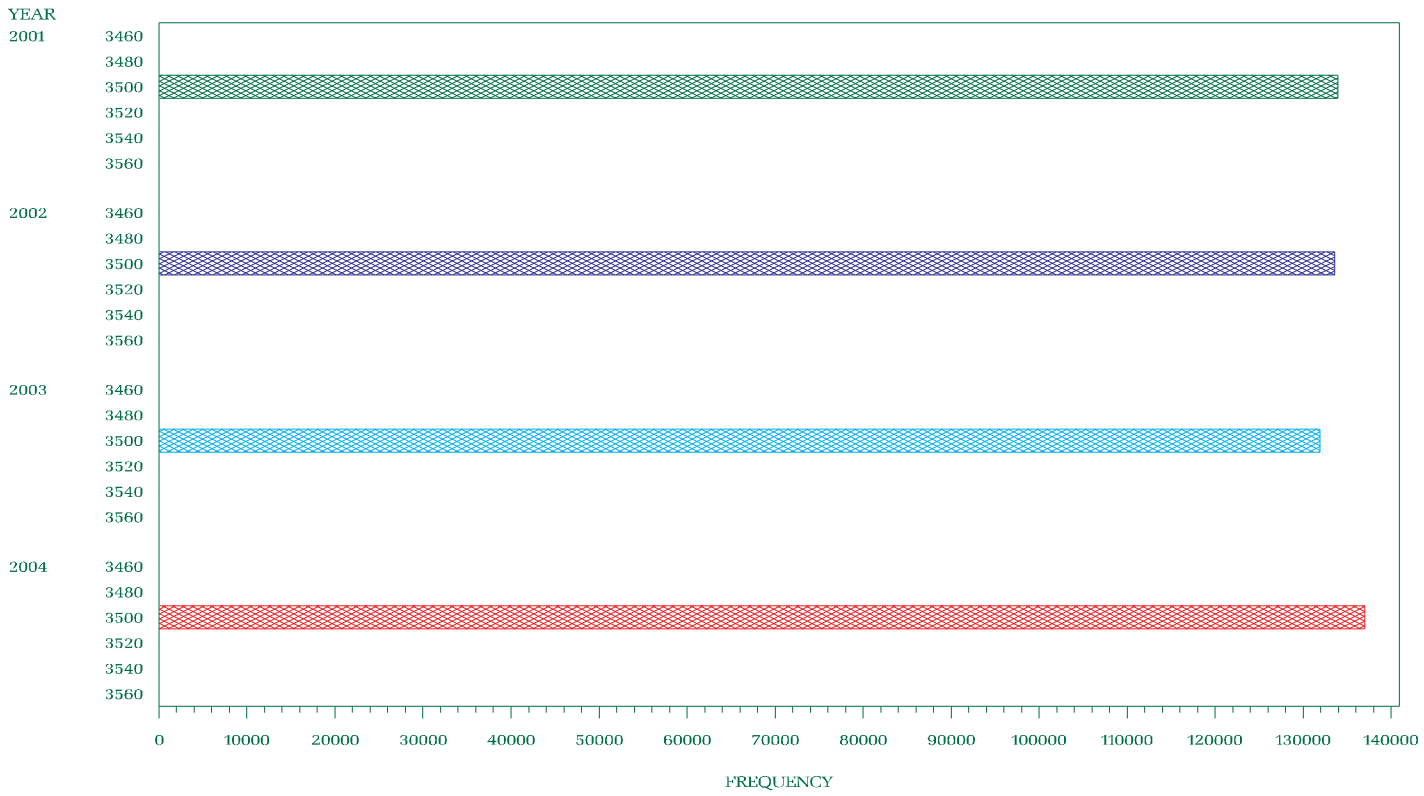
PJM – NY Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
3460	0	0	0	0
3480	0	0	0	0
3500	136979	136979	100	100
3520	0	136979	0	100
3540	0	136979	0	100
3560	0	136979	0	100

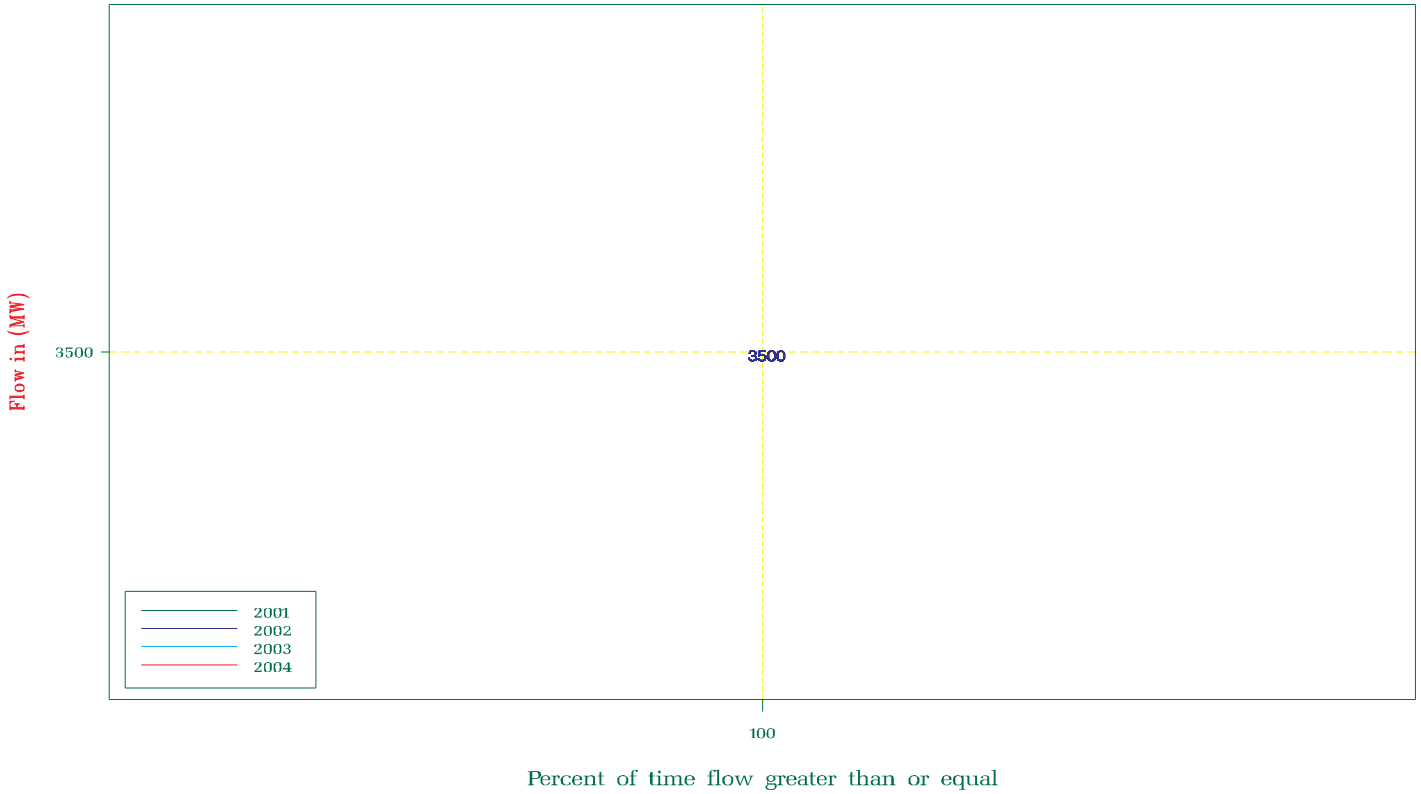
NYISO Frequency Interface Flow For January 2001 – December 2004

PJM – NY Limit



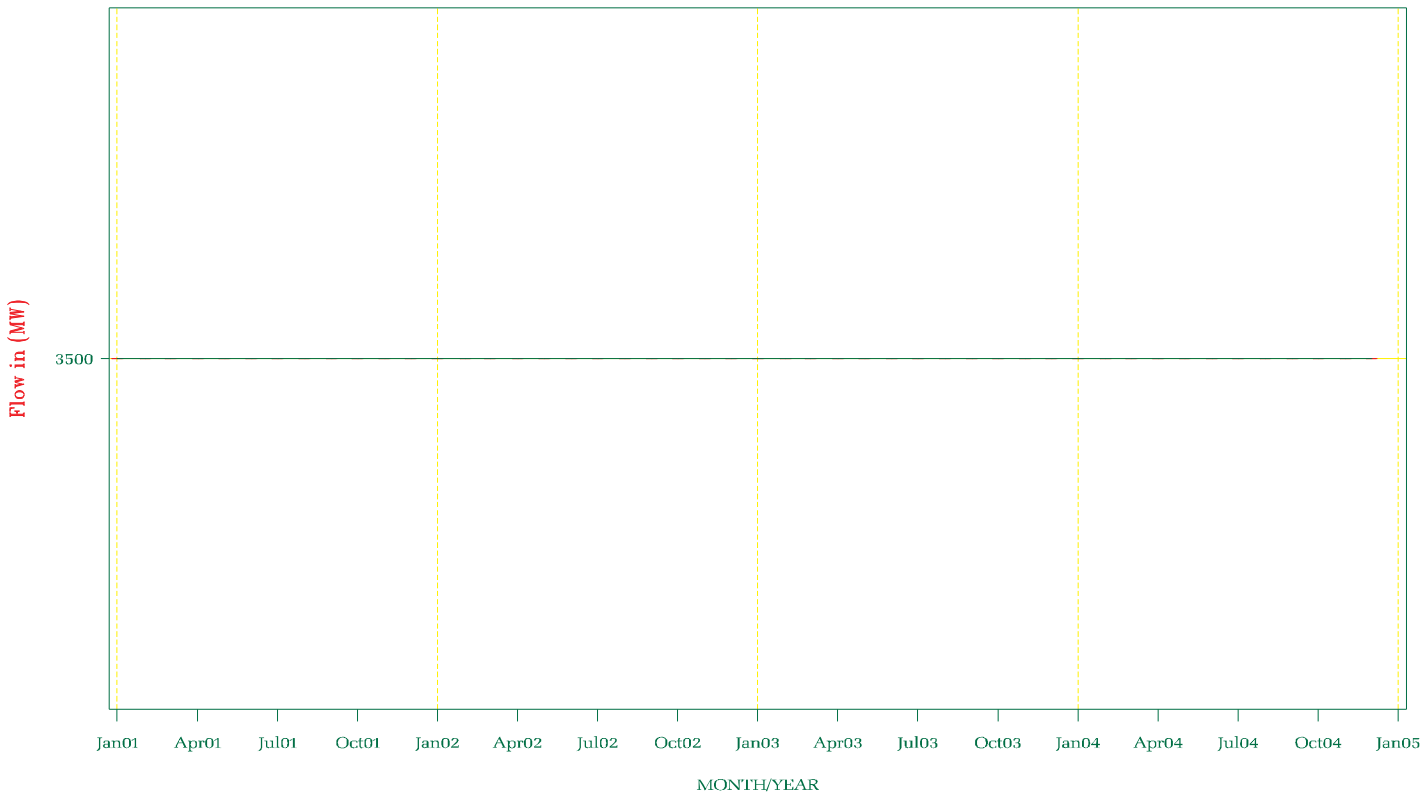
NYISO Percent of time Interface Flow For January 2001 – December 2004

PJM – NY Limit



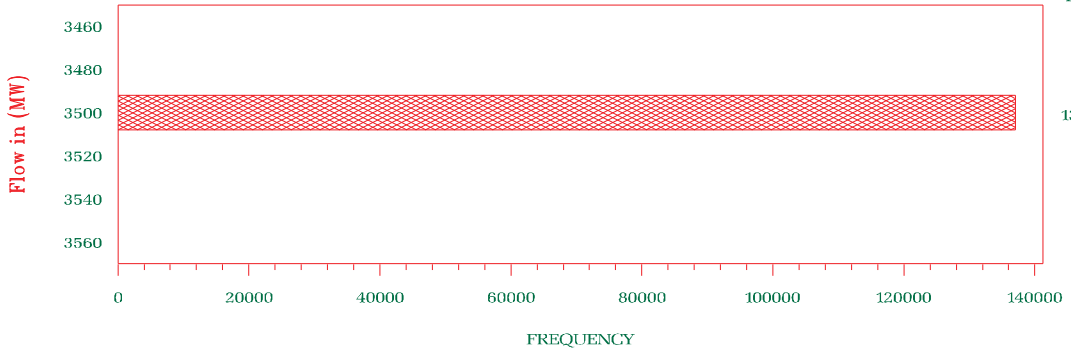
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

PJM – NY Limit



NYISO Frequency Interface Flow For January – December 2004

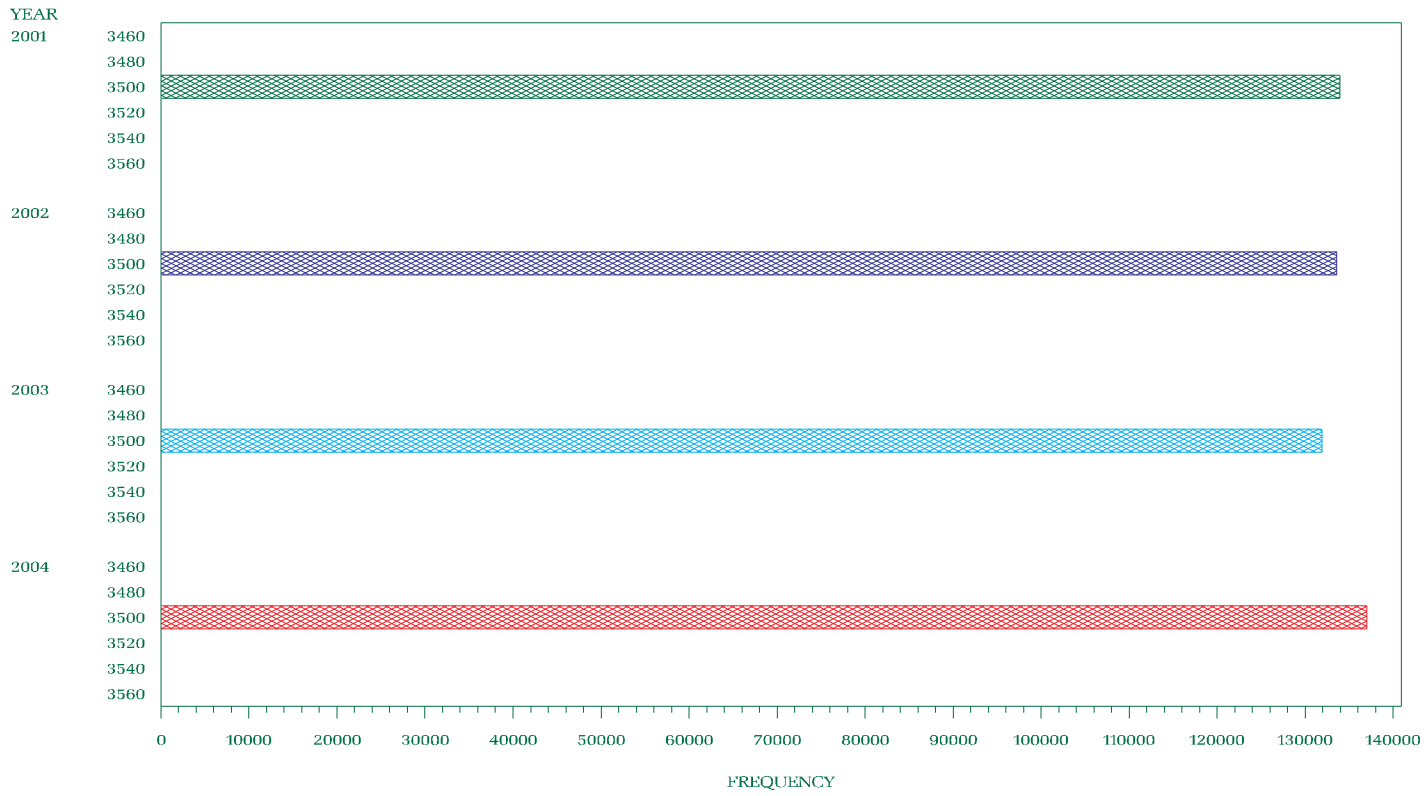
NY – PJM Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
3460	0	0	0	0
3480	0	0	0	0
3500	136979	136979	100	100
3520	0	136979	0	100
3540	0	136979	0	100
3560	0	136979	0	100

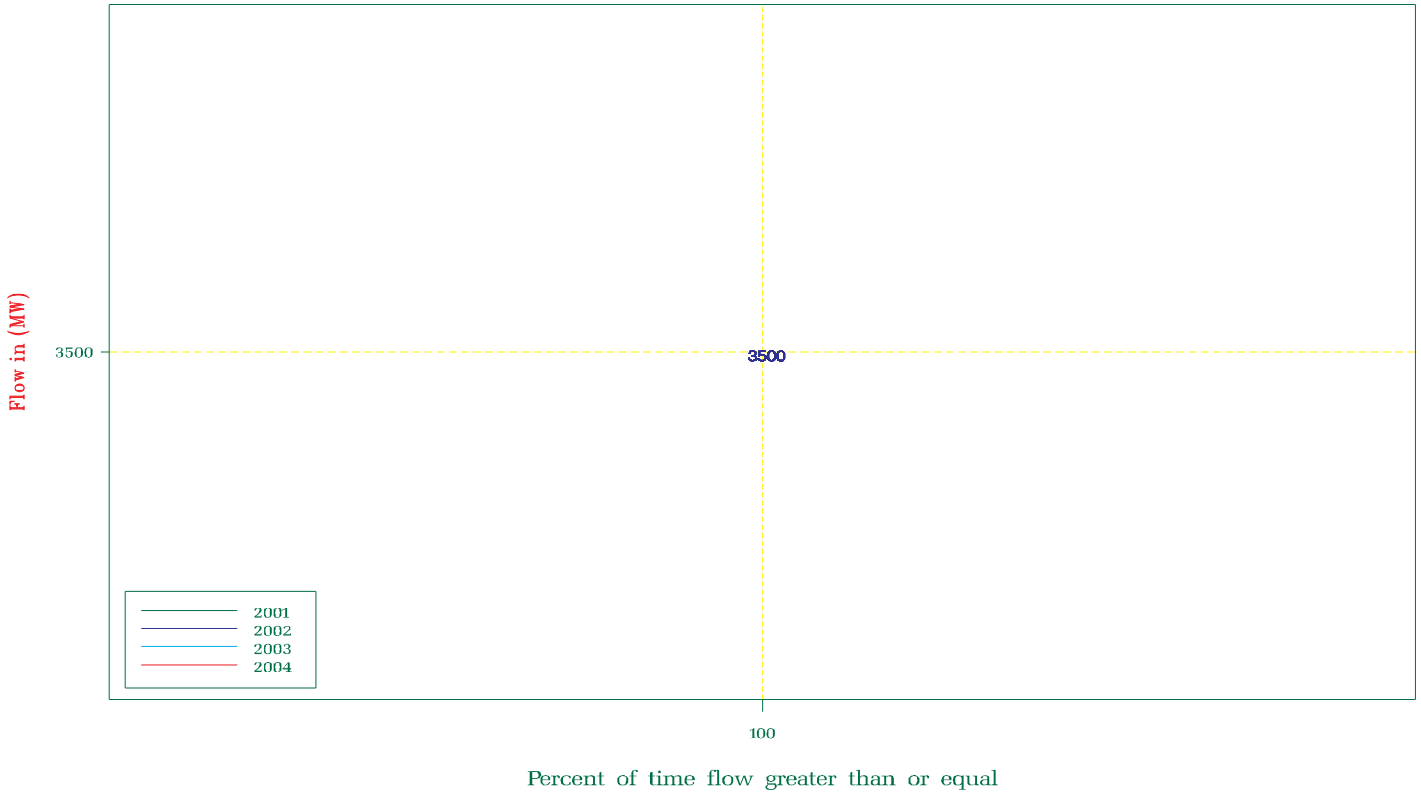
NYISO Frequency Interface Flow For January 2001 – December 2004

NY – PJM Limit



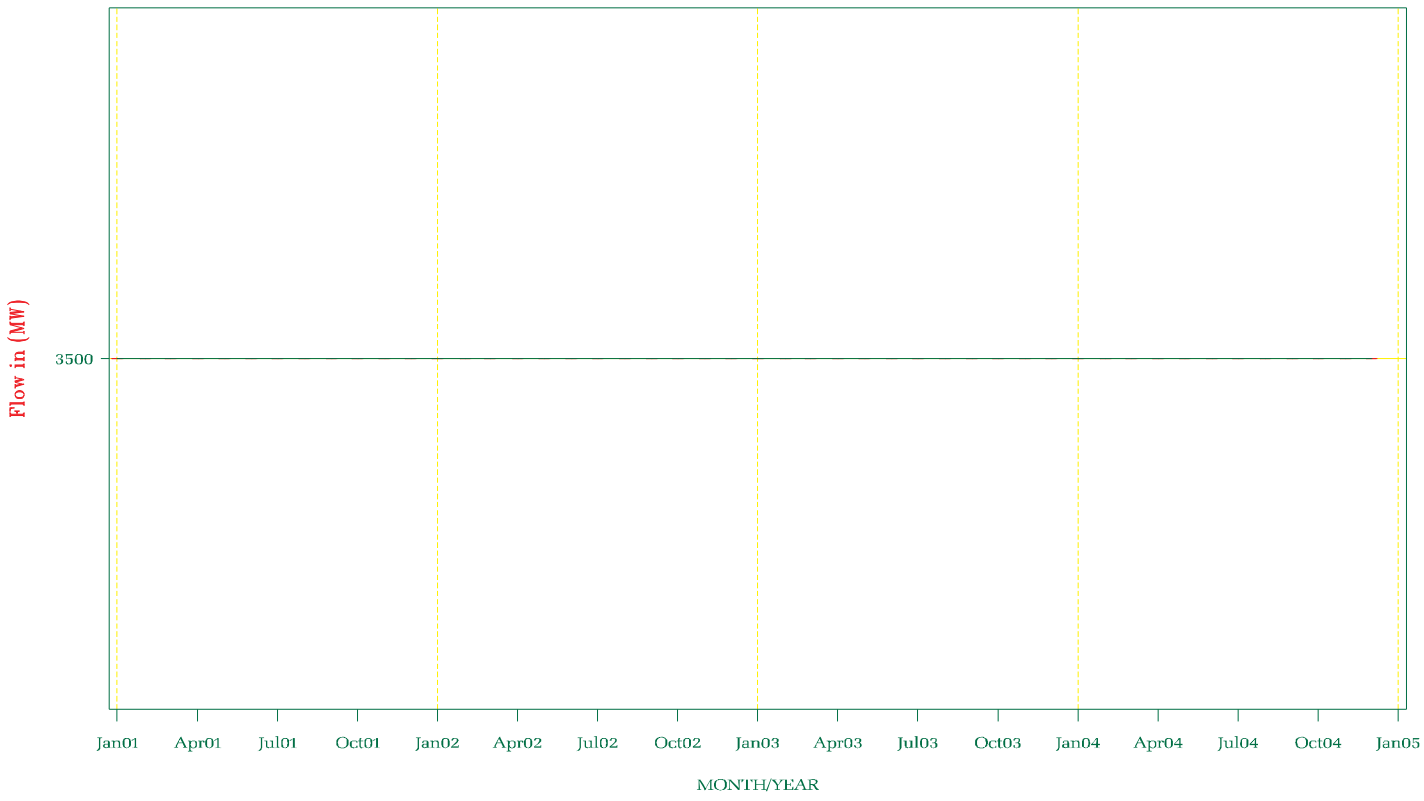
NYISO Percent of time Interface Flow For January 2001 – December 2004

NY – PJM Limit



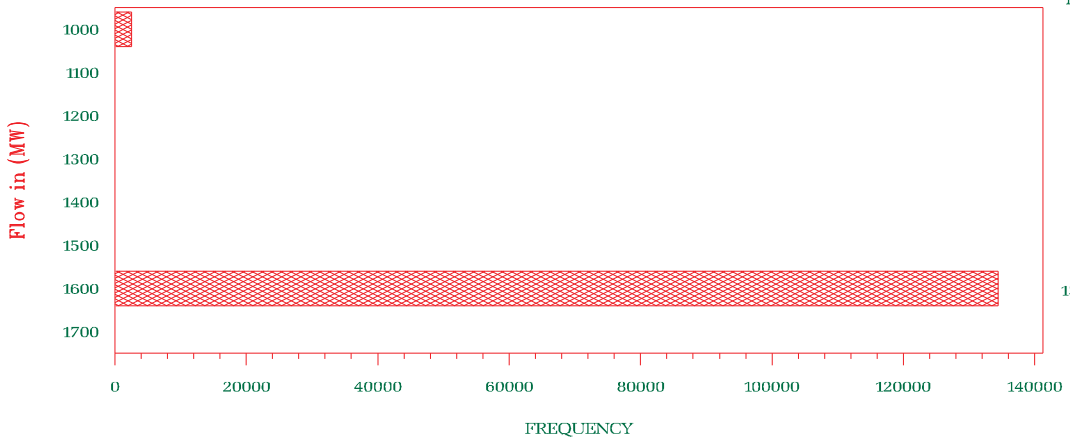
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

NY – PJM Limit



NYISO Frequency Interface Flow For January – December 2004

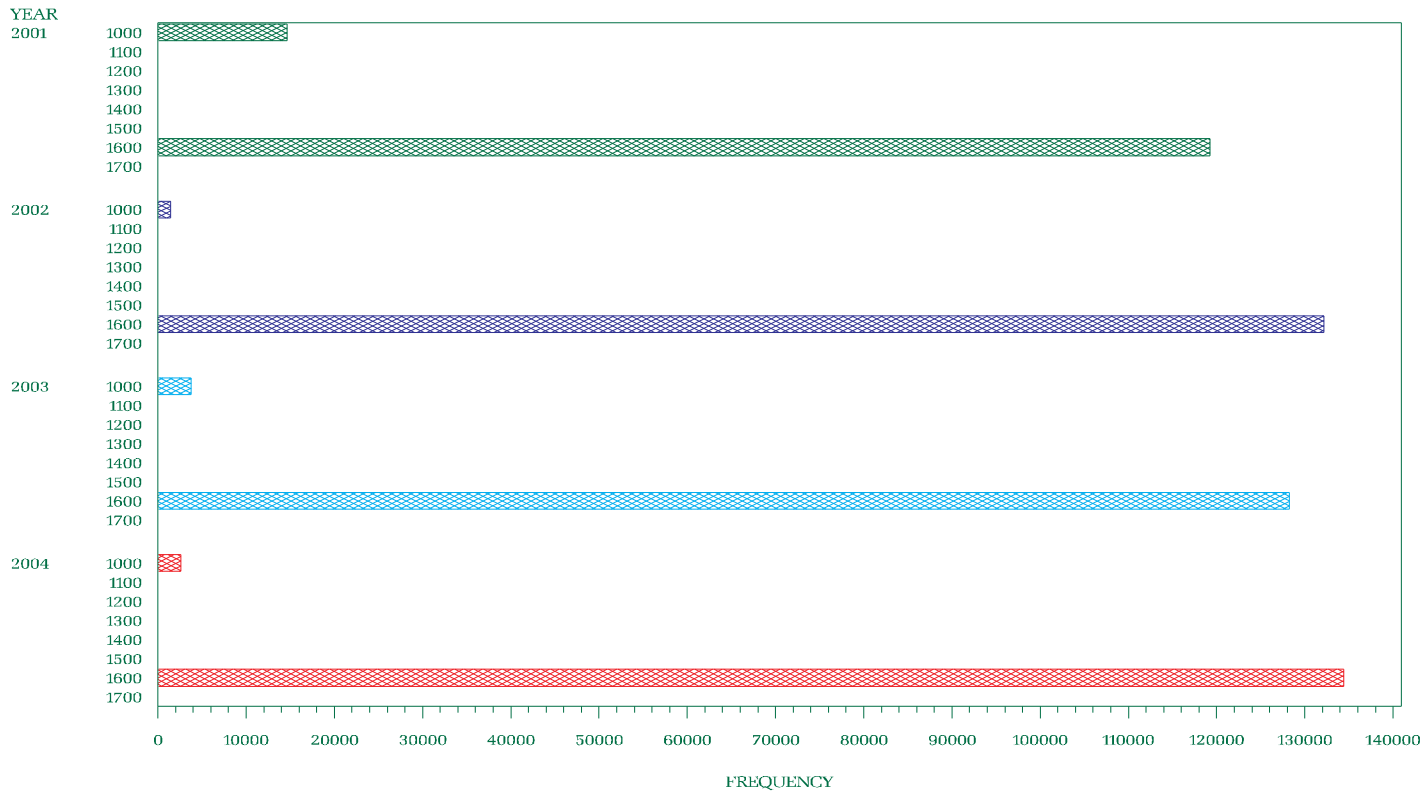
NE – NY Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	2599	2599	1.9	1.9
1100	0	2599	0.0	1.9
1200	0	2599	0.0	1.9
1300	0	2599	0.0	1.9
1400	0	2599	0.0	1.9
1500	0	2599	0.0	1.9
1600	134380	136979	98.1	100.0
1700	0	136979	0.0	100.0

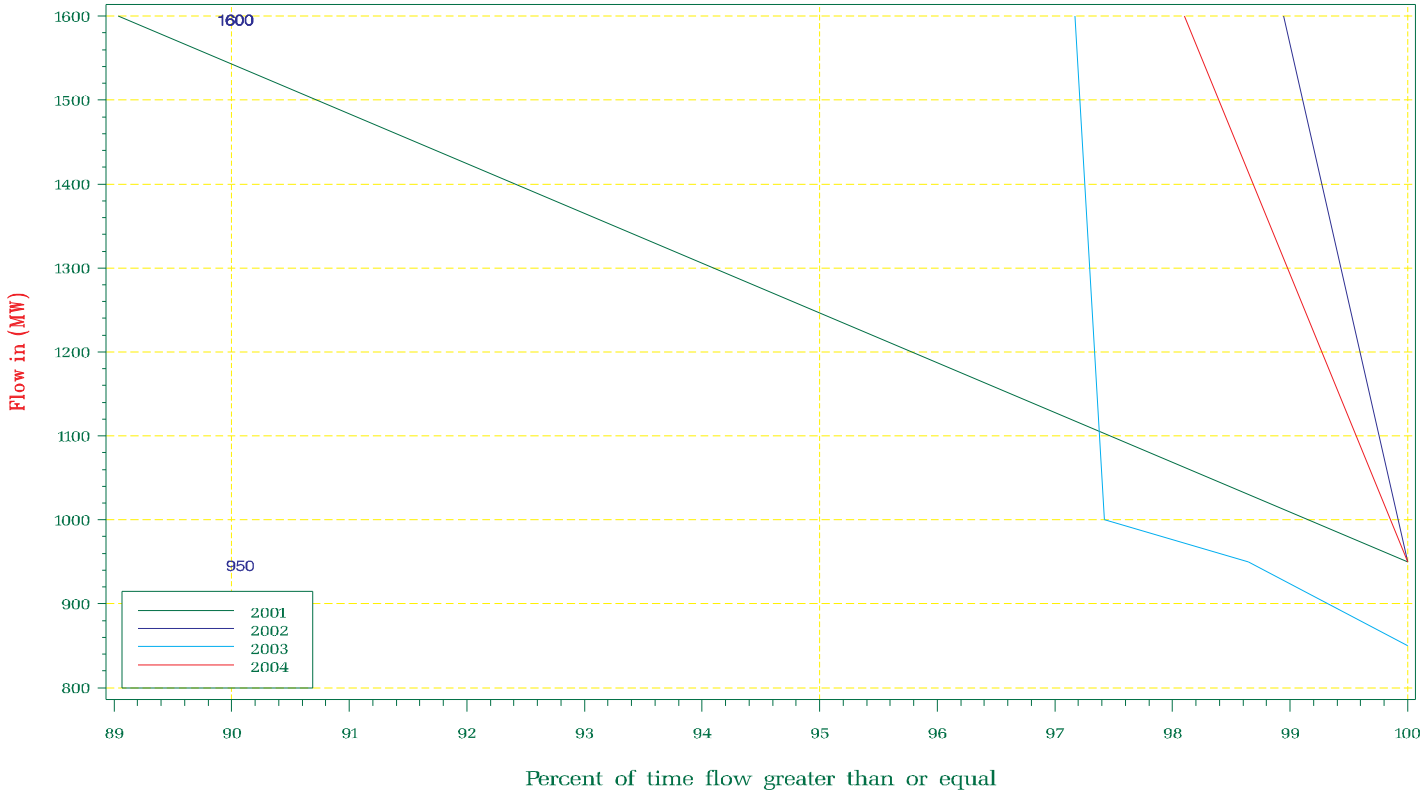
NYISO Frequency Interface Flow For January 2001 – December 2004

NE – NY Limit



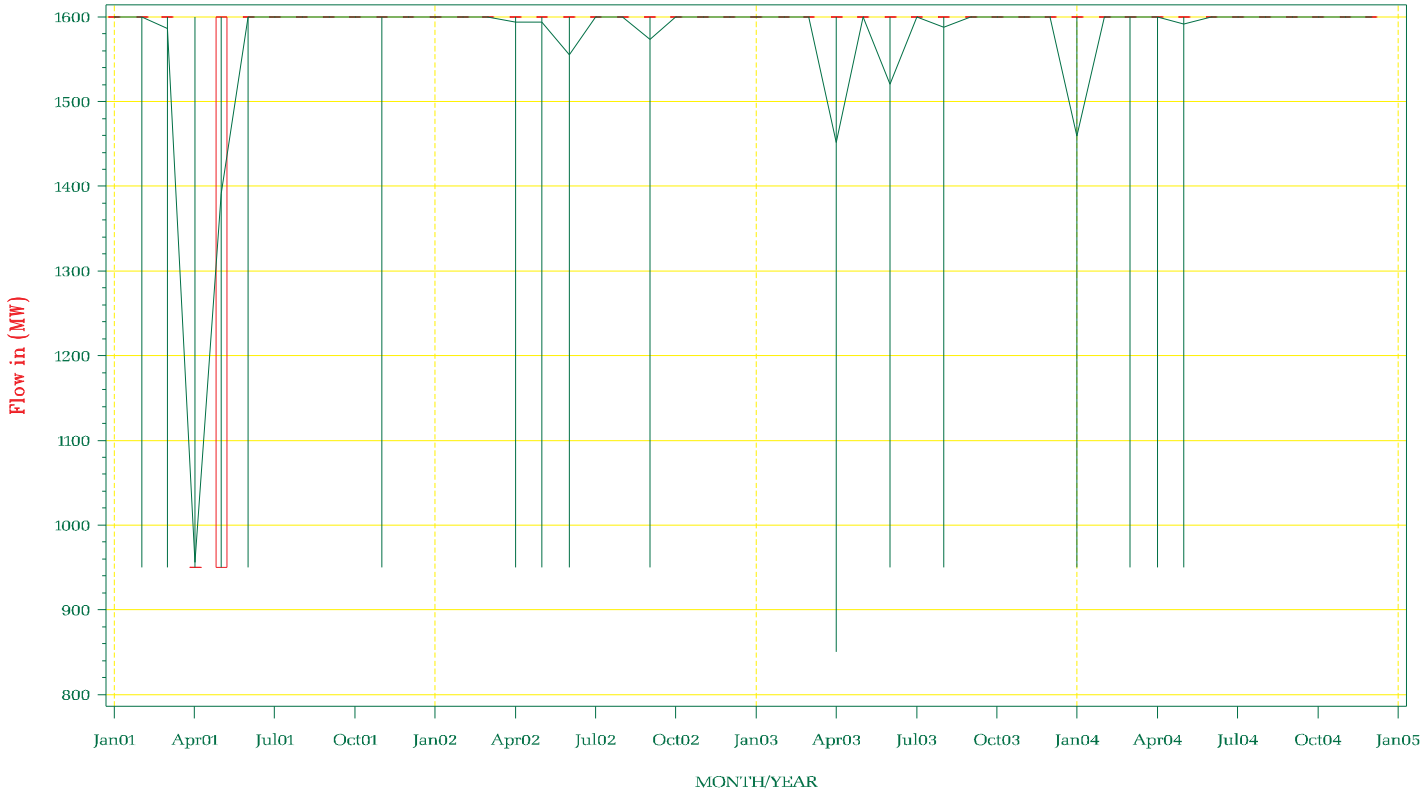
NYISO Percent of time Interface Flow For January 2001 – December 2004

NE – NY Limit



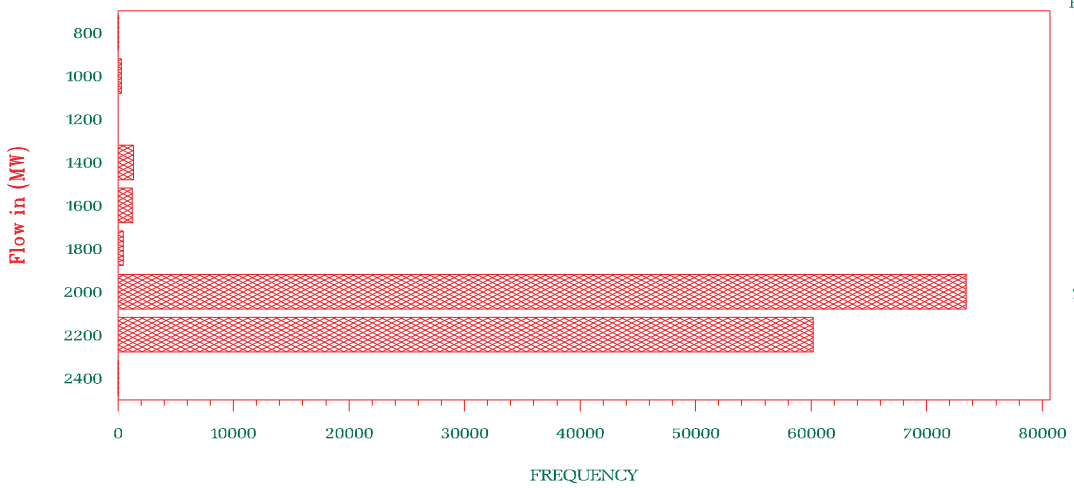
NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

NE – NY Limit



NYISO Frequency Interface Flow For January – December 2004

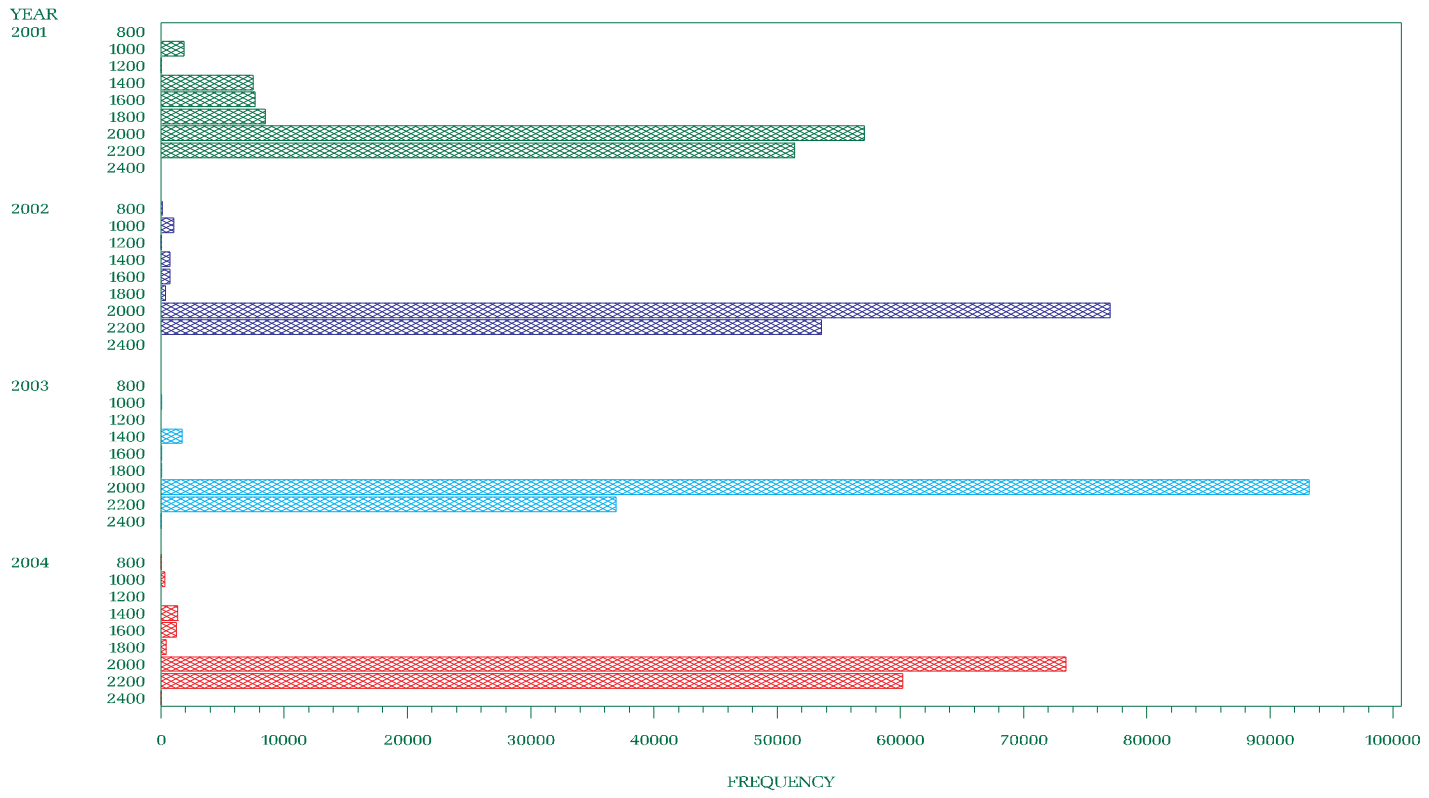
NY – NE Limit



	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
800	1	1	0.00	0.00
1000	300	301	0.22	0.22
1200	0	301	0.00	0.22
1400	1352	1653	0.99	1.21
1600	1254	2907	0.92	2.12
1800	442	3349	0.32	2.44
2000	73442	76791	53.62	56.06
2200	60187	136978	43.94	100.00
2400	1	136979	0.00	100.00

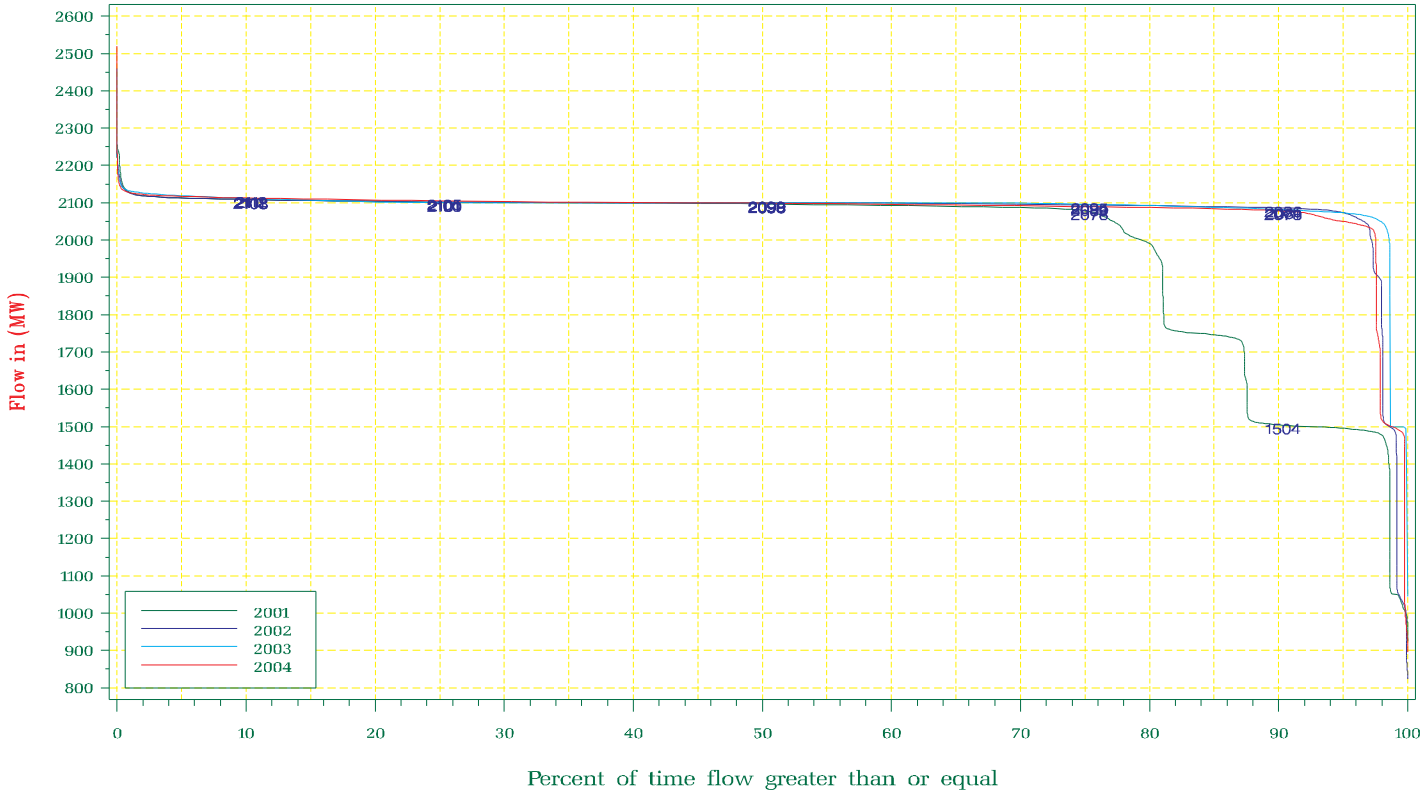
NYISO Frequency Interface Flow For January 2001 – December 2004

NY – NE Limit



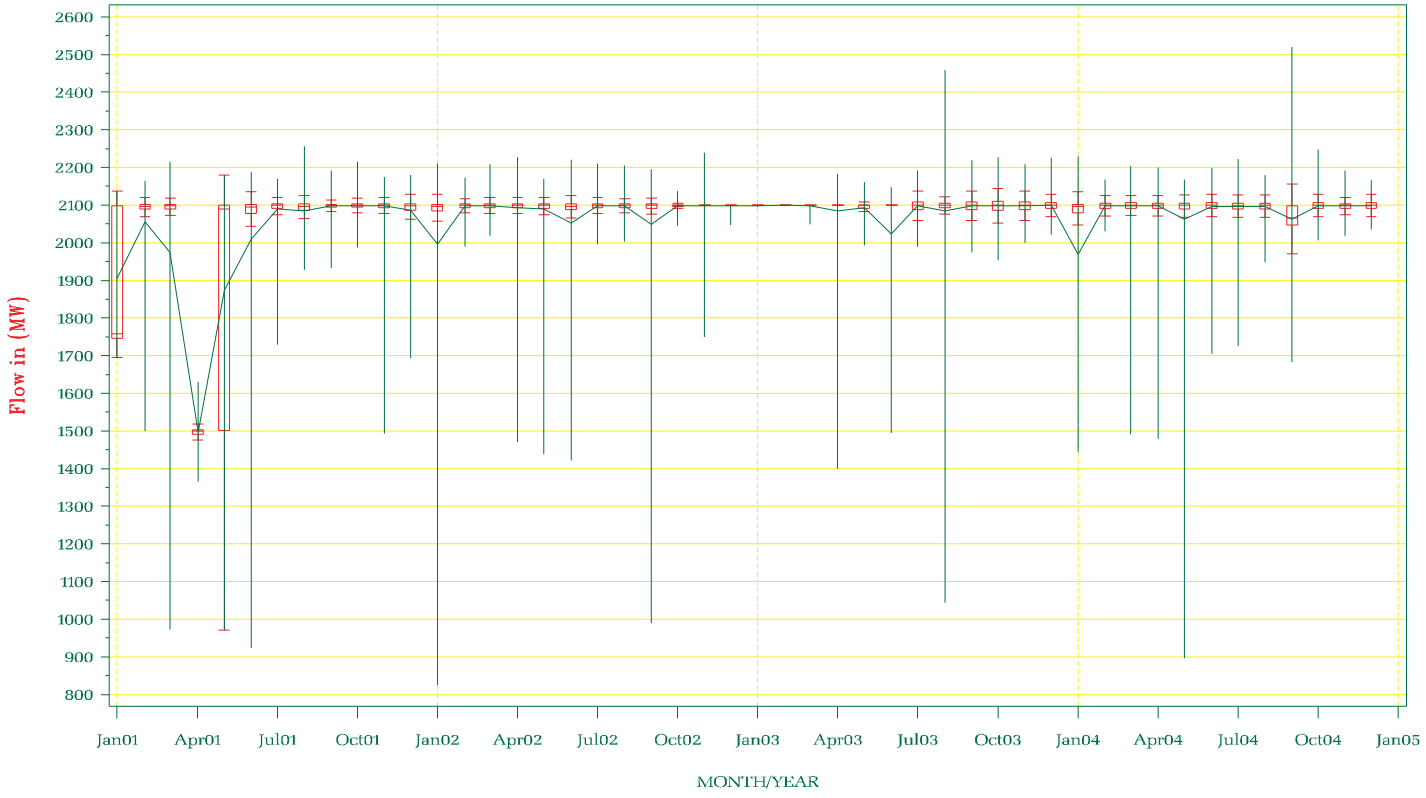
NYISO Percent of time Interface Flow For January 2001 – December 2004

NY – NE Limit



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

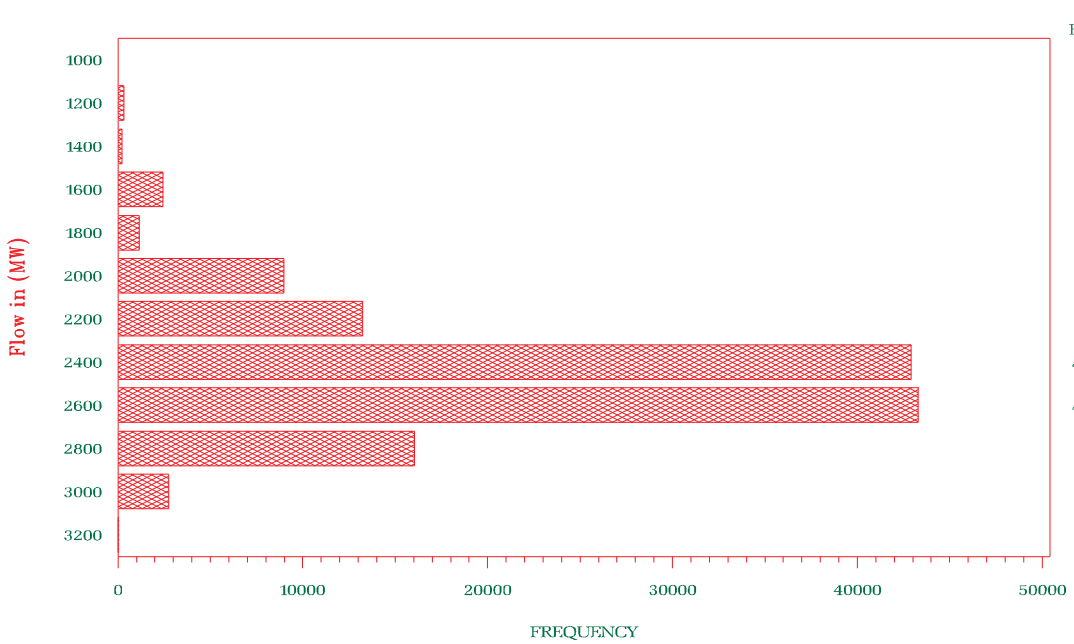
NY – NE Limit



NYISO Frequency Interface Flow For January – December 2004

Central East Pre – Contingency Voltage Collapse Limit

l/o New England Generation

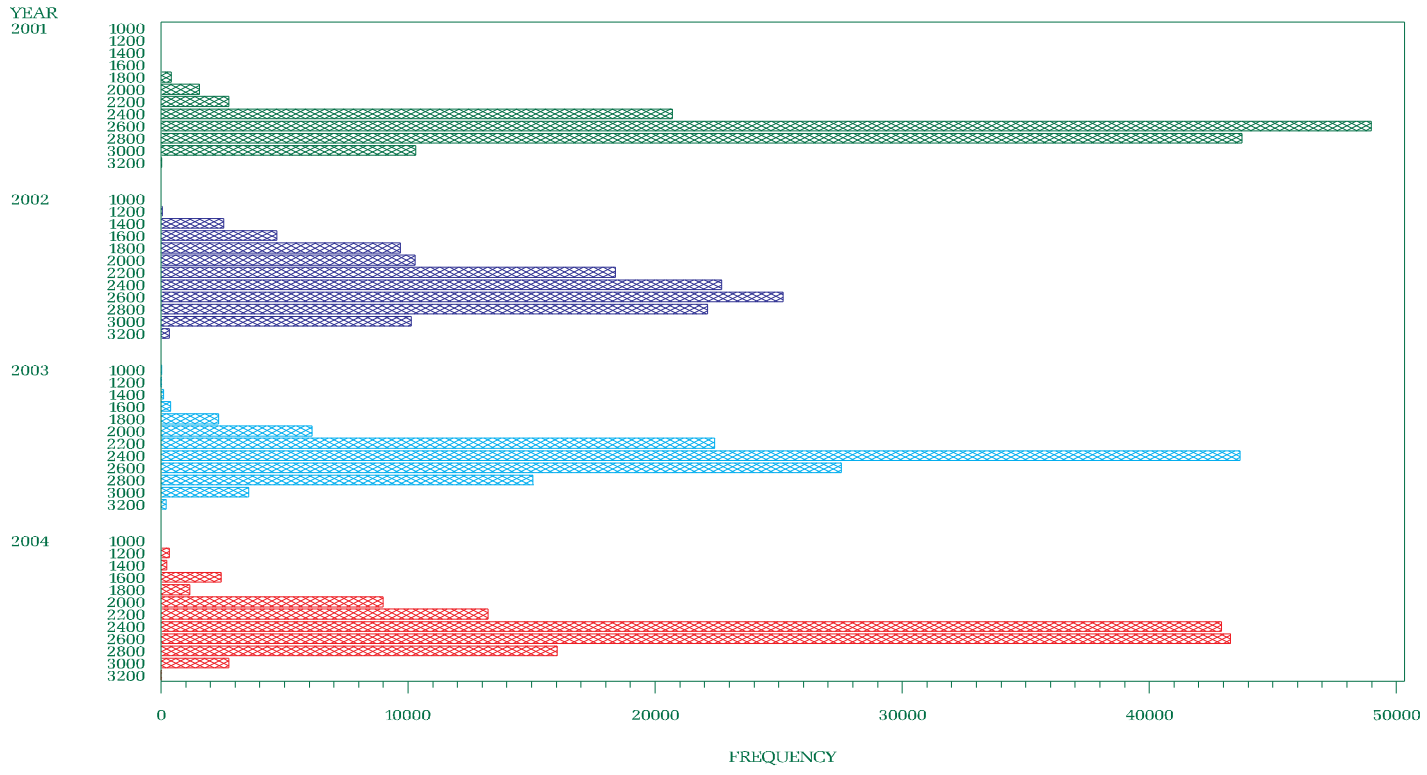


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	0	0	0.00	0.00
1200	328	328	0.25	0.25
1400	223	551	0.17	0.42
1600	2428	2979	1.85	2.27
1800	1170	4149	0.89	3.16
2000	8981	13130	6.84	9.99
2200	13232	26362	10.07	20.07
2400	42925	69287	32.68	52.74
2600	43294	112581	32.96	85.70
2800	16026	128607	12.20	97.90
3000	2752	131359	2.09	99.99
3200	9	131368	0.01	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

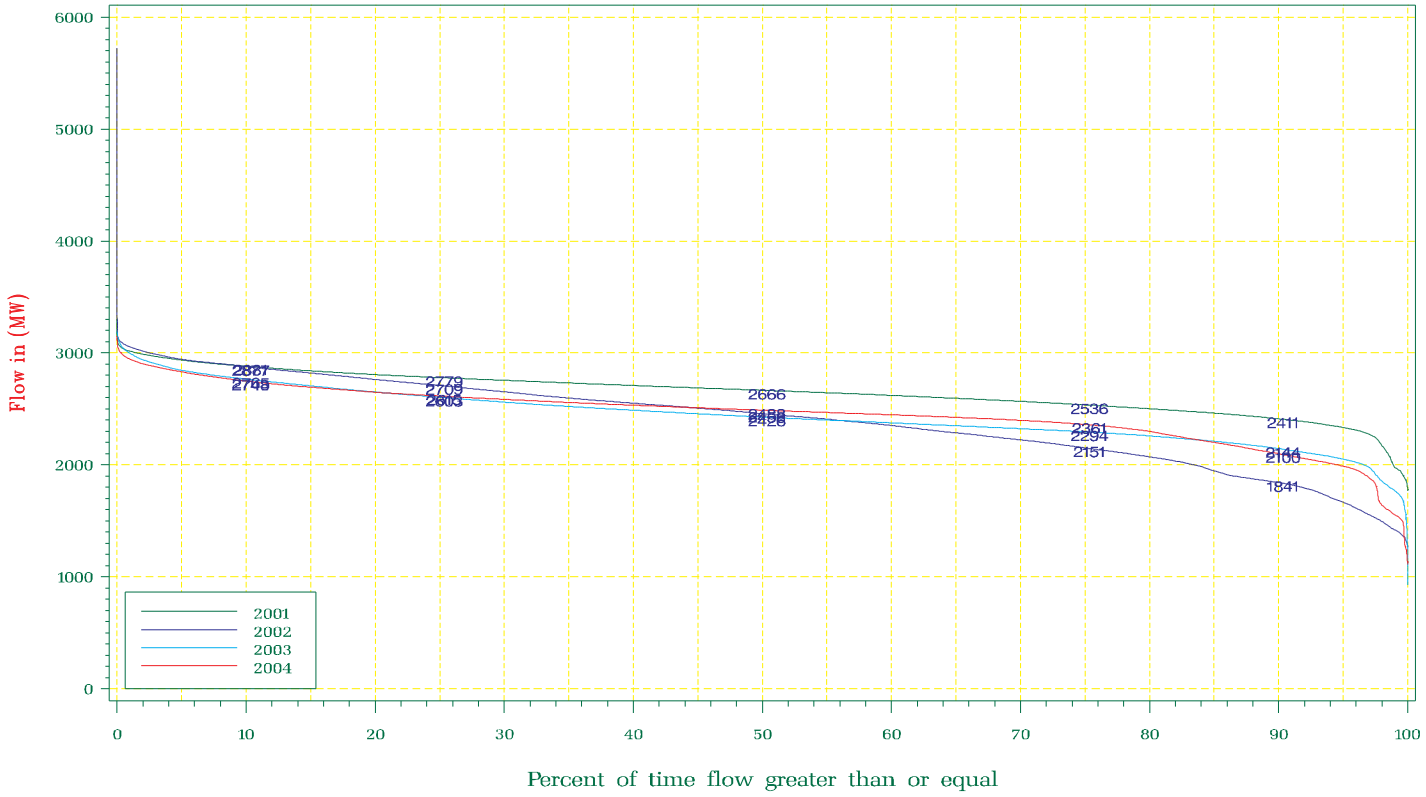
Central East Pre – Contingency Voltage Collapse Limit

l/o New England Generation



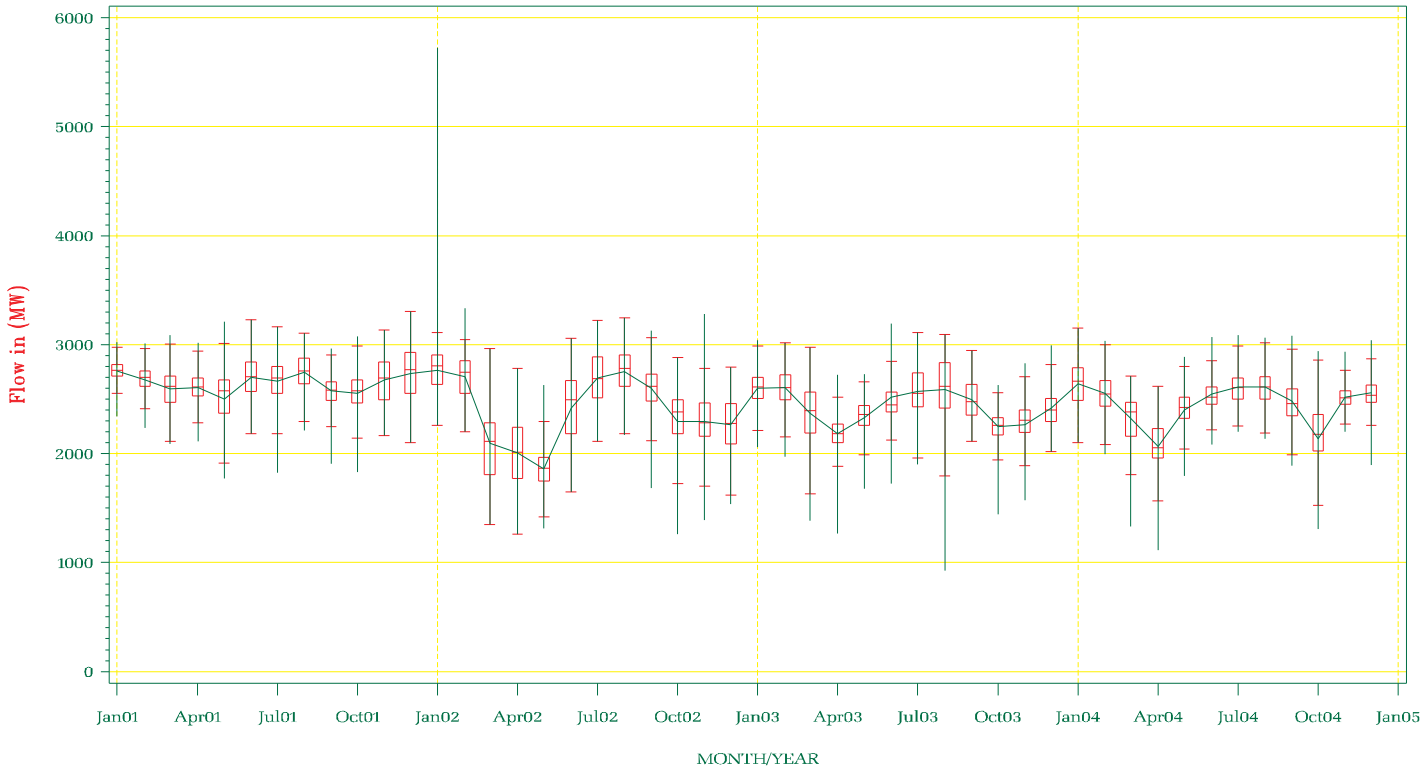
NYISO Percent of time Interface Flow For January 2001 – December 2004

Central East Pre – Contingency Voltage Collapse Limit
l/o New England Generation



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

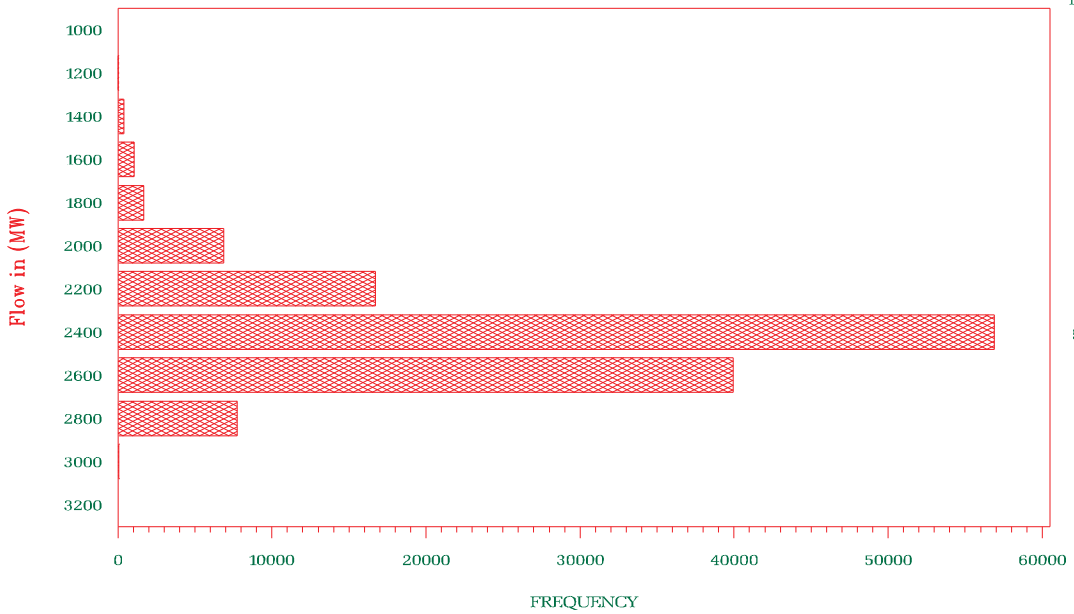
Central East Pre – Contingency Voltage Collapse Limit
l/o New England Generation



NYISO Frequency Interface Flow For January – December 2004

Central East Pre–Contingency Voltage Collapse Limit

l/o Marcy South Tower

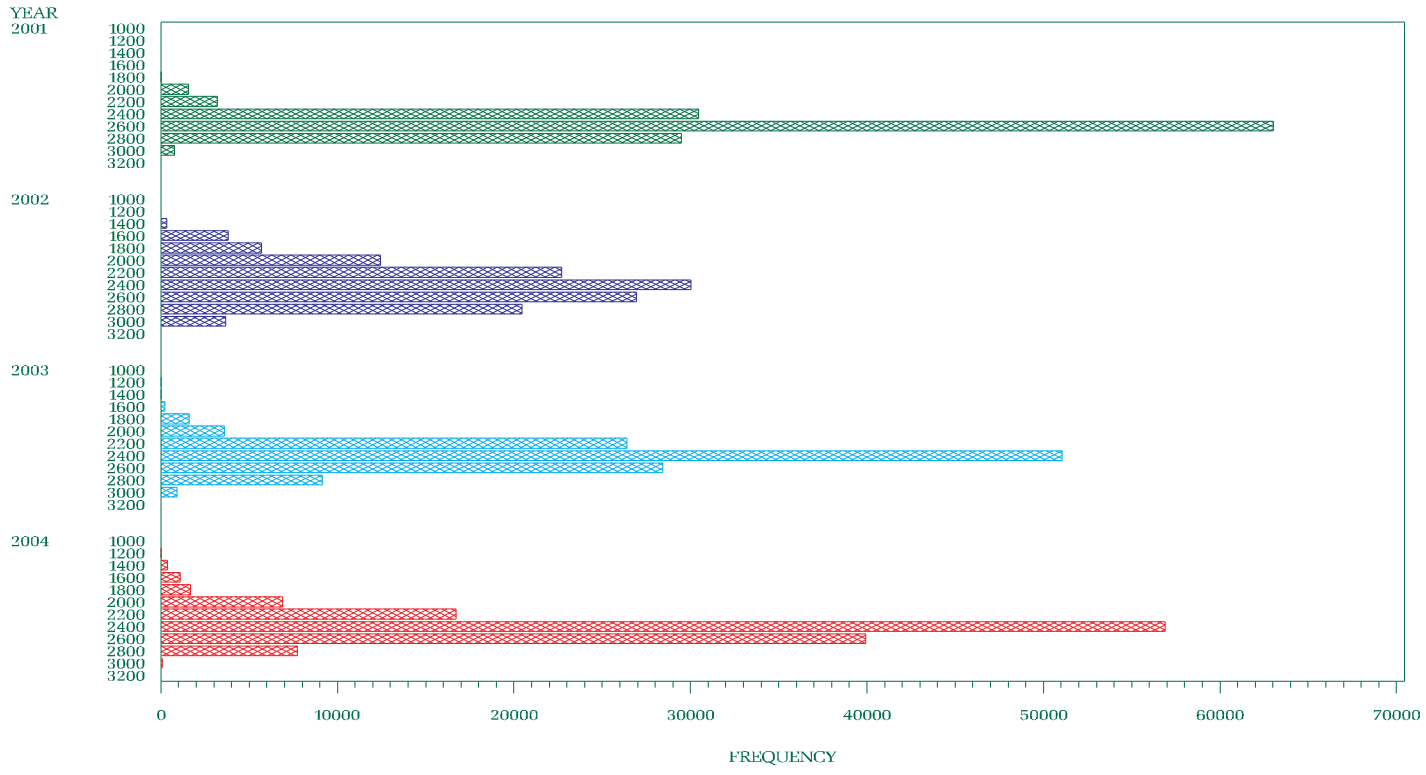


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	0	0	0.00	0.00
1200	15	15	0.01	0.01
1400	372	387	0.28	0.29
1600	1074	1461	0.82	1.11
1800	1664	3125	1.27	2.38
2000	6882	10007	5.24	7.62
2200	16728	26735	12.73	20.35
2400	56889	83624	43.31	63.66
2600	39941	123565	30.40	94.06
2800	7741	131306	5.89	99.95
3000	62	131368	0.05	100.00
3200	0	131368	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

Central East Pre–Contingency Voltage Collapse Limit

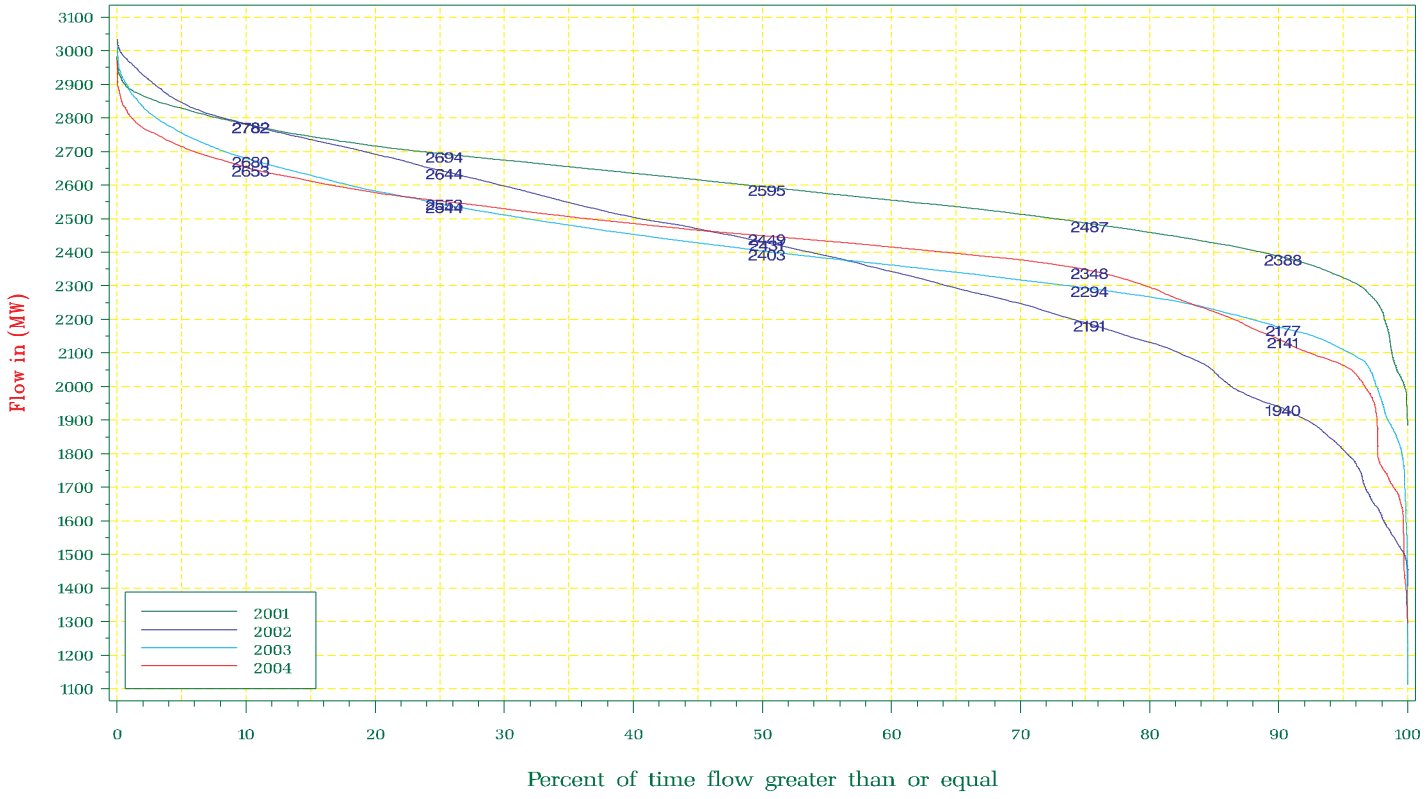
l/o Marcy South Tower



NYISO Percent of time Interface Flow For January 2001 – December 2004

Central East Pre–Contingency Voltage Collapse Limit

l/o Marcy South Tower



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

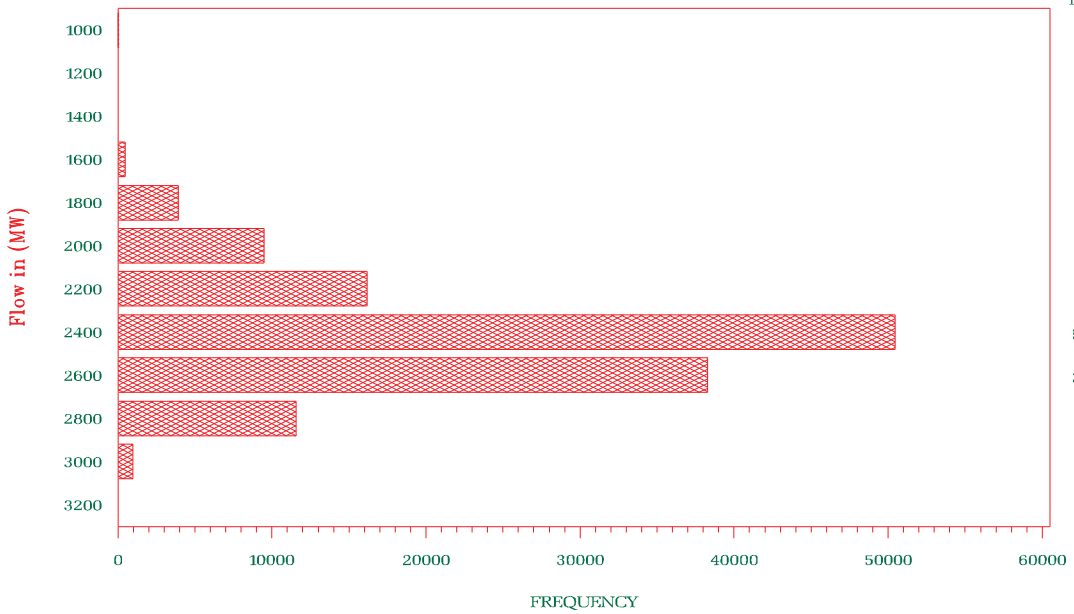
Central East Pre–Contingency Voltage Collapse Limit

l/o Marcy South Tower

NYISO Frequency Interface Flow For January – December 2004

Central East Pre – Contingency Voltage Collapse Limit

l/o New Scotland 99 Bus

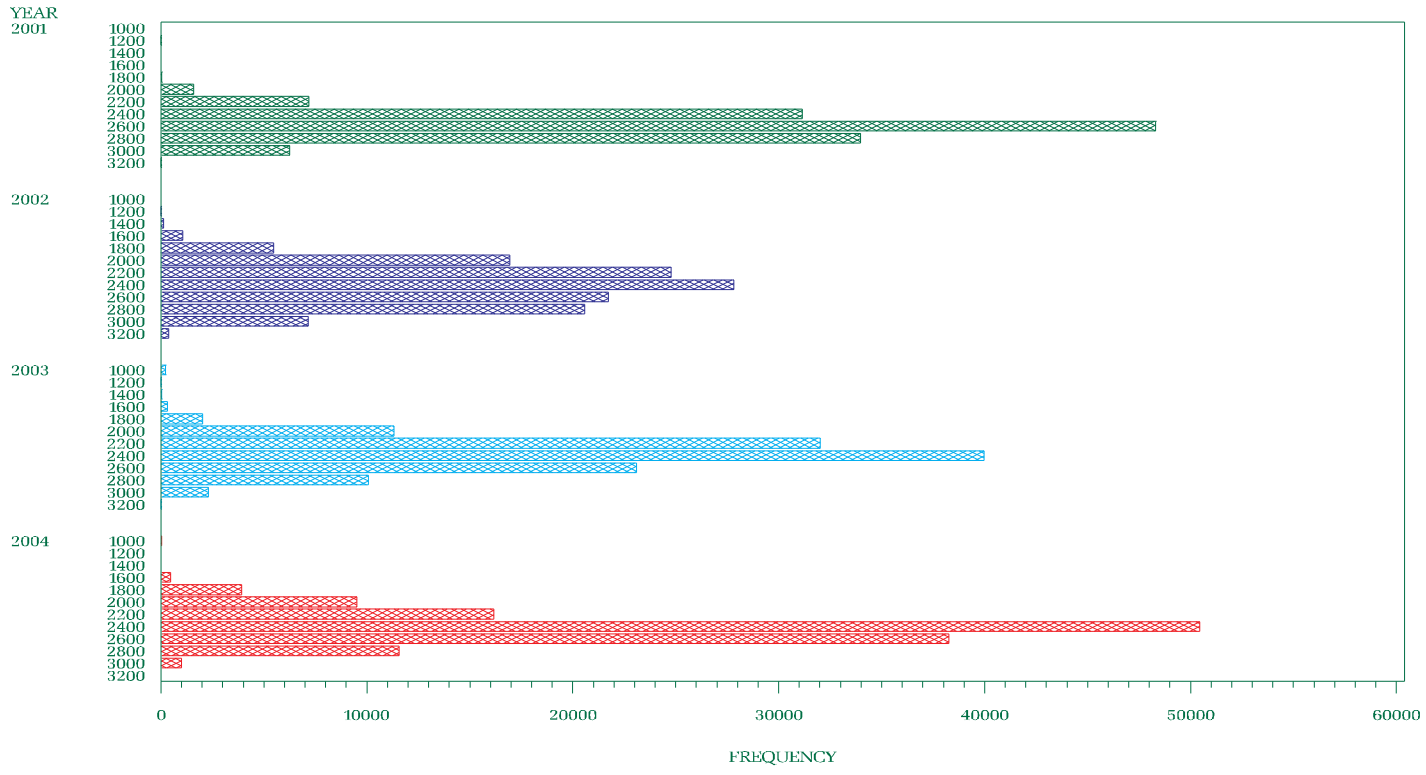


	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
1000	20	20	0.02	0.02
1200	0	20	0.00	0.02
1400	0	20	0.00	0.02
1600	474	494	0.36	0.38
1800	3928	4422	2.99	3.37
2000	9508	13930	7.24	10.60
2200	16161	30091	12.30	22.91
2400	50450	80541	38.40	61.31
2600	38270	118811	29.13	90.44
2800	11575	130386	8.81	99.25
3000	982	131368	0.75	100.00
3200	0	131368	0.00	100.00

NYISO Frequency Interface Flow For January 2001 – December 2004

Central East Pre – Contingency Voltage Collapse Limit

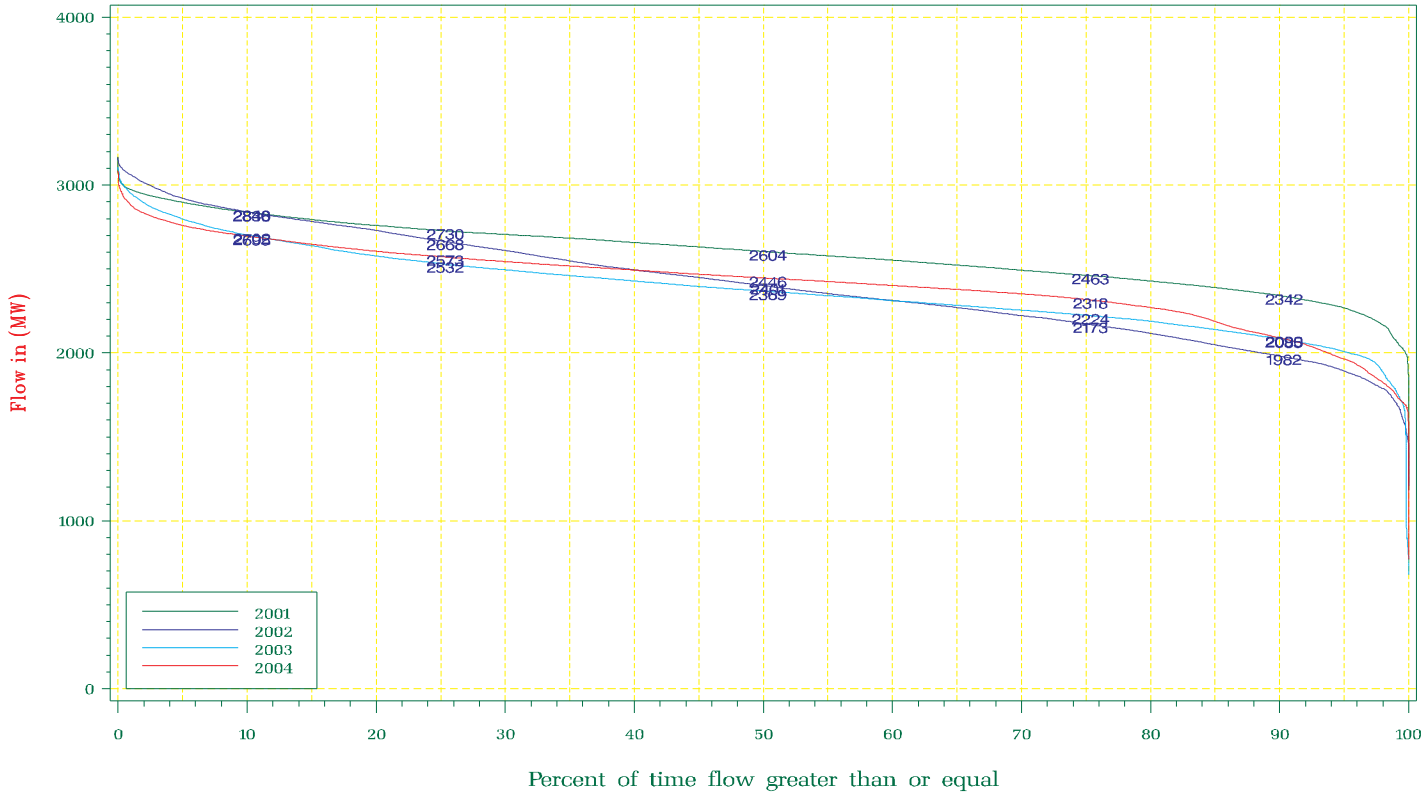
l/o New Scotland 99 Bus



NYISO Percent of time Interface Flow For January 2001 – December 2004

Central East Pre–Contingency Voltage Collapse Limit

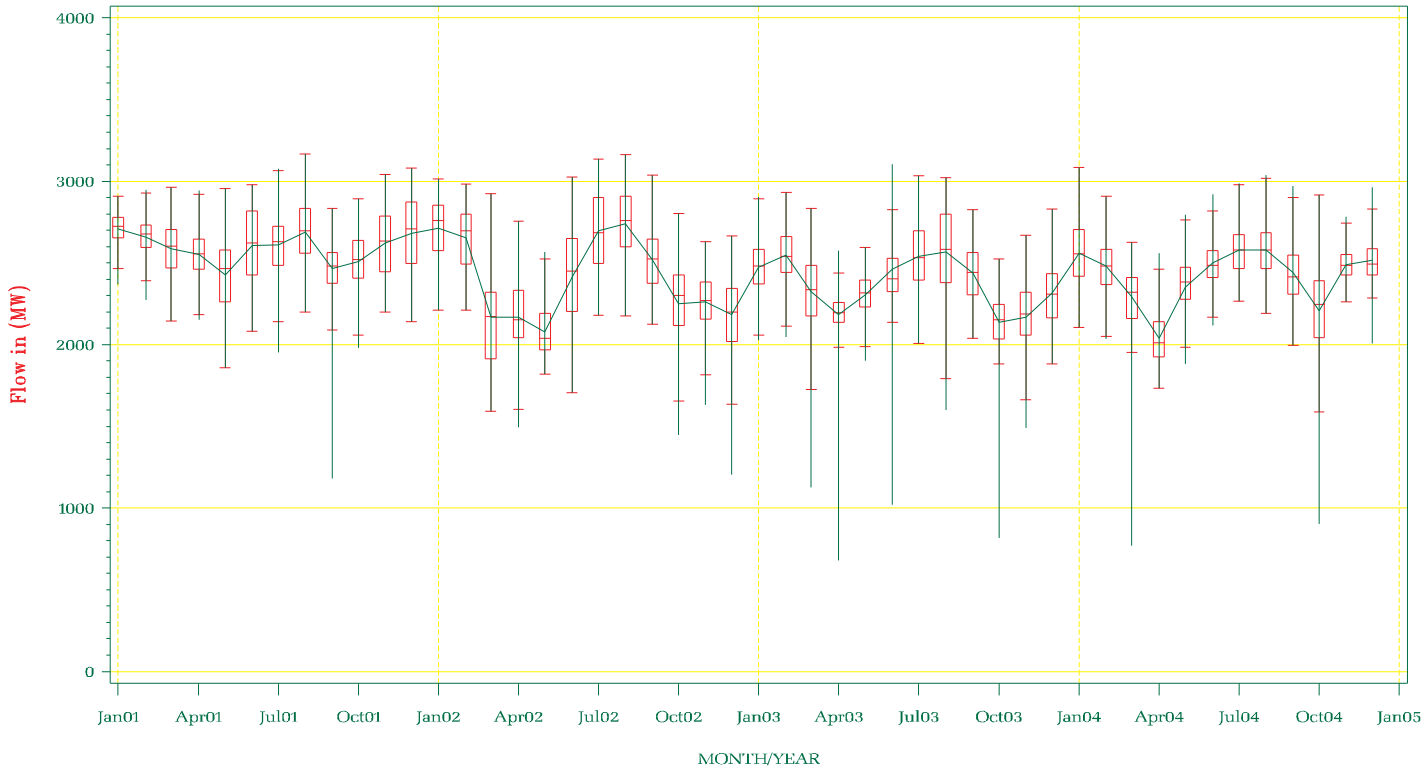
l/o New Scotland 99 Bus



NYISO Average Monthly Interface Flow For January 01, 2001 – December 31, 2004

Central East Pre–Contingency Voltage Collapse Limit

l/o New Scotland 99 Bus



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Appendix D – Interfaces Simultaneously Constraining

Prepare by : Tu Minh Thi Nguyen

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Interfaces Simultaneously Constraining	2001		2002		2003		2004	
	N. of Hour	% of Year	N. of Hour	% of Year	N. of Hour	% of Year	N. of Hour	% of Year
C.EAST DYS.EAST	1	0.00%	7	0.10%	.	.	12	0.10%
C.EAST HQ-NYISO	99	1%	108	1%	158	2%	106	1%
C.EAST HQ-NYISO DYS.EAST	.	.	.	.	5	0.10%	6	0.10%
C.EAST SPRN/D.WOODIE	30	0.30%	48	0.50%	20	0.20%	1	0.00%
C.EAST SPRN/D.WOODIE DYS.EAST	.	.	3	0.00%	1	0.00%	.	.
C.EAST SPRN/D.WOODIE HQ-NYISO	21	0.20%	23	0.30%	34	0.40%	2	0.00%
C.EAST MOSES SOUTH	.	.	.	.	.	.	27	0.30%
C.EAST UPNY CON ED	20	0.20%	21	0.20%	6	0.10%	2	0.00%
C.EAST UPNY CON ED -NYISO	6	0.10%	2	0.00%	49	0.60%	13	0.10%
C.EAST UPNY CON ED HQ-NYISO DYS.EAST	.	.	.	.	5	0.10%	.	.
C.EAST UPNY CON ED SPRN/D.WOODIE	3	0.00%	2	0.00%	1	0.00%	.	.
C.EAST UPNY CON ED SPRN/D.WOODIE DYS.EAST	.	.	1	0.00%	.	.	.	.
C.EAST UPNY CON ED SPRN/D.WOODIE HQ-NYISO	3	0.00%	6	0.10%	16	0.20%	.	.
C.EAST TOTAL EAST	1	0.00%	.	.	.	.	.	.
C.EAST C.EAST NET P/C	694	8%	946	11%	212	2%	179	2%
C.EAST C.EAST NET P/C DYS.EAST	6	0.10%	2	0.00%	2	0.00%	10	0.10%
C.EAST C.EAST NET P/C HQ-NYISO	128	1%	101	1%	109	1%	65	0.70%
C.EAST C.EAST NET P/C HQ-NYISO DYS.EAST	.	.	.	.	1	0.00%	7	0.10%
C.EAST C.EAST NET P/C SPRN/D.WOODIE	61	0.70%	21	0.20%	3	0.00%	4	0.00%
C.EAST C.EAST NET P/C SPRN/D.WOODIE DYS.EAST	1	0.00%	2	0.00%	1	0.00%	.	.
C.EAST C.EAST NET P/C SPRN/D.WOODIE HQ-NYISO	24	0.30%	1	0.00%	8	0.10%	5	0.10%
C.EAST C.EAST NET P/C MOSES SOUTH	.	.	1	0.00%	.	.	30	0.30%
C.EAST C.EAST NET P/C MOSES SOUTH HQ-NYISO	.	.	1	0.00%	.	.	.	.
C.EAST C.EAST NET P/C NEPEX-NYISO HQ-NYISO	.	.	.	.	2	0.00%	.	.
C.EAST C.EAST NET P/C UPNY CON ED	42	0.50%	7	0.10%	11	0.10%	.	.
C.EAST C.EAST NET P/C UPNY CON ED HQ-NYISO	4	0.00%	1	0.00%	15	0.20%	2	0.00%
C.EAST C.EAST NET P/C UPNY CON ED SPRN/D.WOODIE	1	0.00%	.	.	.	.	.	.
C.EAST C.EAST NET P/C UPNY CON ED SPRN/D.WOODIE HQ-NYISO	2	0.00%	.	.	3	0.00%	.	.
C.EAST C.EAST NET P/C TOTAL EAST	4	0.00%	.	.	.	.	.	.
C.EAST NET P/C DYS.EAST	16	0.20%	3	0.00%	11	0.10%	21	0.20%
C.EAST NET P/C HQ-NYISO	210	2%	150	2%	149	2%	186	2%
C.EAST NET P/C HQ-NYISO DYS.EAST	.	.	.	.	4	0.00%	19	0.20%
C.EAST NET P/C SPRN/D.WOODIE	277	3%	41	0.50%	31	0.40%	4	0.00%
C.EAST NET P/C SPRN/D.WOODIE DYS.EAST	5	0.10%	.	.	1	0.00%	.	.
C.EAST NET P/C SPRN/D.WOODIE HQ-NYISO	43	0.50%	2	0.00%	44	0.50%	1	0.00%
C.EAST NET P/C SPRN/D.WOODIE HQ-NYISO DYS.EAST	.	.	.	.	3	0.00%	.	.
C.EAST NET P/C MOSES SOUTH	.	.	.	.	.	.	5	0.10%
C.EAST NET P/C MOSES SOUTH HQ-NYISO	.	.	.	.	2	0.00%	.	.
C.EAST NET P/C NEPEX-NYISO	.	.	.	.	2	0.00%	.	.
C.EAST NET P/C NEPEX-NYISO HQ-NYISO	.	.	.	.	3	0.00%	.	.
C.EAST NET P/C UPNY CON ED	83	0.90%	11	0.10%	23	0.30%	9	0.10%
C.EAST NET P/C UPNY CON ED HQ-NYISO	1	0.00%	1	0.00%	12	0.10%	2	0.00%
C.EAST NET P/C UPNY CON ED SPRN/D.WOODIE	3	0.00%	2	0.00%	.	.	.	.
C.EAST NET P/C UPNY CON ED SPRN/D.WOODIE HQ-NYISO	.	.	.	.	1	0.00%	.	.
C.EAST NET P/C UPNY CON ED MOSES SOUTH	.	.	.	.	1	0.00%	.	.
C.EAST NET P/C TOTAL EAST	4	0.00%	.	.	.	.	.	.
HQ-NYISO DYS.EAST	.	.	.	.	10	0.10%	30	0.30%
MOSES SOUTH HQ-NYISO	5	0.10%	.	.	.	.	.	.
MOSES SOUTH SPRN/D.WOODIE HQ-NYISO	1	0.00%	.	.	.	.	.	.
NEPEX-NYISO HQ-NYISO	.	.	.	.	17	0.20%	.	.
NEPEX-NYISO SPRN/D.WOODIE	.	.	.	.	5	0.10%	.	.
NEPEX-NYISO SPRN/D.WOODIE HQ-NYISO	.	.	.	.	6	0.10%	.	.
SPRN/D.WOODIE DYS.EAST	5	0.10%	13	0.10%	38	0.40%	5	0.10%
SPRN/D.WOODIE HQ-NYISO	67	0.80%	71	0.80%	415	5%	148	2%
SPRN/D.WOODIE HQ-NYISO DYS.EAST	.	.	.	.	3	0.00%	3	0.00%

UPNY CON ED DYS.EAST	1	0.00%	.	.	1	0.00%	4	0.00%
UPNY CON ED HQ-NYISO	17	0.20%	23	0.30%	104	1%	73	0.80%
UPNY CON ED HQ-NYISO DYS.EAST	.	.	.	.	2	0.00%	.	.
UPNY CON ED SPRN/D.WOODIE	31	0.40%	57	0.70%	26	0.30%	2	0.00%
UPNY CON ED SPRN/D.WOODIE HQ-NYISO	.	.	9	0.10%	41	0.50%	.	.
UPNY CON ED PJM-NYISO	.	.	.	.	1	0.00%	.	.
W.CENT DYS.EAST	2	0.00%	49	0.60%	10	0.10%	103	1%
W.CENT HQ-NYISO	.	.	.	.	.	.	11	0.10%
W.CENT HQ-NYISO DYS.EAST	.	.	.	.	.	.	3	0.00%
W.CENT SPRN/D.WOODIE	2	0.00%	2	0.00%	6	0.10%	1	0.00%
W.CENT SPRN/D.WOODIE DYS.EAST	.	.	5	0.10%	21	0.20%	.	.
W.CENT UPNY CON ED	.	.	.	.	.	.	1	0.00%
W.CENT UPNY CON ED SPRN/D.WOODIE HQ-NYISO	.	.	.	.	3	0.00%	.	.
W.CENT TOTAL EAST	2	0.00%	.	.	.	.	.	.
W.CENT C.EAST NET P/C	5	0.10%	12	0.10%	6	0.10%	9	0.10%
W.CENT C.EAST NET P/C DYS.EAST	3	0.00%	7	0.10%	3	0.00%	20	0.20%
W.CENT C.EAST NET P/C HQ-NYISO	.	.	.	.	.	.	2	0.00%
W.CENT C.EAST NET P/C HQ-NYISO DYS.EAST	.	.	.	.	.	.	2	0.00%
W.CENT C.EAST NET P/C SPRN/D.WOODIE	.	.	1	0.00%	.	.	.	.
W.CENT C.EAST NET P/C UPNY CON ED	.	.	.	.	.	.	3	0.00%
W.CENT C.EAST NET P/C UPNY CON ED HQ-NYISO	.	.	.	.	.	.	1	0.00%
W.CENT C.EAST NET P/C UPNY CON ED HQ-NYISO DYS.EAST	.	.	.	.	.	.	1	0.00%
W.CENT C.EAST	.	.	2	0.00%	.	.	2	0.00%
W.CENT C.EAST DYS.EAST	.	.	.	.	.	.	4	0.00%
W.CENT C.EAST HQ-NYISO	.	.	.	.	.	.	3	0.00%
W.CENT C.EAST HQ-NYISO DYS.EAST	.	.	.	.	.	.	2	0.00%
W.CENT C.EAST UPNY CON ED DYS.EAST	.	.	.	.	.	.	1	0.00%
W.CENT C.EAST UPNY CON ED HQ-NYISO	.	.	.	.	.	.	4	0.00%
W.CENT C.EAST C.EAST NET P/C	5	0.10%	.	.	5	0.10%	3	0.00%
W.CENT C.EAST C.EAST NET P/C DYS.EAST	3	0.00%	.	.	2	0.00%	5	0.10%
W.CENT C.EAST C.EAST NET P/C HQ-NYISO	.	.	.	.	.	.	2	0.00%
W.CENT C.EAST C.EAST NET P/C HQ-NYISO DYS.EAST	.	.	.	.	.	.	2	0.00%
W.CENT C.EAST C.EAST NET P/C UPNY CON ED	3	0.00%	.	.	.	.	.	.
W.CENT C.EAST C.EAST NET P/C UPNY CON ED DYS.EAST	1	0.00%	.	.	.	.	1	0.00%
W.CENT C.EAST C.EAST NET P/C UPNY CON ED HQ-NYISO DYS.EAST	.	.	.	.	.	.	1	0.00%
	=====	=====	=====	=====	=====	=====	=====	=====
	1946	22%	1765	20%	1674	19%	1170	13%
C_EAST/ C_EAST Net P/C excluded	1252	14%	819	9%	1462	17%	991	11%
C_EAST/ T_EAST excluded	1243	14%	819	9%	1462	17%	991	11%

Appendix E – NYISO Operating Interfaces & OASIS Transmission Paths

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NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

CENTRAL EAST

Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	UNS-18	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
*Plattsburgh - Grand Isle	PV-20	115
East Springfield - Inghams*	942	115
Inghams Bus Tie	PAR	115

TOTAL EAST

Central-Capital/MidHudson

Name	Line ID	Voltage (kV)
Coopers-Middletown*	CCRT-34	345
Coopers-Rock Tavern*	CCRT-42	345
Edic-New Scotland*	14	345
*Fraser-Gilboa	35	345
Marcy-New Scotland*	UNS-18	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield - Inghams*	942	115
Inghams Bus Tie	PAR	115
West Woodbourne*115/69	T152	115/69

PJM East-Capital/MidHudson

Branchburg-Ramapo*	5018	500
*Waldwick- S.Mahwah	J3410	345
* Waldwick-S.Mahwah	K3411	345

PJM East-New York City

Hudson-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230

Adirondack-ISO-NE

*Plattsburgh-Grand Isle	PV-20	115

PJM (Rockland Electric) - MidHudson

Closter – Sparkill	751	69
Harings Corners – W. Nyack	701	69
Harings Corners – Burns	702	138
Montvale – Pearl River	491	69
Harings Corners – Pearl River	45	34
S. Mahwah – Ramapo	51	138
S. Mahwah - Hilburn	65	69
S. Mahwah 138/345		138/345

***** indicates the metered end of circuit

Prepare by: Tu Minh Thi Nguyen

MOSES SOUTH

Adirondack-Central

Name	Line ID	Voltage (kV)
*Massena-Marcy	MSU1	765
*Moses-Adirondack	MA-1	230
*Moses-Adirondack	MA-2	230
*Dennison-Colton	4	115
*Dennison-Colton	5	115
*Alcoa-N. Ogdensburg	13	115
Malone-Colton*	3	115

DYSINGER EAST

Frontier-Genessee

Name	Line ID	Voltage (kV)
*AES Somerset-Rochester (Sta 80)	SR-1/39	345
Niagara-Rochester*	NR2	345
*Stolle-Meyer	67	230
*Andover - Palmiter	932	115
*Lockport-Batavia	107	115
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport-Sweden 1	111	115
*Lockport-Sweden 3	113	115
*Lockport-Telegraph	114	115

WEST CENTRAL

Genessee-Central

Name	Line ID	Voltage (kV)
Pannell Road-Clay	PC-1	345
Pannell Road-Clay*	PC-2	345
*Stolle-Meyer	67	230
*Andover - Palmiter	932	115
Quaker - Macedon	930	115
*Mortimer-Elbridge	1	115
*Mortimer-Elbridge	2	115
*Pannell-Farmington	4	115
*Station 121-Sleight Road	13	115
St. 162 - S. Perry	906	115
*Clyde 199-Sleight Rd		115
Clyde 199-Clinton Corn		115
Hook Rd (RGE-NMPC)	TB#3	34.5/115
* Farmington (RGE-NMPC)		
(Farmington 34.5/115kV)	#7	34.5/115
(Farmington 34.5 & 12/ 115kV)	#4	34.5/115

***** indicates the metered end of circuit

UPNY-CONED		
Capital/MidHudson-Westchester		
Name	**Line ID**	**Voltage(kV)**
Ladentown-Buchanan South*	Y88	345
*Pleasant Valley-Wood St.	F30	345
*Pleasant Valley-E. Fishkill	F36	345
*Pleasant Valley-E. Fishkill	F37	345
*Pleasant Valley-Millwood	F31	345
*Ramapo-Buchanan North	Y94	345
Roseton-E. Fishkill*	305	345
East Fishkill – Sylvan Lake	A/990	115
East Fishkill 115/345		115/345
SPRAINBROOK-DUNWOODIE SOUTH		
Name	**Line ID**	**Voltage(kV)**
*Dunwoodie-Rainey	71	345
*Dunwoodie-Rainey	72	345
Sprainbrook-Tremont*	28	345
*Sprainbrook-West 49th Street	M51	345
*Sprainbrook-West 49th Street	M52	345
*Lake Success-Jamaica	903	138
*Valley Stream-Jamaica	901L/M	138
*Dunwoodie-Sherman Creek	99031	138
Dunwoodie-Sherman Creek*	99032	138
*Dunwoodie-East 179th Street	99153	138
CONED - LIPA		
Westchester - Long Island		
Name	**Line ID**	**Voltage (kV)**
*Dunwoodie-Shore Road	Y50	345
*Sprainbrook-East Garden City	Y49	345
New York City - Long Island		
Jamaica-Valley Stream*	901L/M	138
Jamaica-Lake Success*	903	138
NYISO-ISONE		
Adirondack-ISONE		
Name	**Line ID**	**Voltage (kV)**
*Plattsburgh-Grand Isle	PV-20	115
Capital/MidHudson-ISONE		
*Alps-Berkshire	393	345
*Pleasant Valley-Long Mnt.	398	345
Rotterdam-Bear Swamp*	E205W	230
Hoosick-Bennington*	6	115
*Whitehall-Rutland (Velco)	7/K37	115
*Smithfield-Salisbury		69
Long Island-ISONE		
*Northport-Norwalk	1385	138

*indicates the metered end of circuit

PJM-NYISO

PJM East-New York City

Name	Line ID	Voltage (kV)
Hudson-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230

PJM West-Central

*Homer City-Watercure	30	345
E. Towanda-Hillside*	70	230
Tiffany-Goudey*	952	115
*E. Sayre-N. Waverly	956	115

PJM West-Frontier

*Homer City-Stolle Road	37	345
Erie East-South Ripley*	69	230
*Warren-Falconer	171	115

PJM East-Capital/MidHudson

Branchburg-Ramapo*	5018	500
*Waldwick-S.Mahwah	J3410	345
*Waldwick-S.Mahwah	K3411	345

PJM (Rockland Electric) - MidHudson

Closter – Sparkill	751	69
Harings Corners – W. Nyak	701	69
Harings Corners – Burns	702	138
Montvale – Pearl River	491	69
Harings Corners – Pearl River	45	34
S. Mahwah – Ramapo	51	138
S. Mahwah - Hilburn	65	69
S. Mahwah 138/345		138/345

IMO (Ontario)-NYISO

Ontario East-Adirondack

Name	Line ID	Voltage (kV)
St. Lawrence-Moses*	L33P	230
St.Lawrence-Moses*	L34P	230

Ontario South-Frontier

Beck-Niagara*	PA301	345
Beck-Niagara*	PA302	345
Beck-Niagara*	PA27	230
*Beck-Packard	BP76	230

TE-NYISO *note: TE-NYISO is MSC7040 line flow alone*

TE-Adirondack

Name	Line ID	Voltage(kV)
*Chateauguay-Massena	MSC7040	765
Rosemont-Dennison*	1	115
Rosemont-Dennison*	2	115

*indicates the metered end of circuit

NYISO NON-OPERATING INTERFACES & MISC. FLOWS

NY-Ontario Circulation

NAME
Ontario (IMO)-NY Schedule
Ontario (IMO)-NY Actual (Negative)
*Beck-TSC 105 (Negative)
*Beck-TSC 106 (Negative)

UPNY-SENY - (not an operating interface)

NAME	LINE ID	VOLTAGE (kV)
*Leeds-Pleasant Valley	91	345
*Leeds-Pleasant Valley	92	345
*Leeds-Hurley	301	345
Long Mtn-Pleasant Valley*	398	345
Unionville-N. Catskill*	2	115
Hudson-Pleasant Valley *	12	115
Blue Stores-Pl Valley*	8	115
Blue Stores-Pl Valley*	13	115
W. Woodbourne	115/69*	115/69
Branchburg-Ramapo*	5018	500
*Coopers Corners-Rock Tavern	CCRT-34	345
*Coopers Corners-Rock Tavern	CCRT-42	345

SENY - IMPORT/UPNY - SENY CLOSED (not an operating interface)

NAME	LINE ID	VOLTAGE (kV)
UPNY-SENY Plus the following:		
*Waldwick-South Mahwah	K3411	345
*Waldwick-South Mahwah	J3410	345
Hudson-Farragut*	B3402	345
Hudson-Farragut*	C3403	345
Linden-Goethals*	A2253	230
*Norwalk-Northport	1385	138

WEST-CENTRAL CLOSED- (not an operating interface)

NAME	LINE ID	VOLTAGE (kV)
All West-Central Ties plus the following:		
Saunders – St.Lawrence/FDR*	L33P*	230
Saunders – St.Lawrence/FDR*	L34P*	230
All PJM - NYISO Ties except:		
*Homer City - Stolle Road	37	345
Erie South-South Ripley*	69	230
*Warren-Falconer	171	115

SPRAIN BROOK -DUNWOODIE SOUTH CLOSED -(not an operating interface)

NAME	LINE ID	VOLTAGE (kV)
All Sprain Brook-Dunwoodie South Ties plus the following:		
Hudson - Farragut	B3402	345
Hudson - Farragut	C3403	345
Linden - Goethals	A2253	230

VOLNEY EAST OPEN

NAME	LINE ID	VOLTAGE (kV)
Oakdale - Fraser	32	345
Oakdale -Delhi	919	115
Willets - E. Norwich	945	115
Katelville - Jennison	943	115
Clay - Edic	1-16	345
Clay - Edic	2-15	345
JA Fitzpatrick - Edic	FE-1	345
Lighthouse Hill - Black River	6	115
Lighthouse Hill - E. Watertown	5	115
Teall Ave - Oneida	2	115
Teall Ave - Bridgeport	5	115
Whitman - Oneida	5	115
Volney - Marcy	VU-19	345

VOLNEY EAST CLOSED

NAME	LINE ID	VOLTAGE (kV)
All Volney East Open Ties plus the following:		
Branchburg - Ramapo	5018	500
Hudson - Farragut	B-3402	345
Hudson – Farragut	C-3403	345
Linden - Goethals	A-2253	230
Waldwick – So. Mahwah	K-3411	345
Waldwick – So. Mahwah	J-3410	345
Saunders – St.Lawrence/FDR*	L34P	230
Saunders – St.Lawrence/FDR*	L33P	230

SPRAINBROOK/DUNWOODIE SOUTH - CON ED CABLE INTERFACE DEFINITIONS

Line Name	ID	Voltage	I	II	III
Dunwoodie - Rainey	71	345	X	X	X
Dunwoodie - Rainey	72	345	X	X	X
Sprainbrook - W. 49 St.	M51	345	X	X	X
Sprainbrook - W. 49 St.	M52	345	X	X	X
Sprainbrook - Tremont	X28	345	X	X	X
Dunwoodie So. - E. 179 St.	99153	138	X	X	X
Dunwoodie No. - Sherman Creek	99031	138	X	X	X
Dunwoodie No. - Sherman Creek	99032	138	X	X	X
Lake Success - Jamaica	903	138	X	X	
Valley Stream - Jamaica	901	138	X	X	
Hudson - Farragut	B2402	345		X	X
Hudson - Farragut	C3403	345		X	X
Linden - Goethals	A2253	230		X	X
Sprainbrook - E.G.C.	Y49	345			X
Dunwoodie - Shore Rd.	Y50	345			X
Norwalk - Northport	1385	138			X

	Interface Definitions	Department
I	Sprainbrook/Dunwoodie South and Con Edison Cable Interface	Operation
II	Con Edison NYC Cable Interface - Closed	ConEd Operation
III	Sprainbrook/Dunwoodie South - Closed	Planning

Appendix F – Power Flows
On-peak vs. Off-peak

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Prepared by: Tu Minh Thi Nguyen

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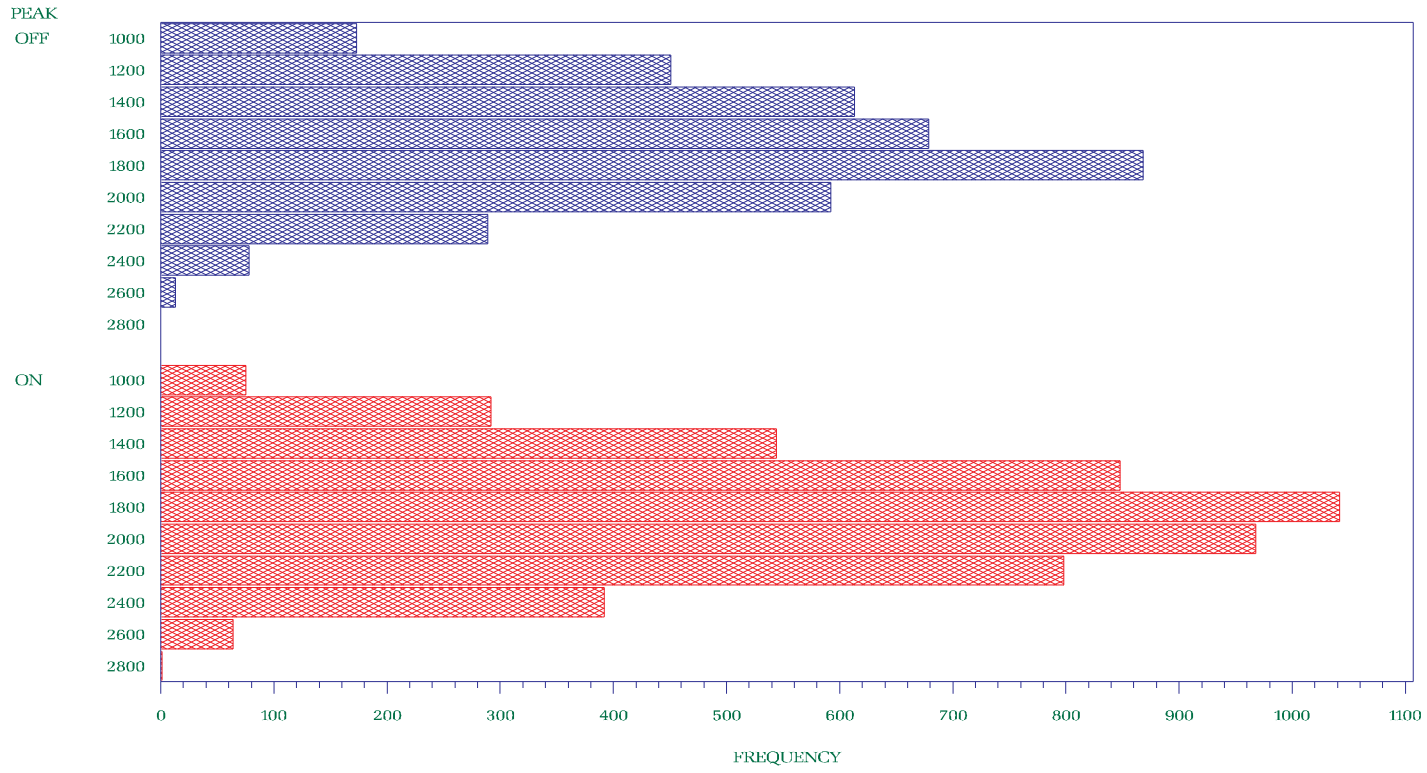
NYISO Frequency Interface Flow For January – December 2004

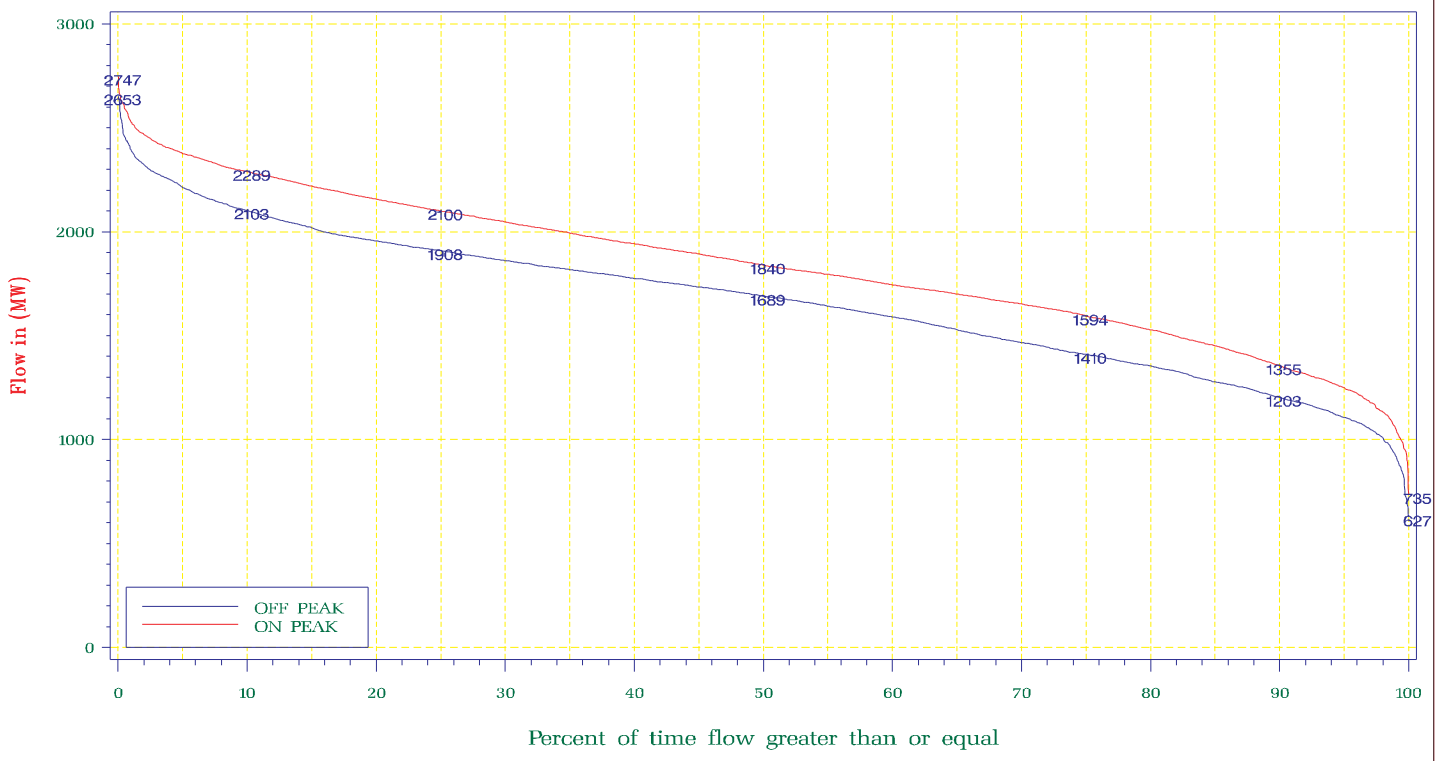
CENTRAL EAST



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2003

CENTRAL EAST



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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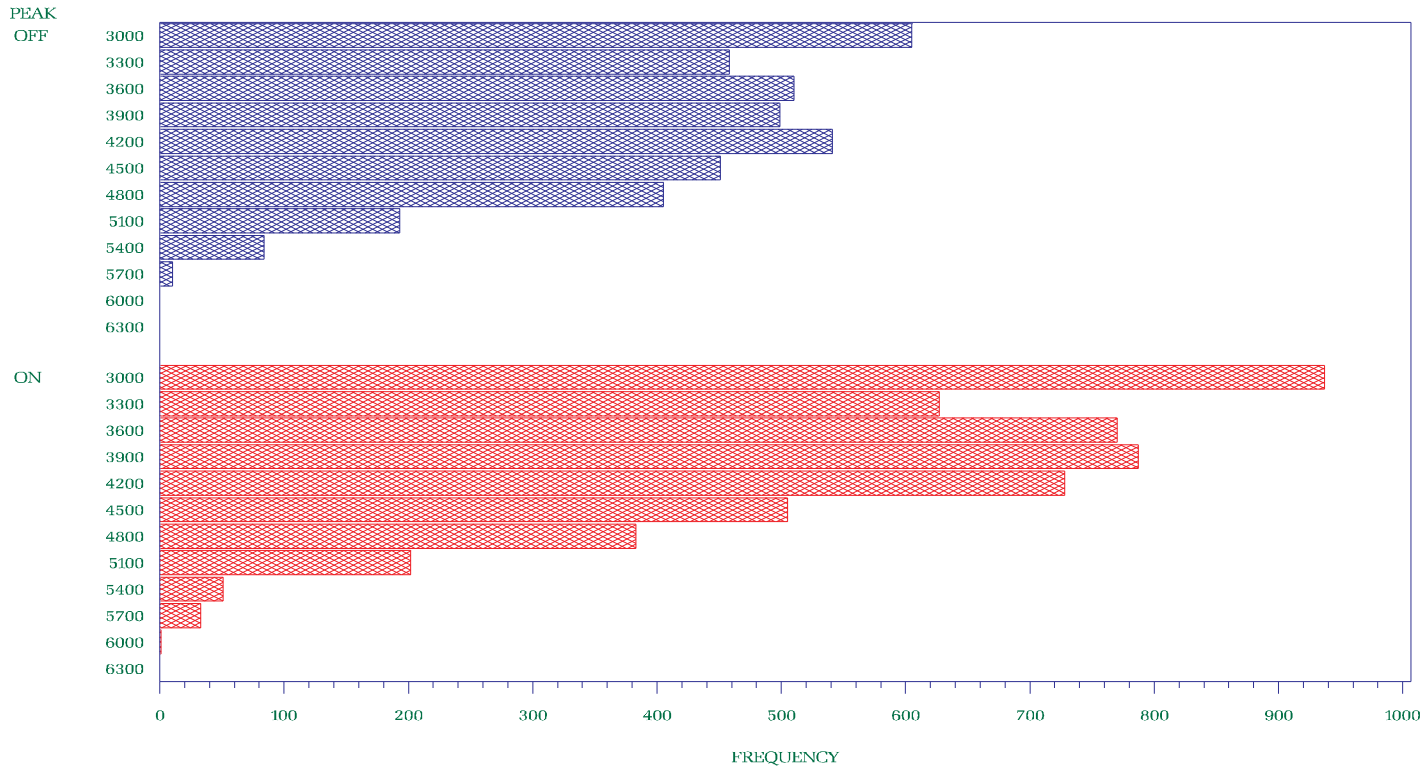
NYISO Frequency Interface Flow For January – December 2004

TOTAL EAST



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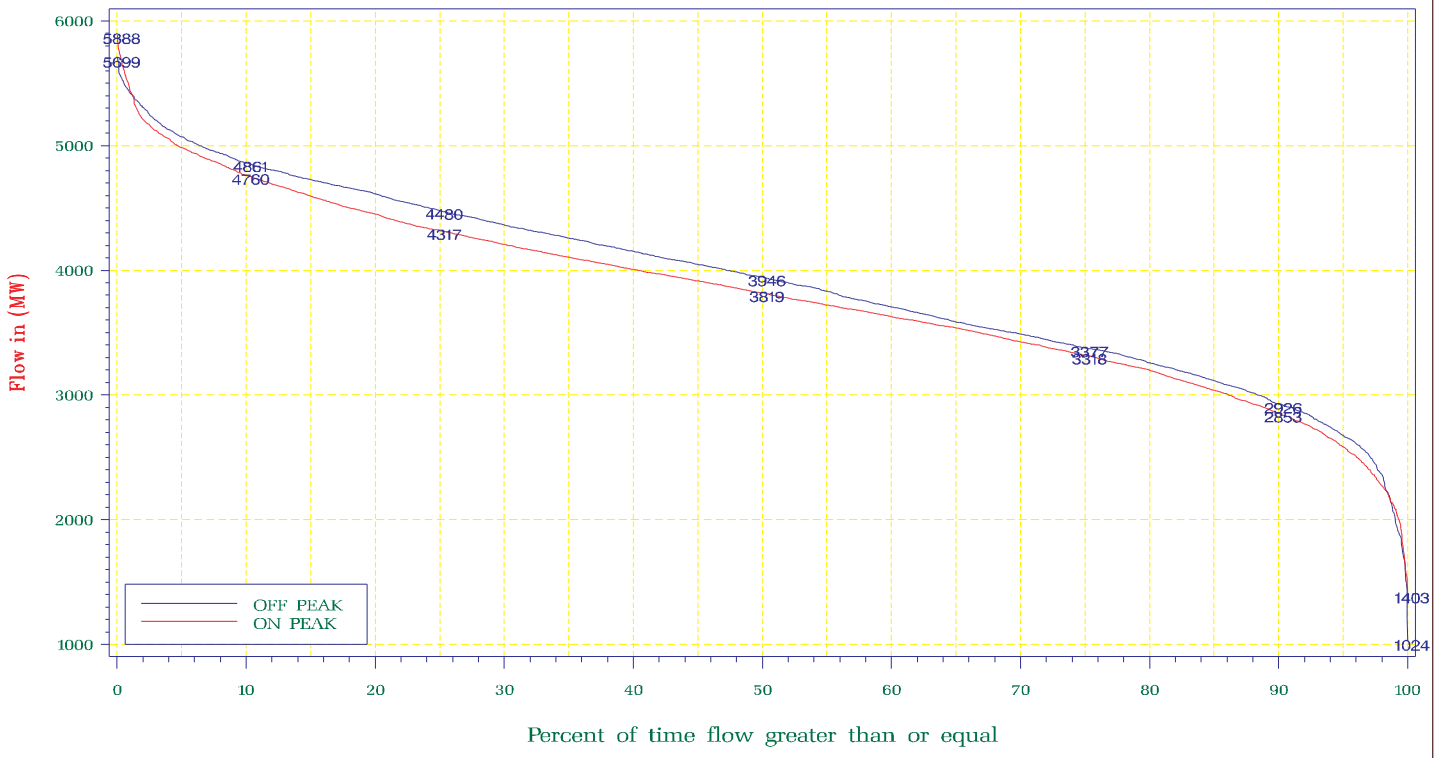
NYISO Percent of time Interface Flow For January – December 2003

TOTAL EAST



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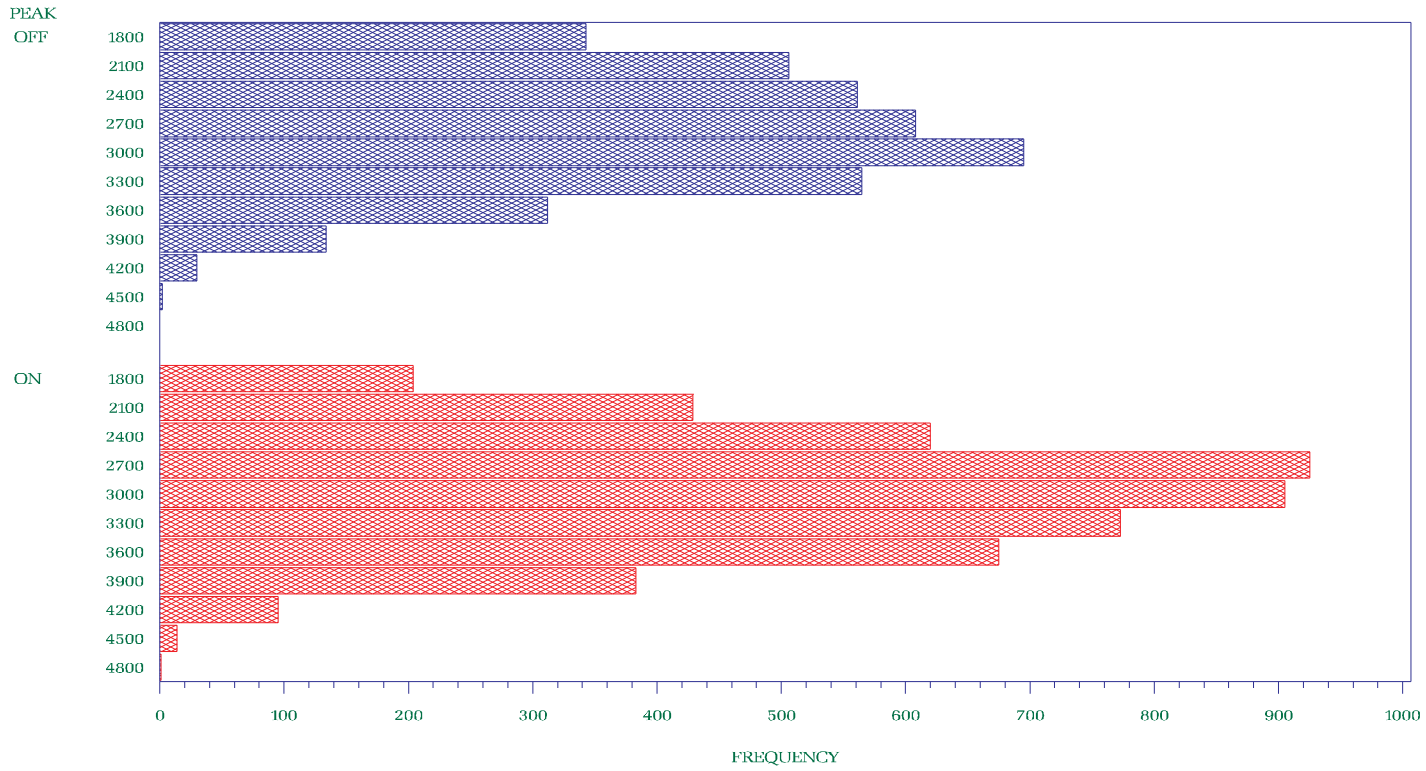
NYISO Frequency Interface Flow For January – December 2004

Central – Capital/Mid Hudson



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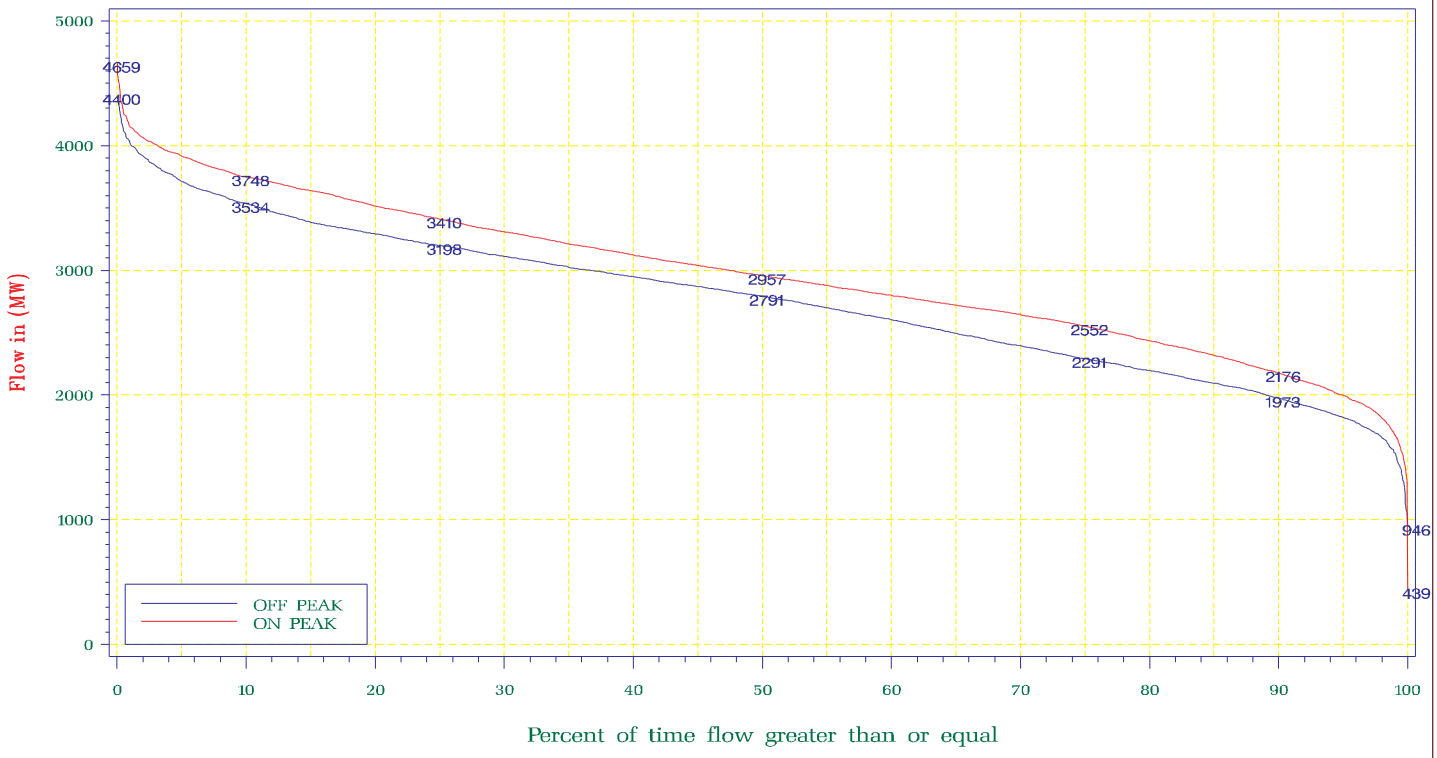
NYISO Percent of time Interface Flow For January – December 2003

Central – Capital/Mid Hudson



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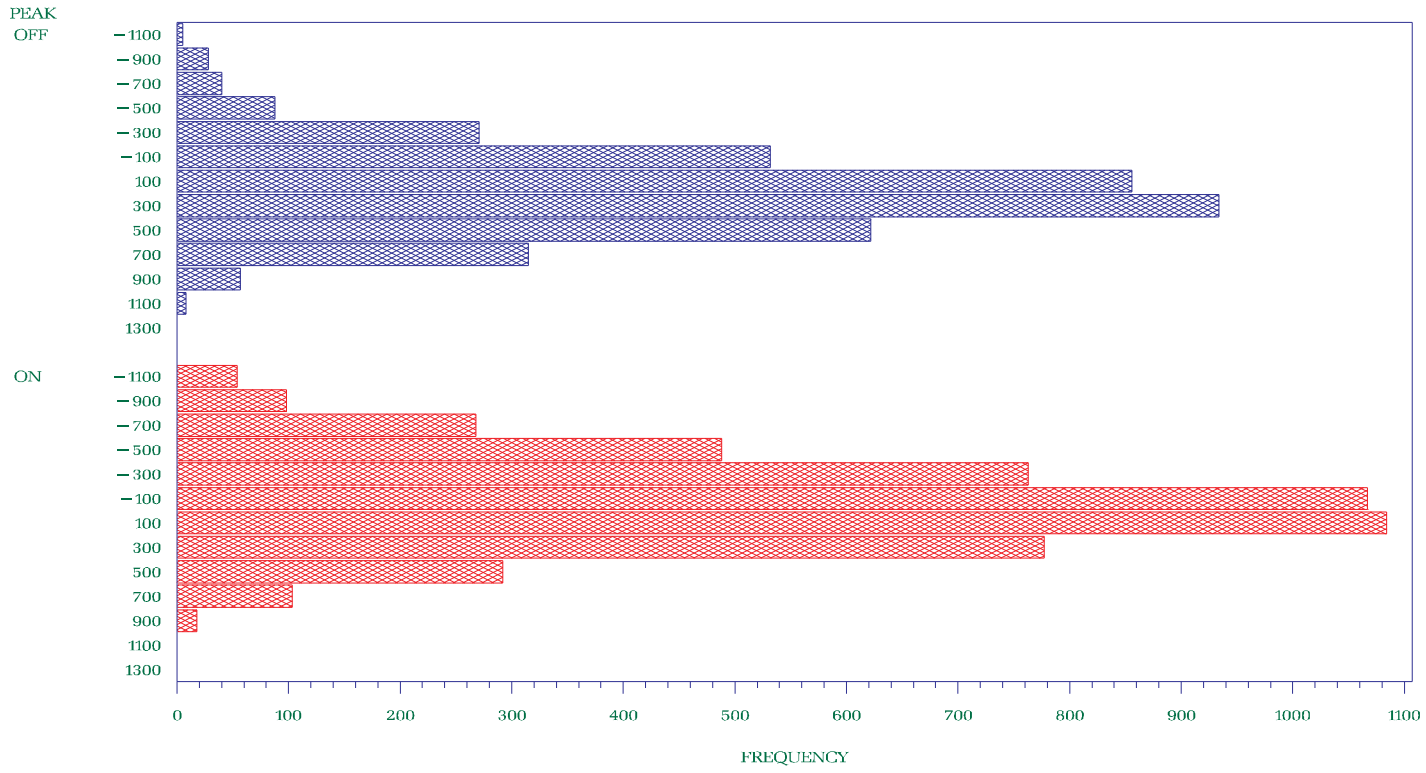
NYISO Frequency Interface Flow For January – December 2004

PJM East – Capital/Mid Hudson



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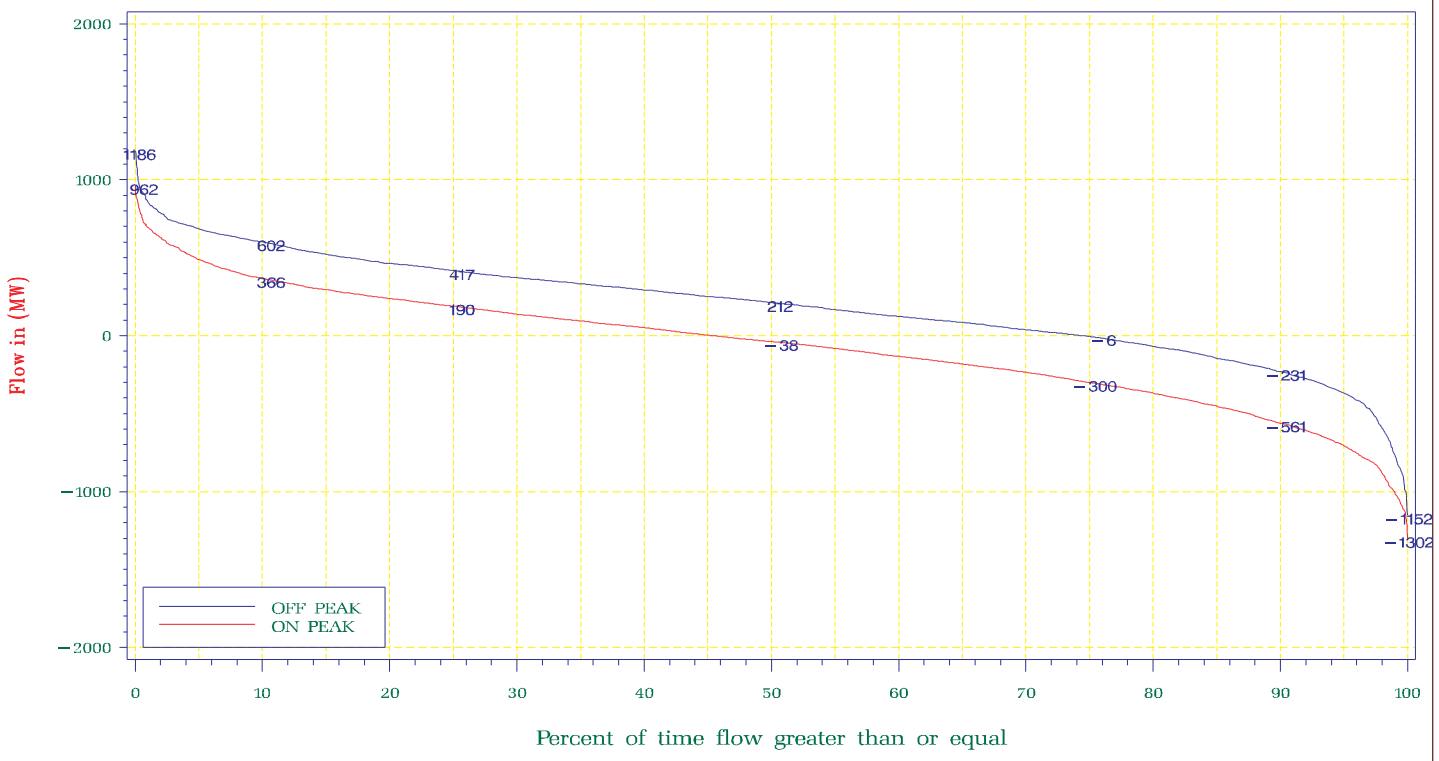
NYISO Percent of time Interface Flow For January – December 2003

PJM East – Capital/Mid Hudson



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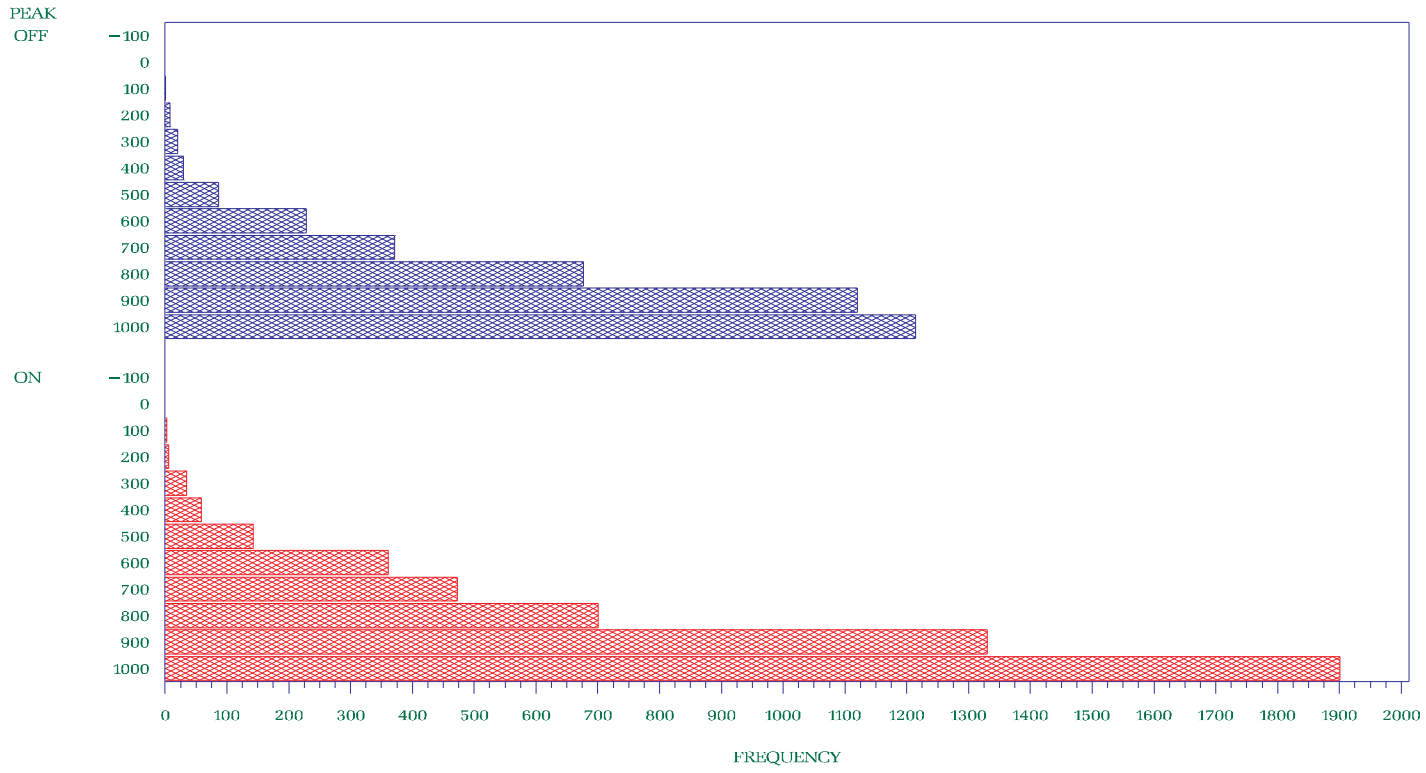
NYISO Frequency Interface Flow For January – December 2004

PJM East – New York City



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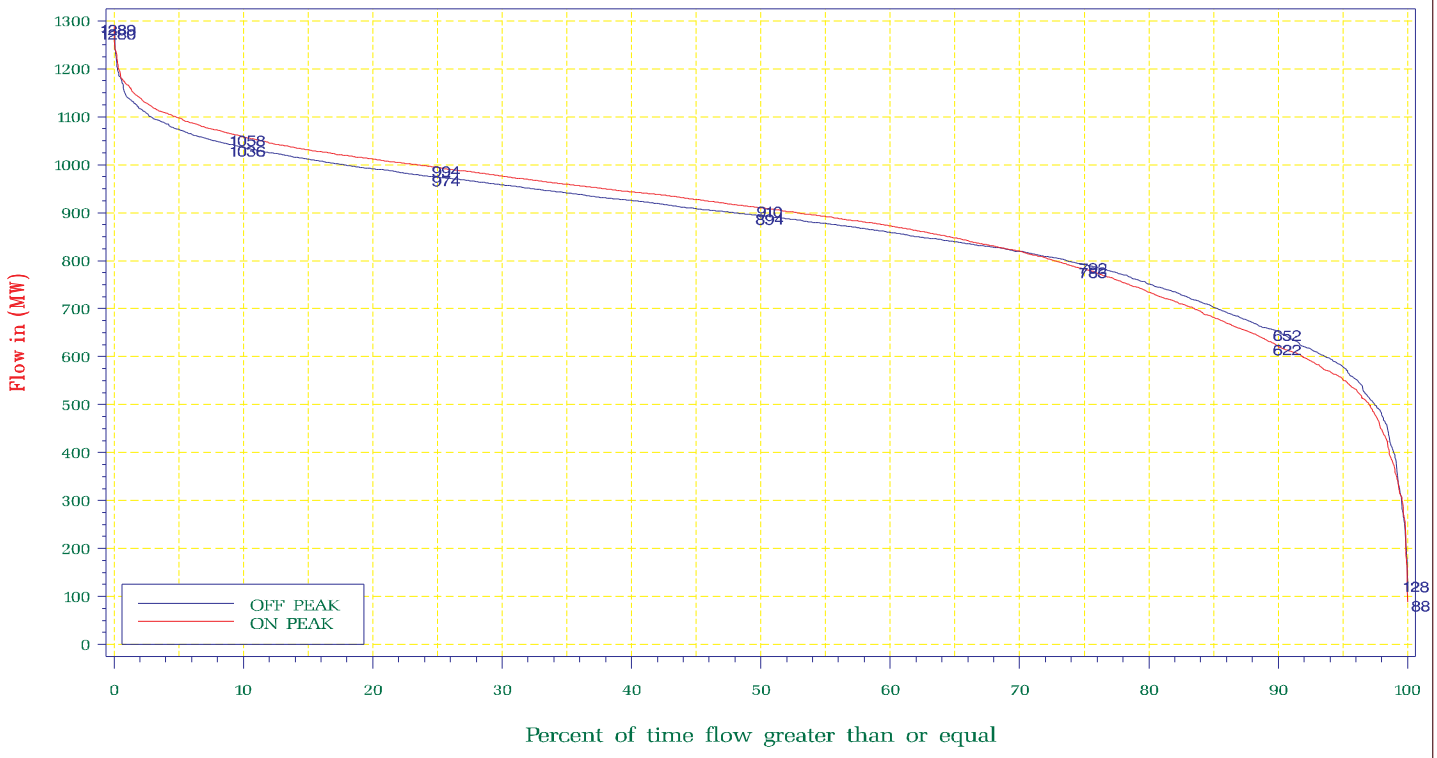
NYISO Percent of time Interface Flow For January – December 2003

PJM East – New York City



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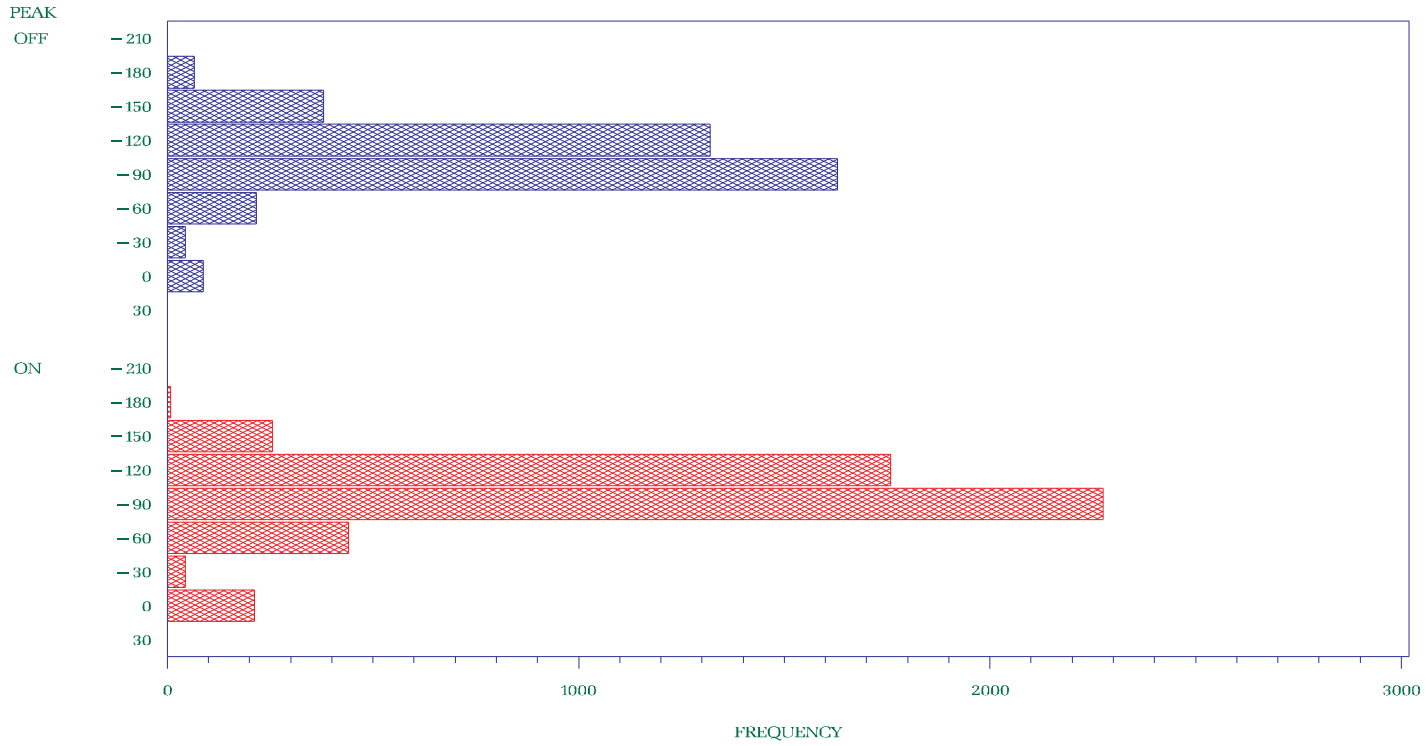
NYISO Frequency Interface Flow For January – December 2004

NE/Vt. North – Adirondack

PV – 20 Grand Isle – Plattsburgh



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NYISO Percent of time Interface Flow For January – December 2003

NE/Vt. North – Adirondack

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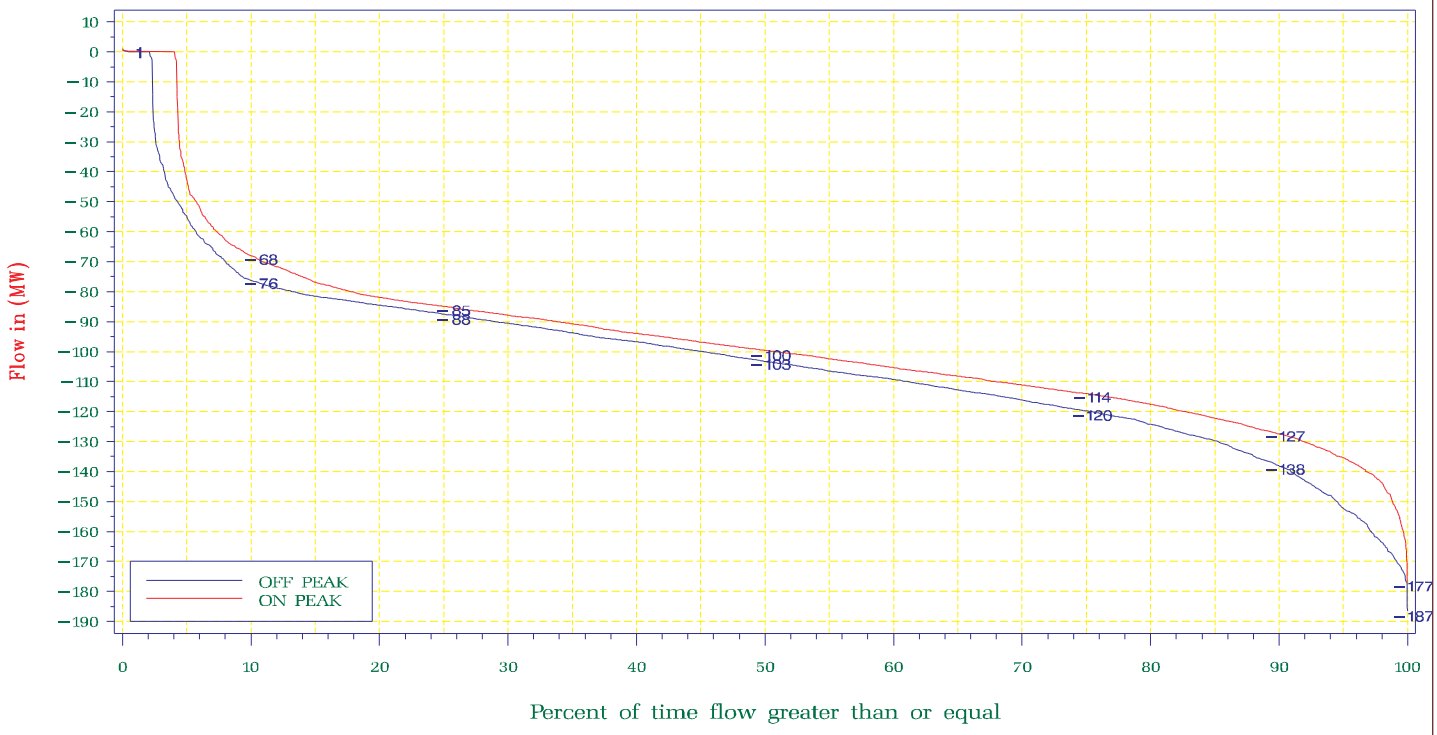

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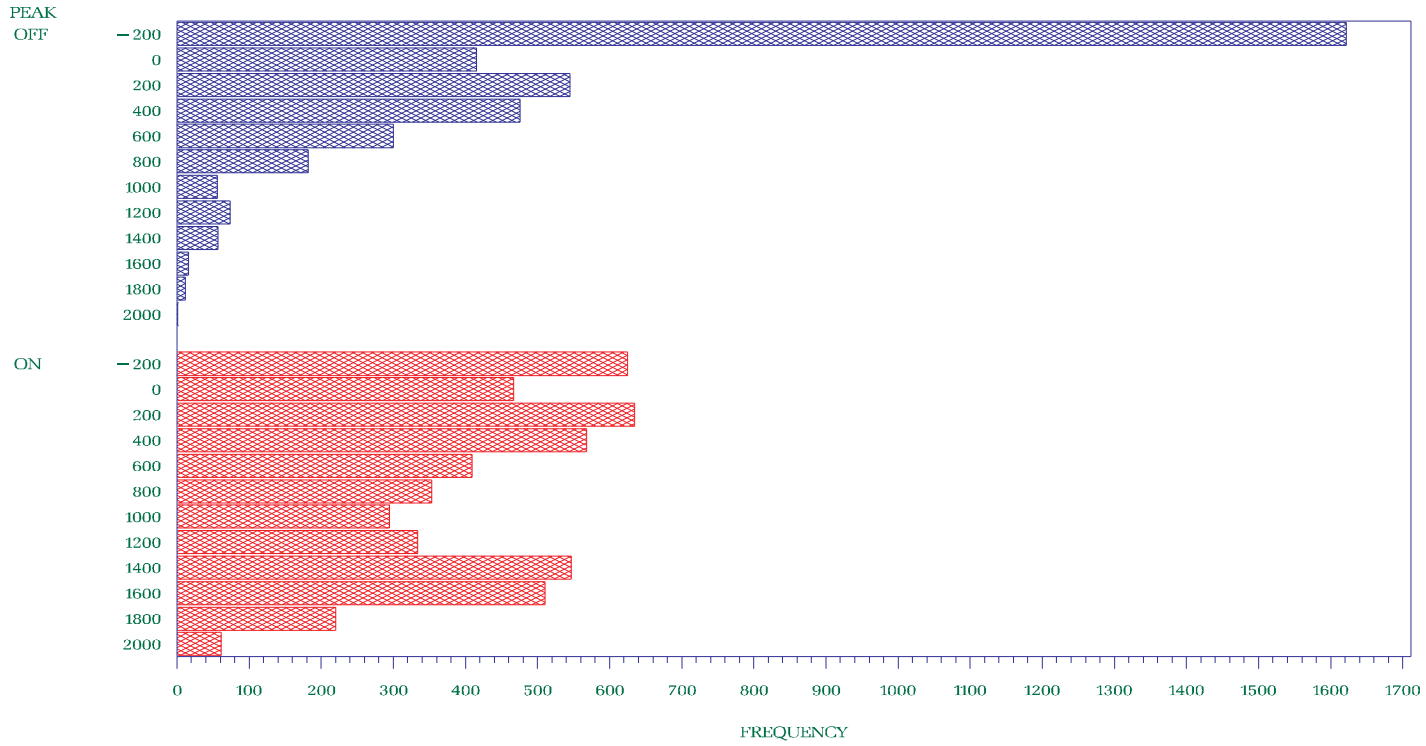
NYISO Frequency Interface Flow For January – December 2004

MOSES SOUTH

Adirondack – Central



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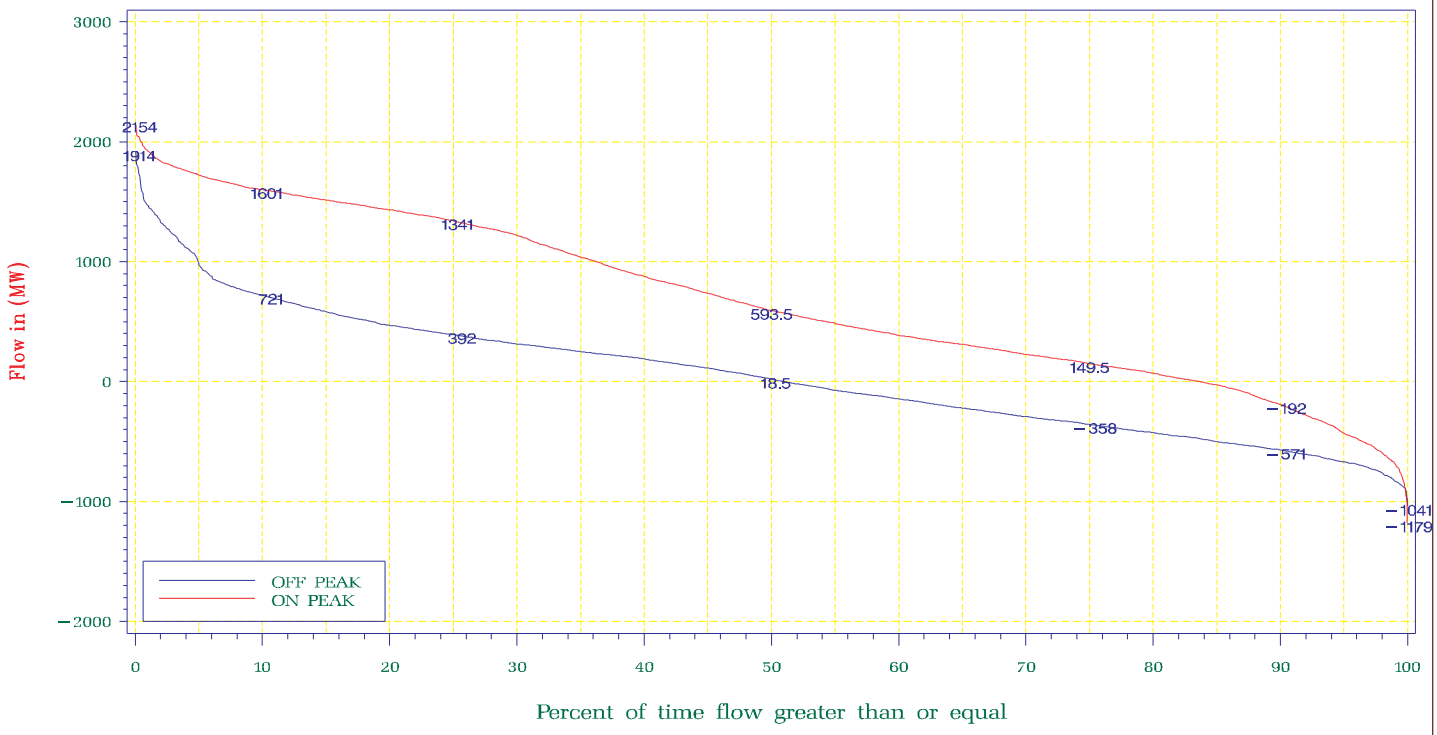
NYISO Percent of time Interface Flow For January – December 2003

MOSES SOUTH

Adirondack – Central



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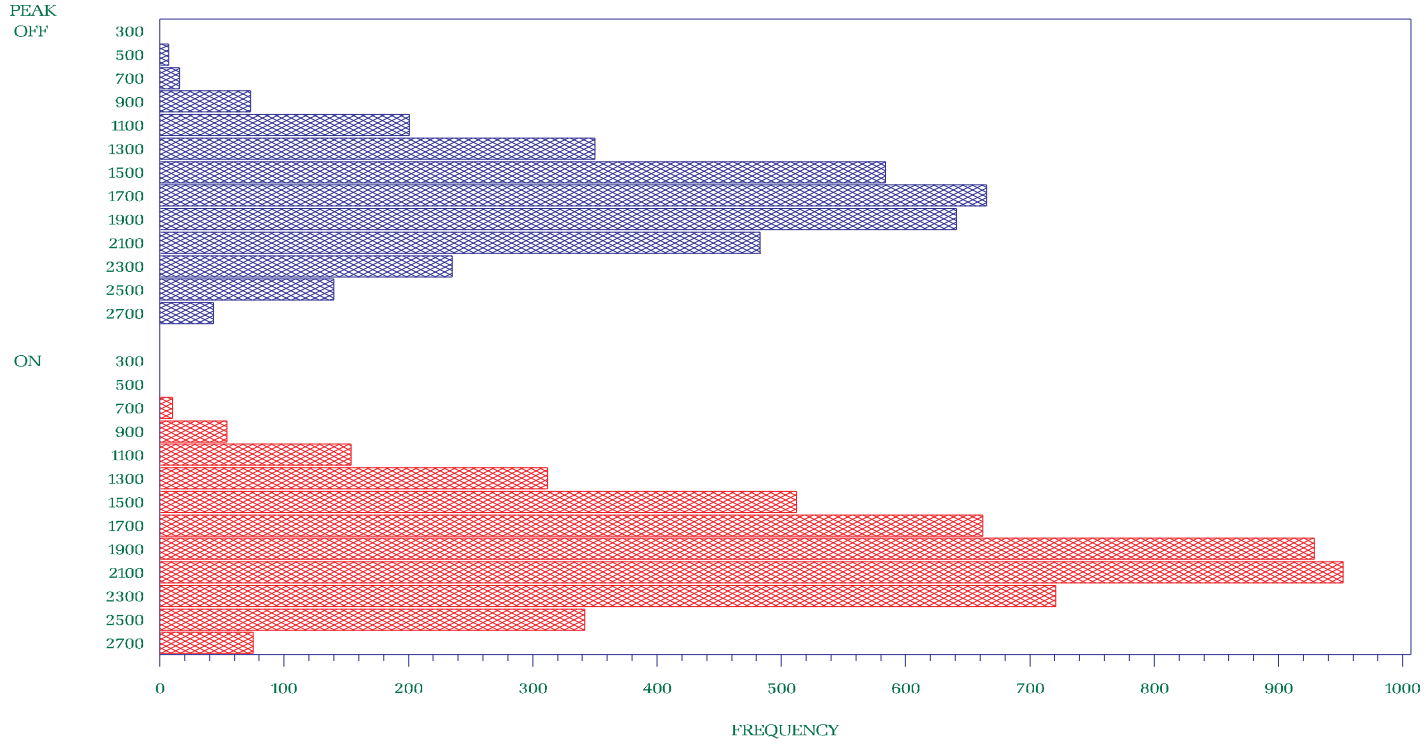
NYISO Frequency Interface Flow For January – December 2004

DYSINGER EAST

Frontier – Genesee



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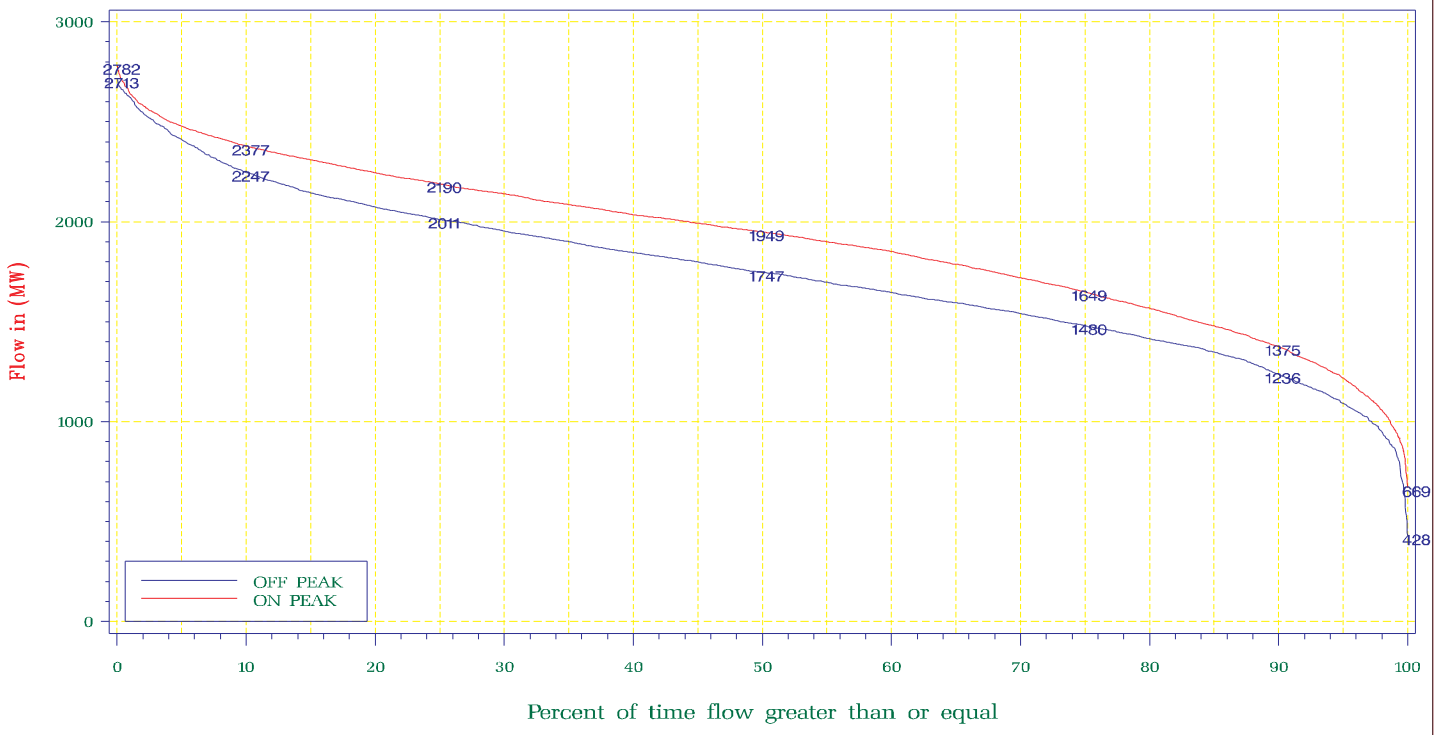
NYISO Percent of time Interface Flow For January – December 2003

DYSINGER EAST

Frontier – Genesee



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NYISO Frequency Interface Flow For January – December 2004

WEST CENTRAL

Genesee – Central

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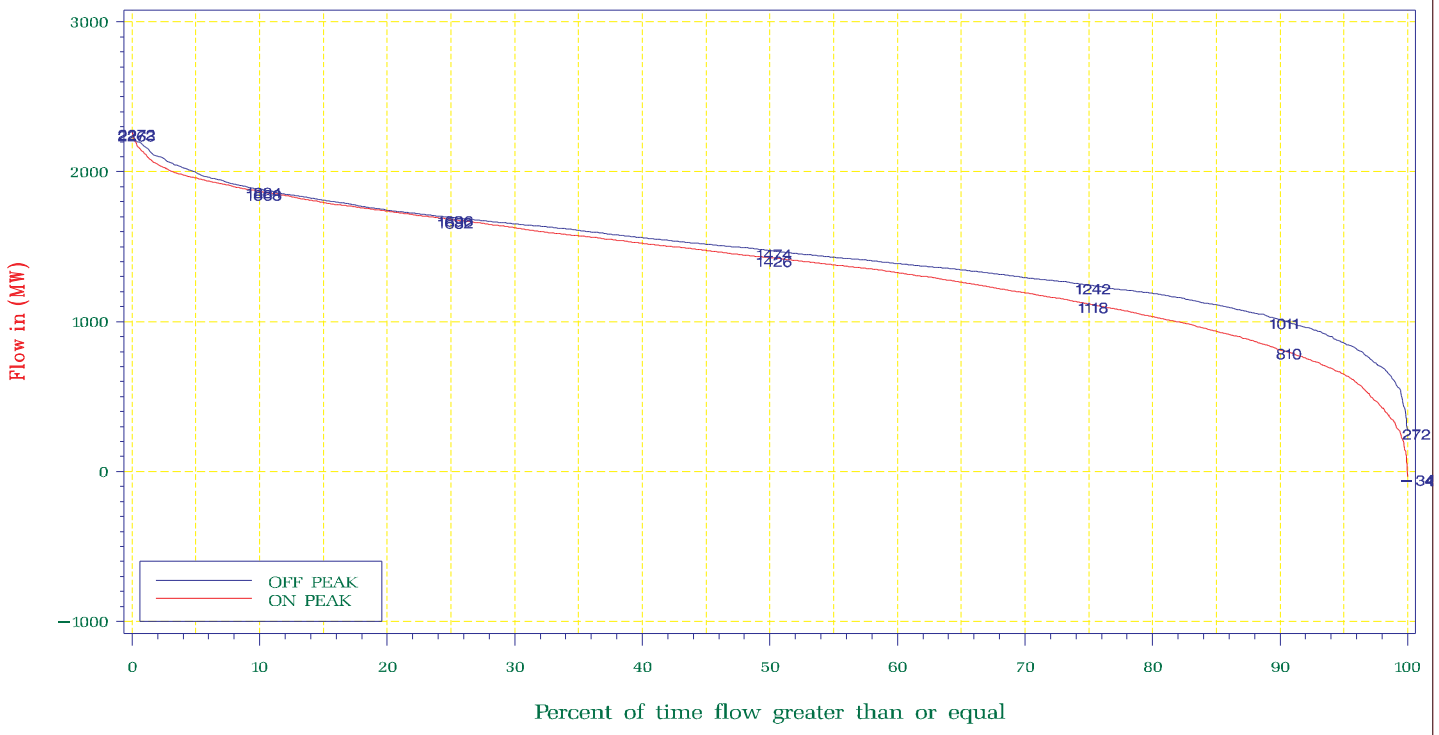
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2003

WEST CENTRAL

Genesee – Central



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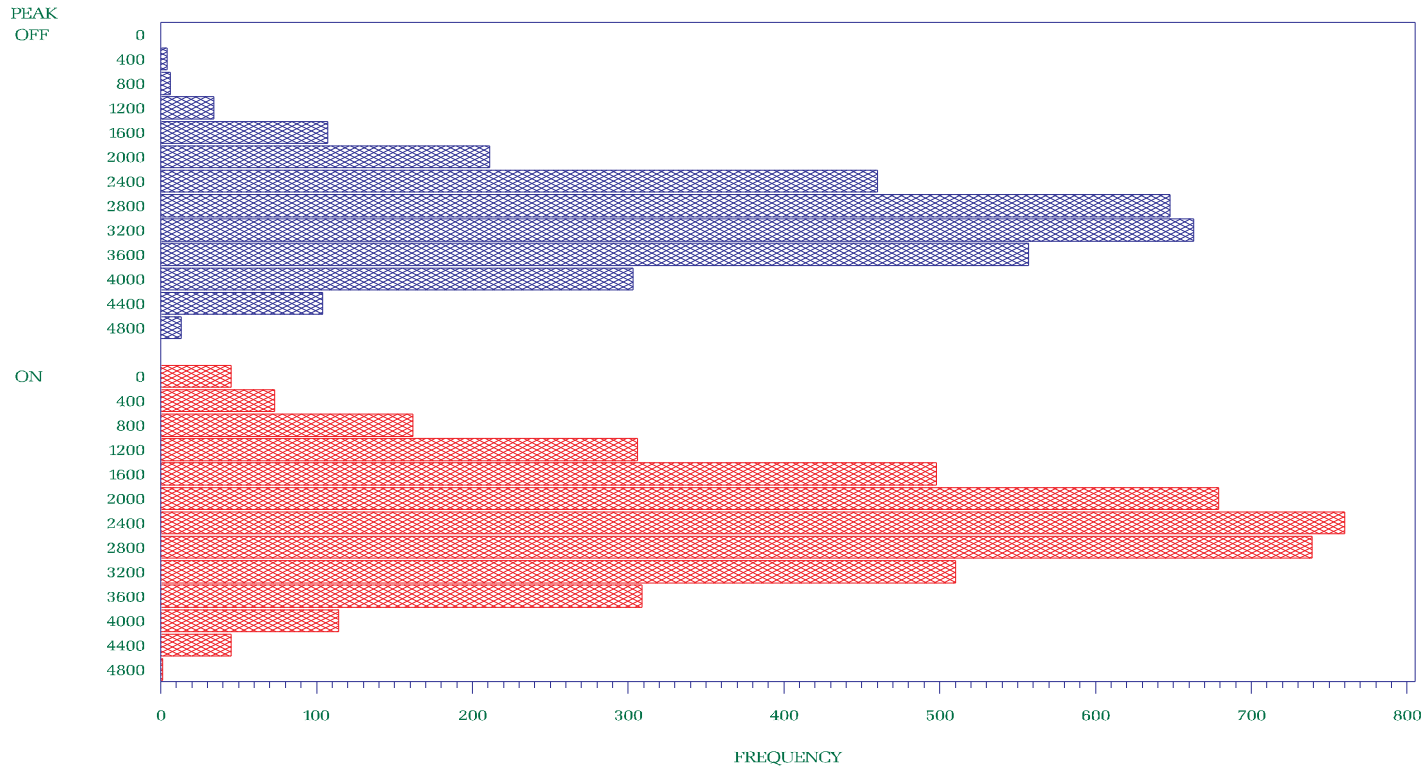
NYISO Frequency Interface Flow For January – December 2004

WEST CENTRAL (CLOSED)



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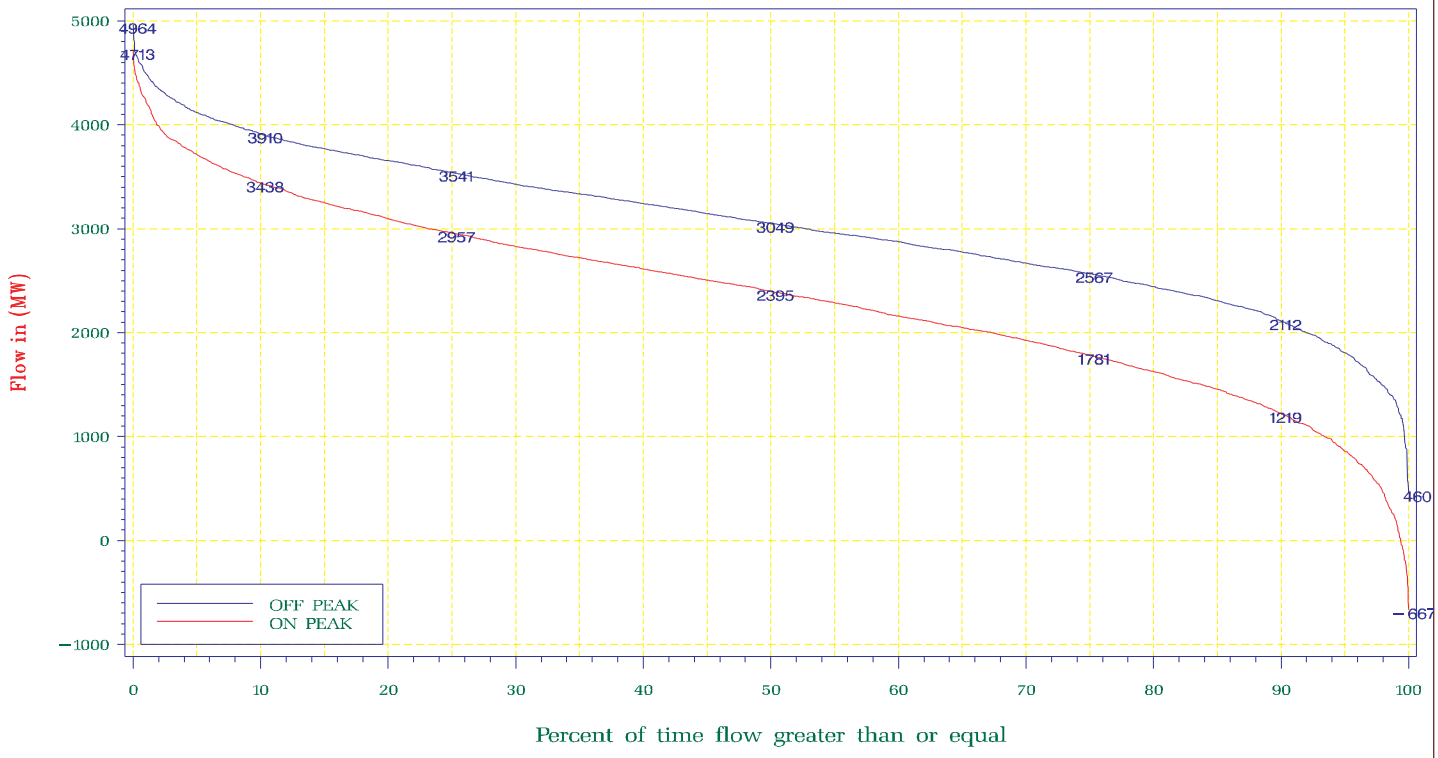
NYISO Percent of time Interface Flow For January – December 2003

WEST CENTRAL (CLOSED)



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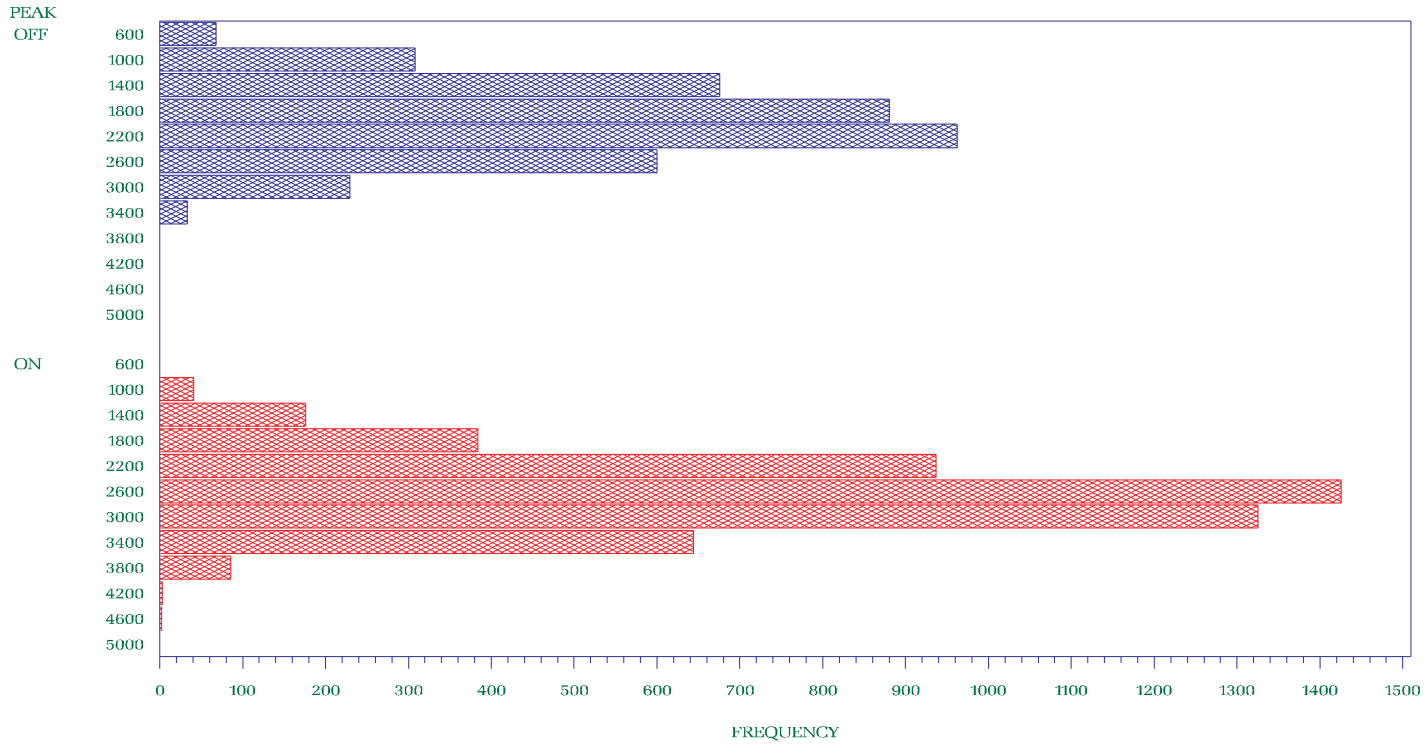
NYISO Frequency Interface Flow For January – December 2004

UPNY – CONED

Capital/Mid Hudson – Westchester



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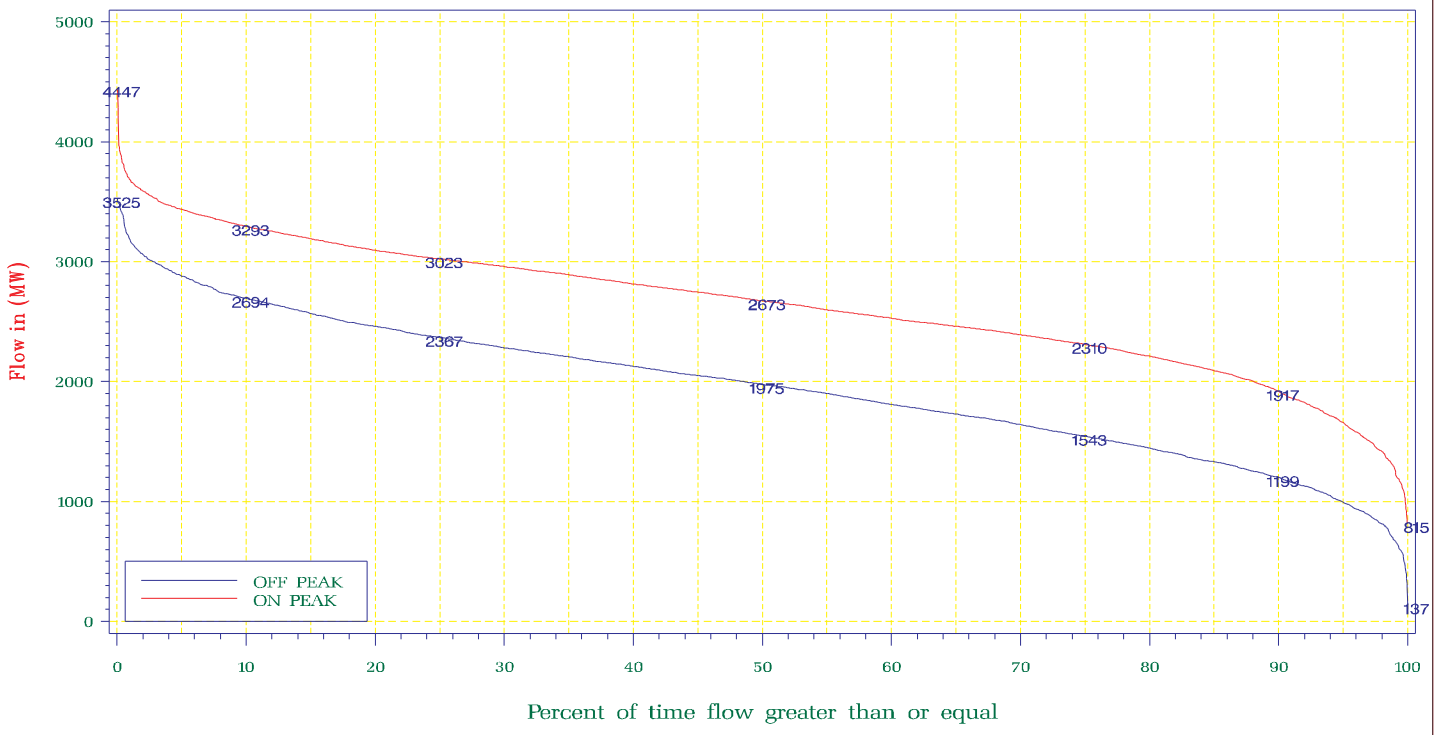
NYISO Percent of time Interface Flow For January – December 2003

UPNY – CONED

Capital/Mid Hudson – Westchester



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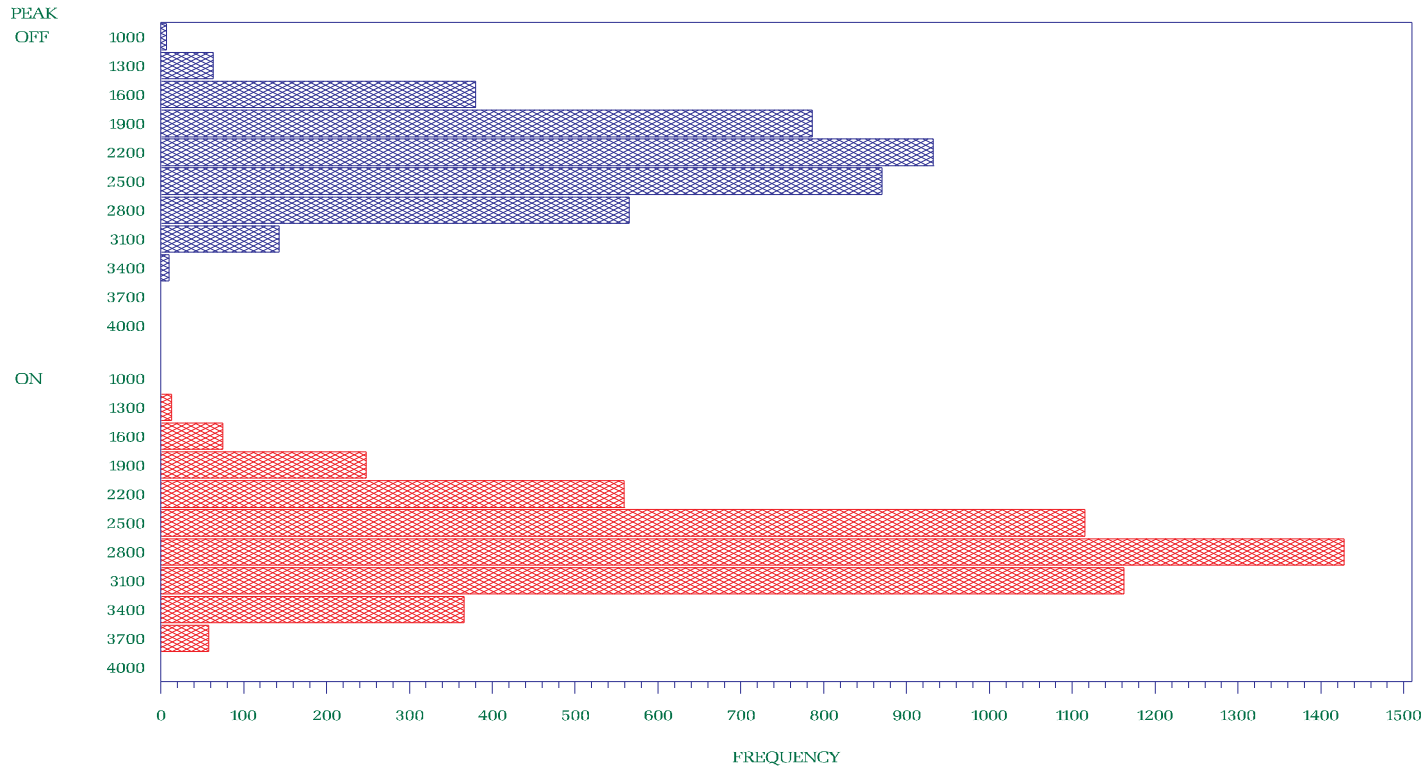
NYISO Frequency Interface Flow For January – December 2004

SPRAINBROOK – DUNWOODIE SOUTH



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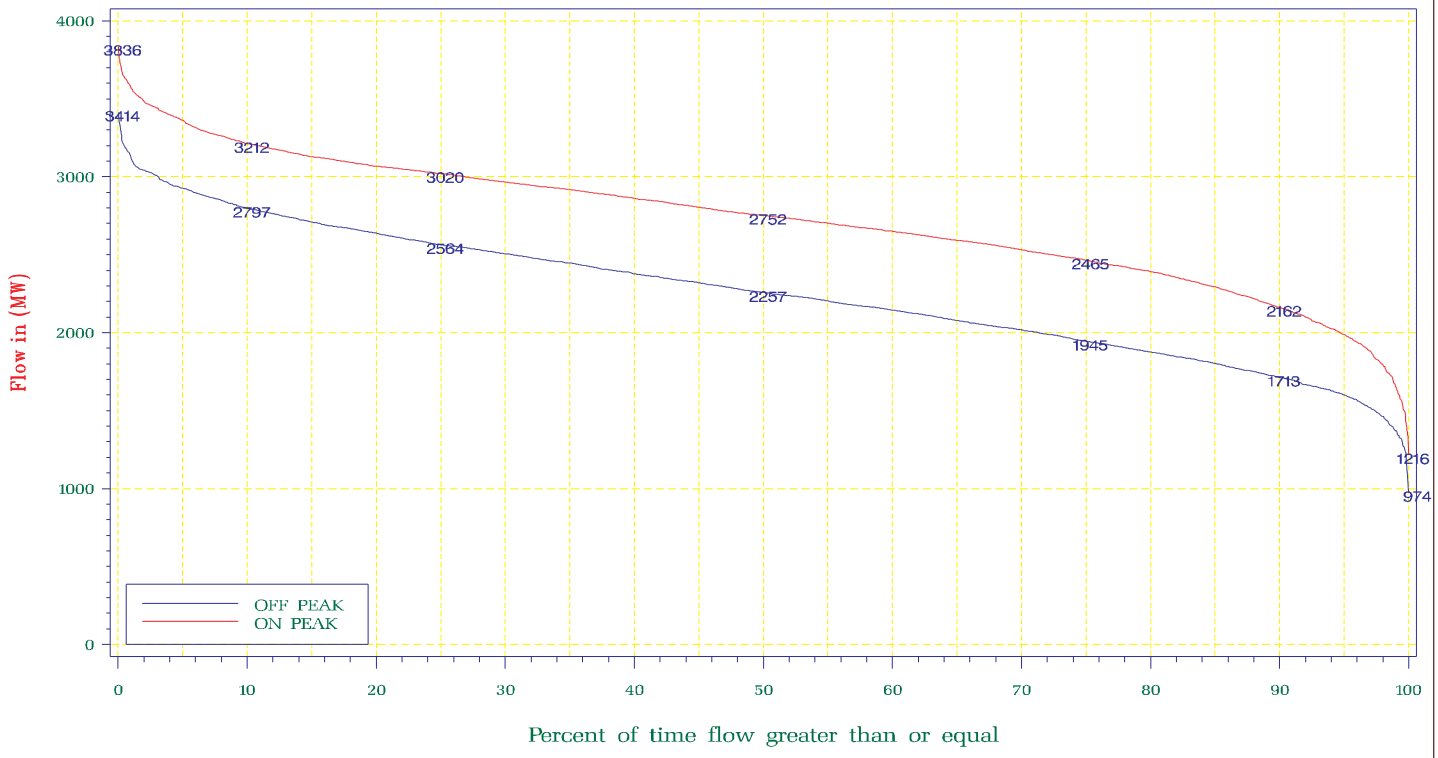
NYISO Percent of time Interface Flow For January – December 2003

SPRAINBROOK – DUNWOODIE SOUTH



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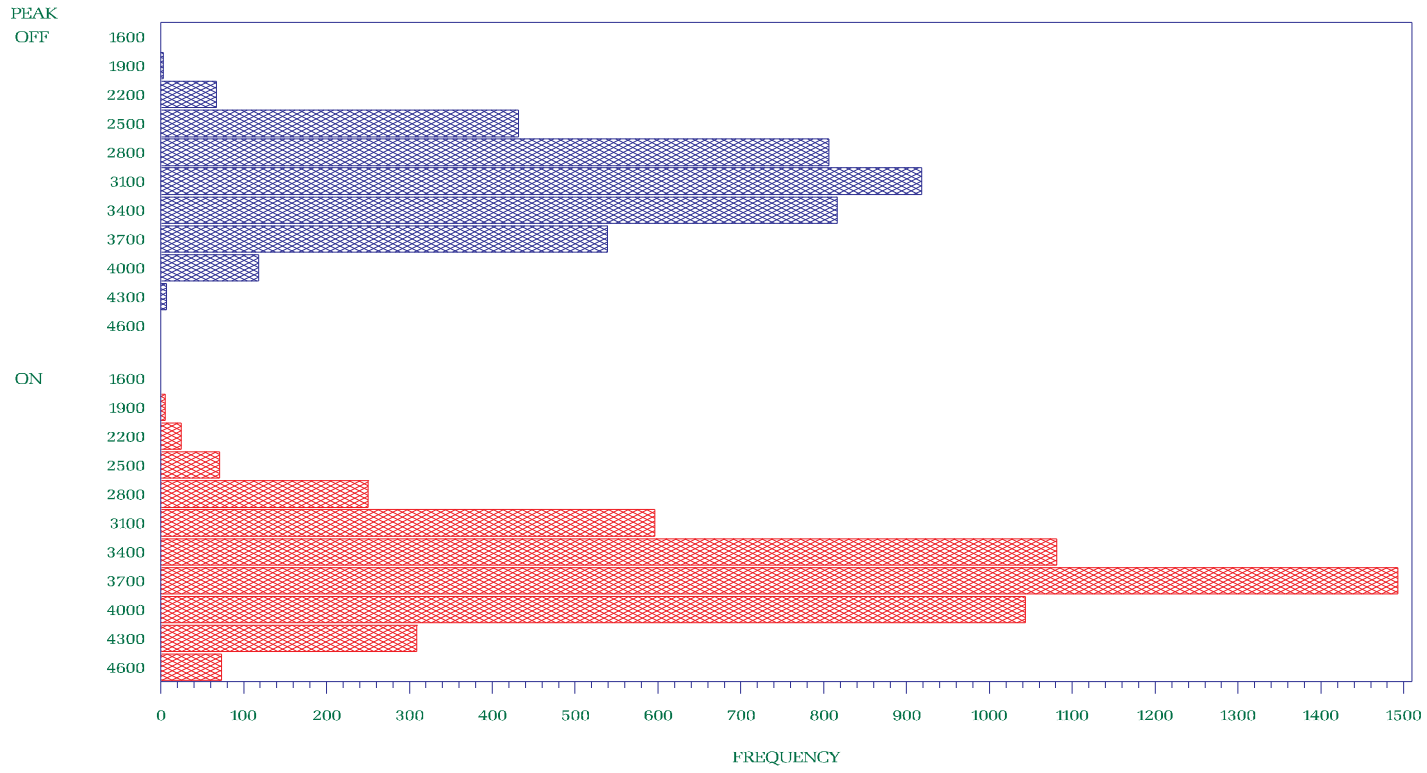
NYISO Frequency Interface Flow For January – December 2004

SPRAINBROOK – DUNWOODIE SOUTH (Closed)



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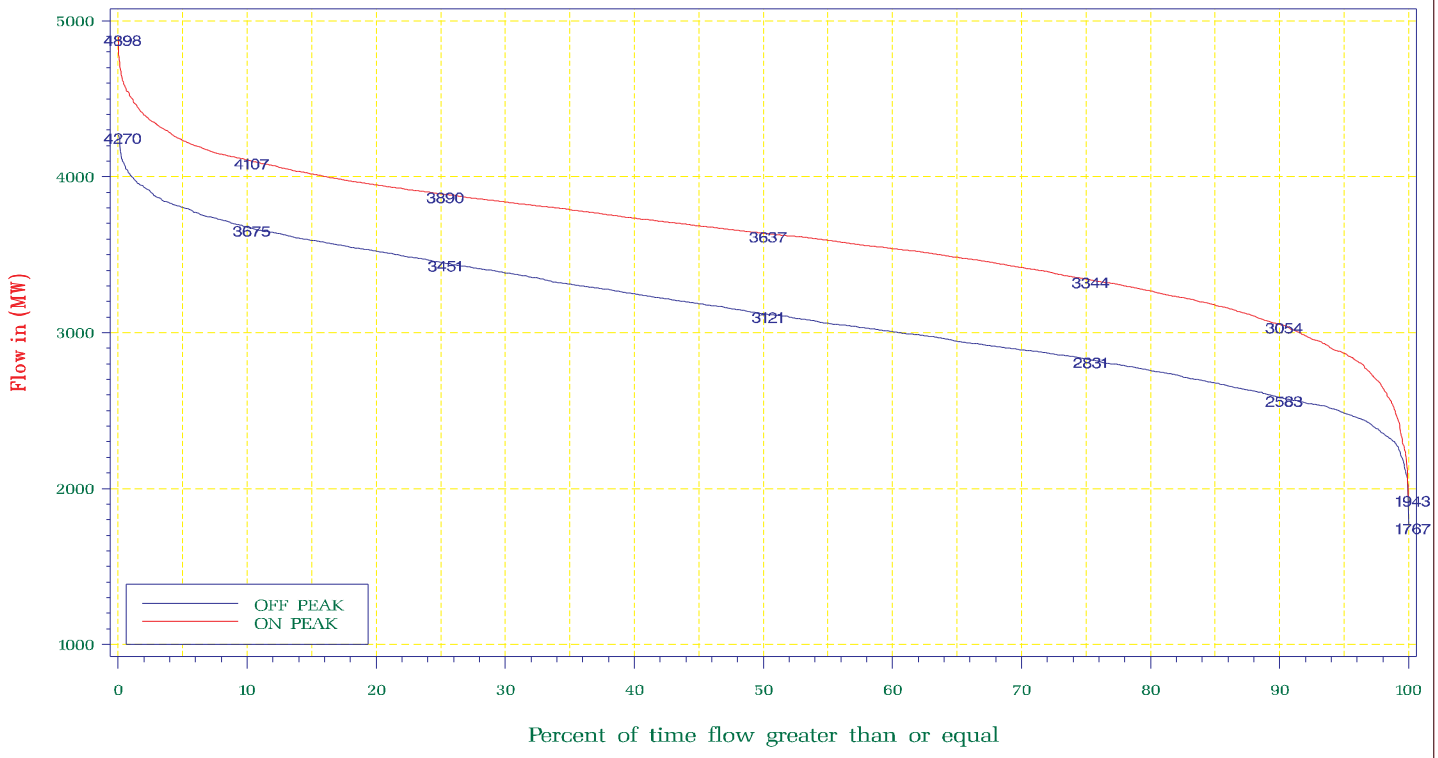
NYISO Percent of time Interface Flow For January – December 2003

SPRAINBROOK – DUNWOODIE SOUTH (Closed)



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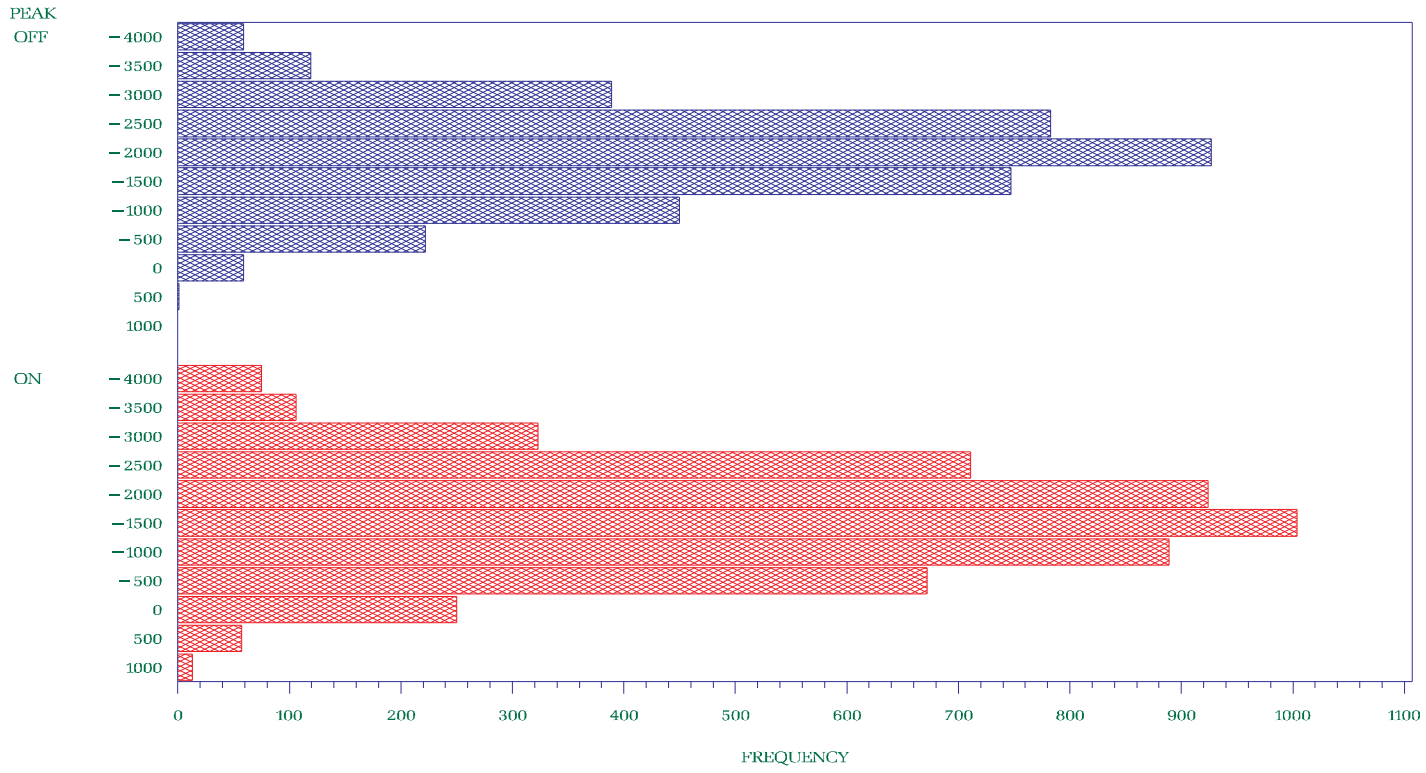
NYISO Frequency Interface Flow For January – December 2004

NY EXPORT



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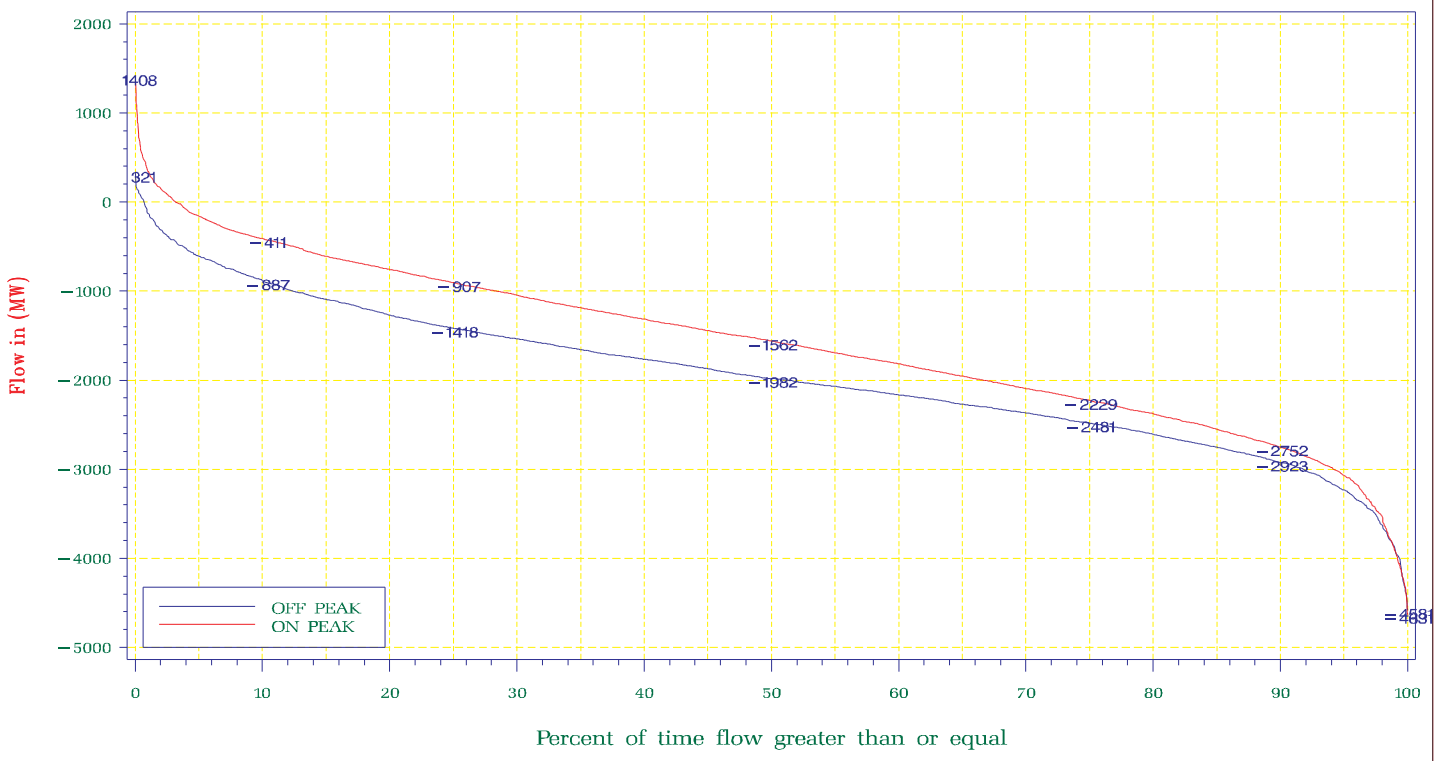
NYISO Percent of time Interface Flow For January – December 2003

NY EXPORT



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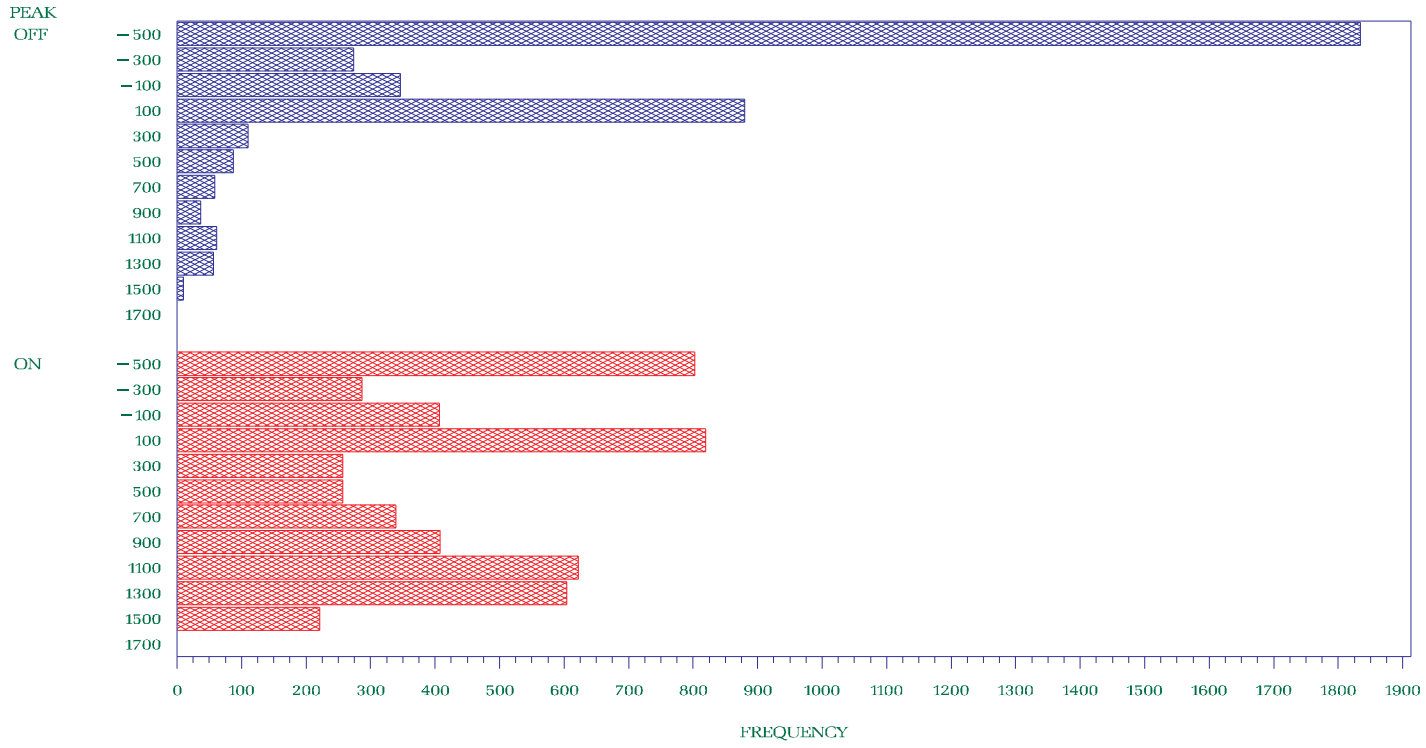
NYISO Frequency Interface Flow For January – December 2004

TE – NY SCHEDULE

Chateauguay – Massena



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NYISO Percent of time Interface Flow For January – December 2003

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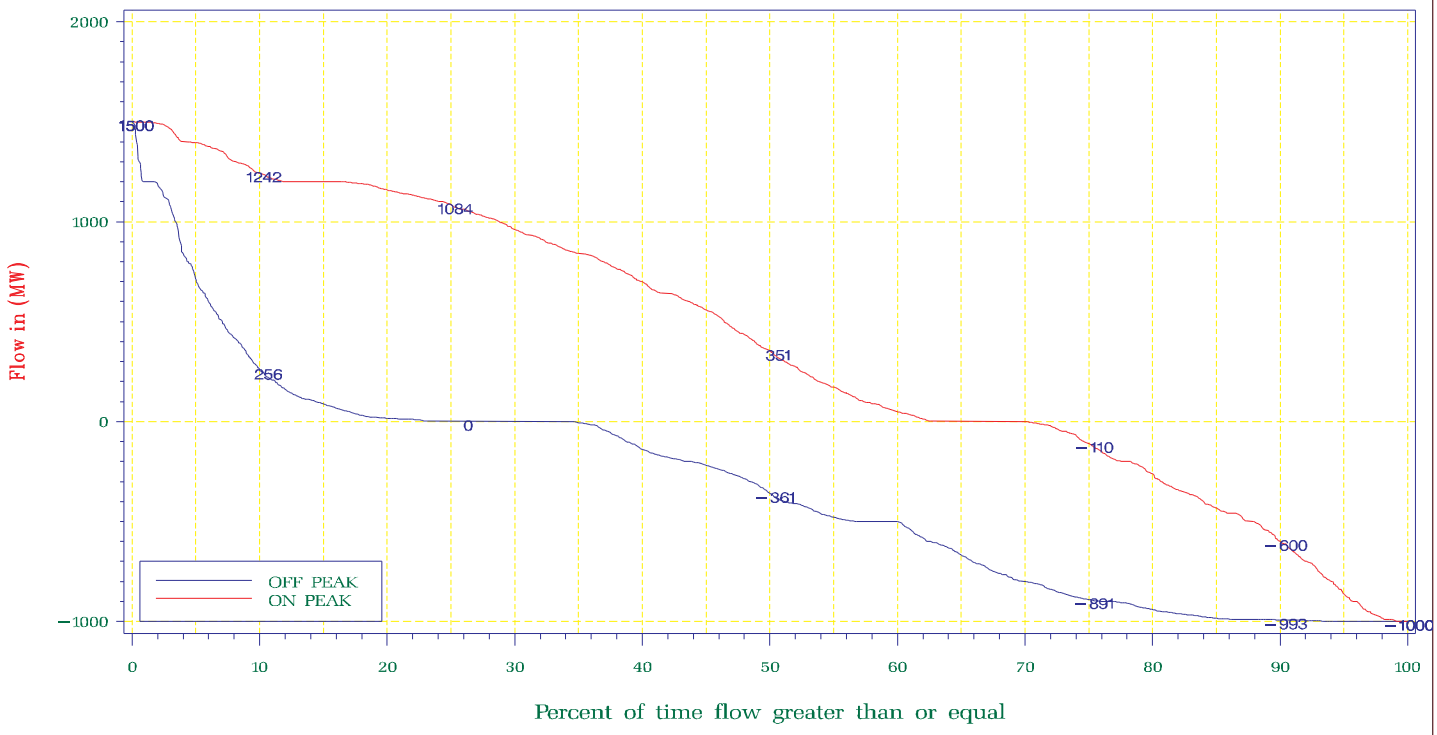

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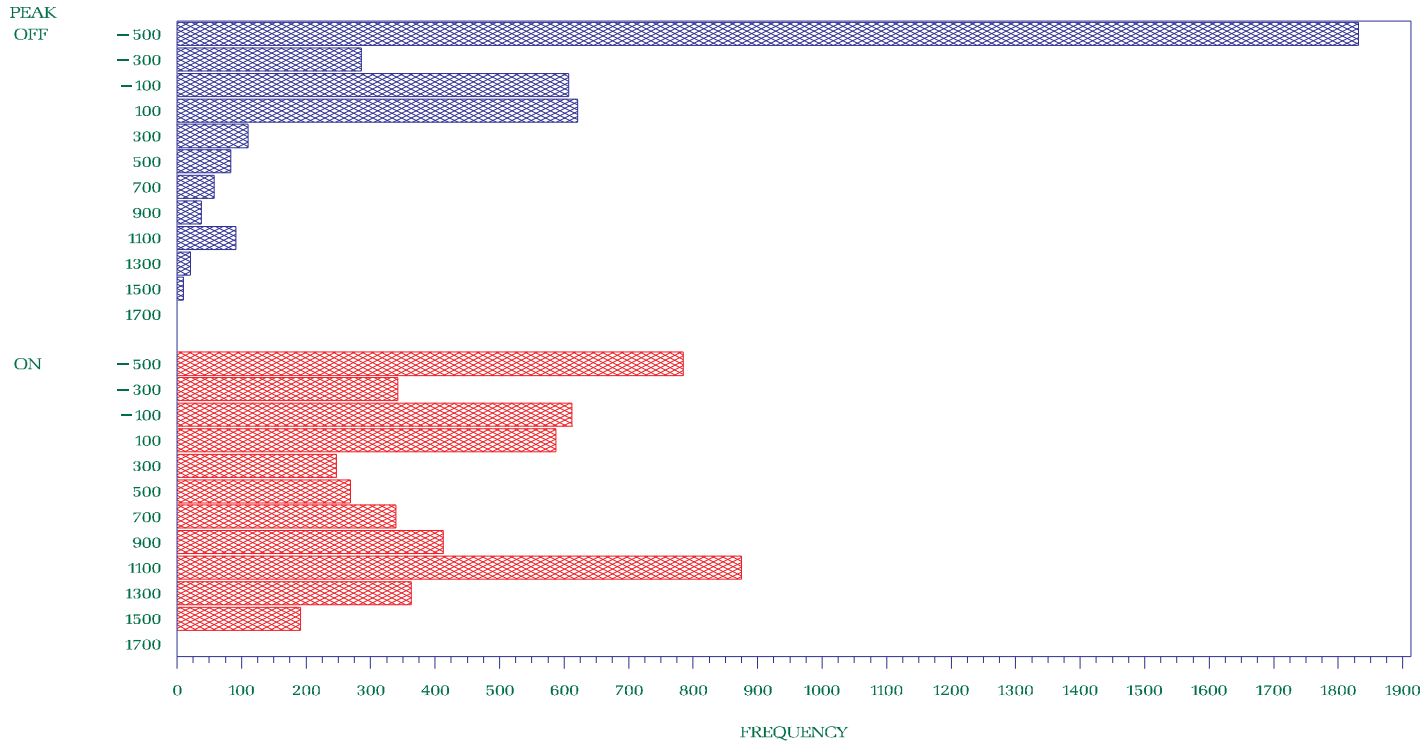
NYISO Frequency Interface Flow For January – December 2004

TE – NY

Chateauguay – Massena



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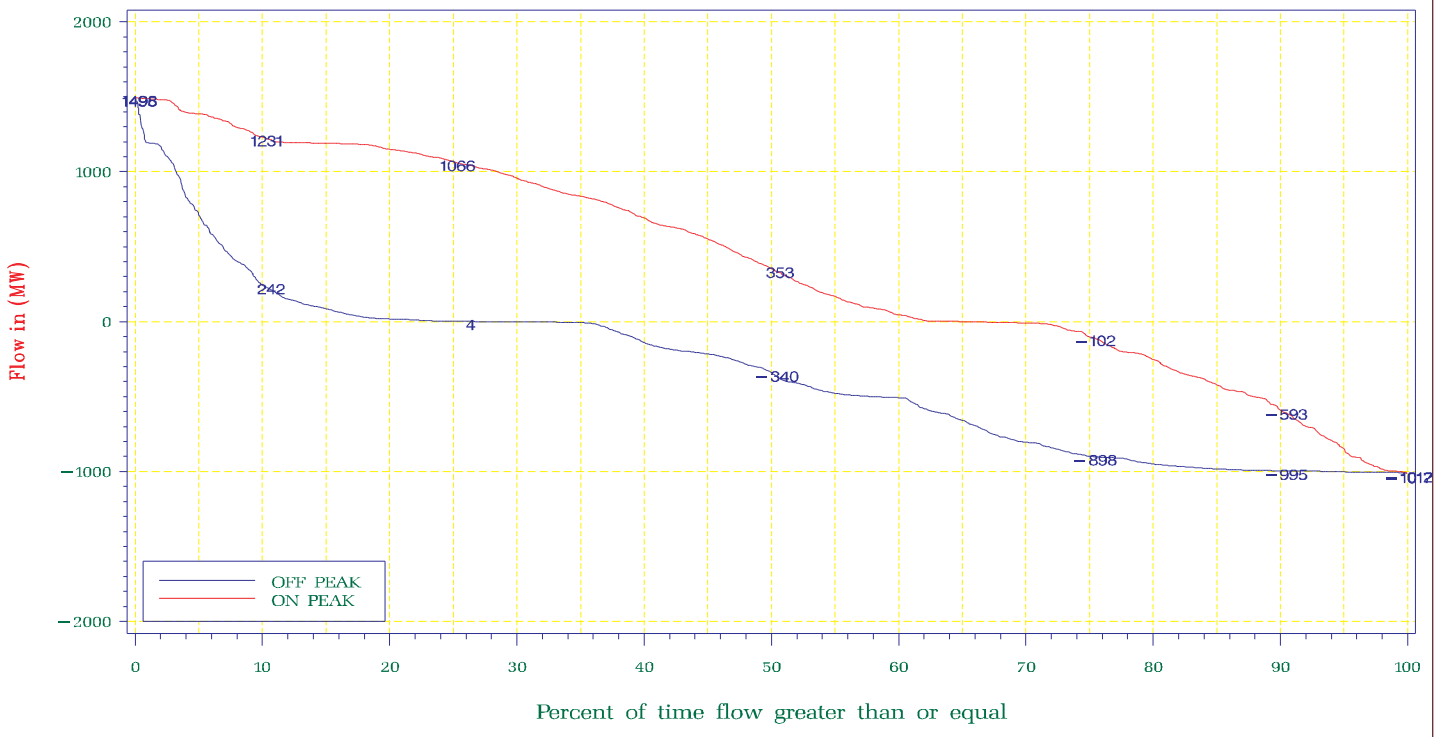
NYISO Percent of time Interface Flow For January – December 2003

TE – NY

Chateauguay – Massena



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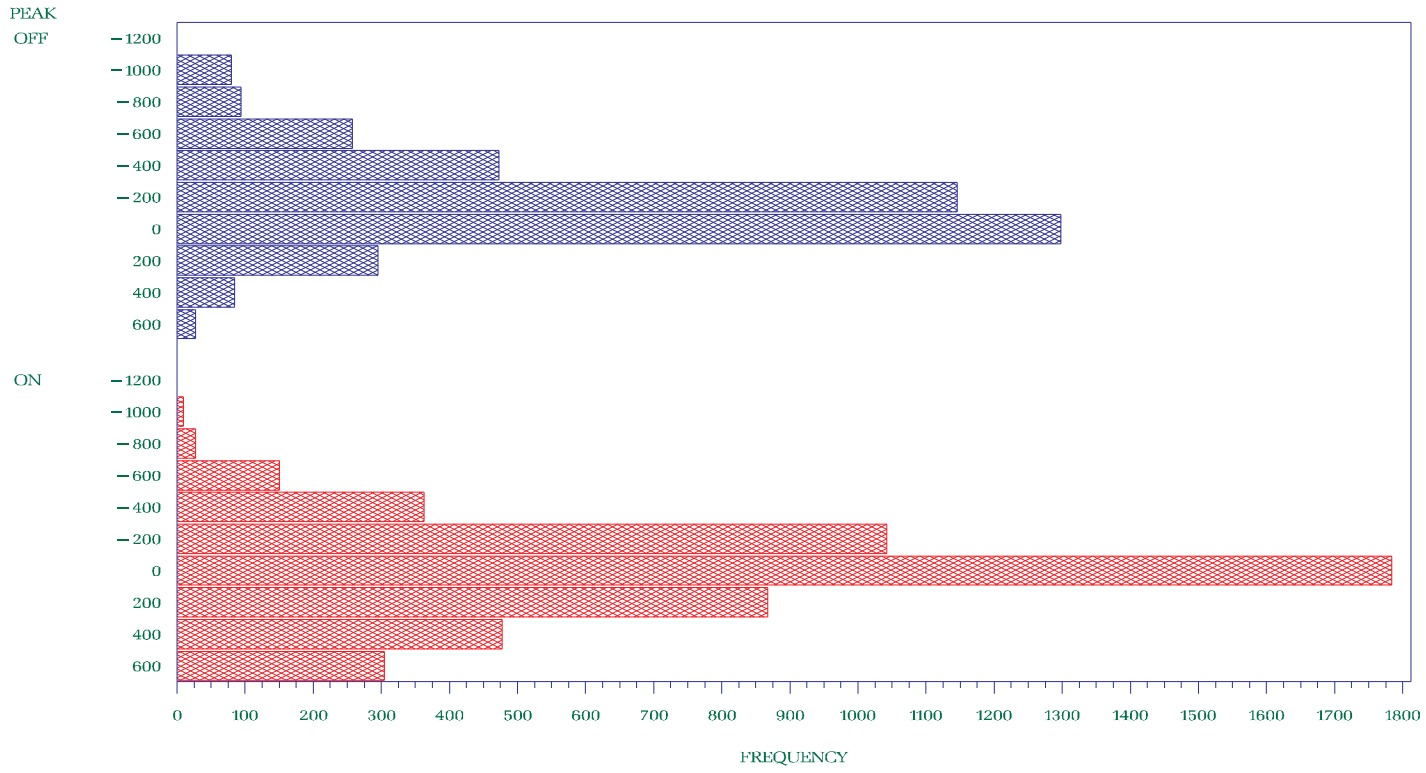
NYISO Frequency Interface Flow For January – December 2004

New England – NY SCHEDULE



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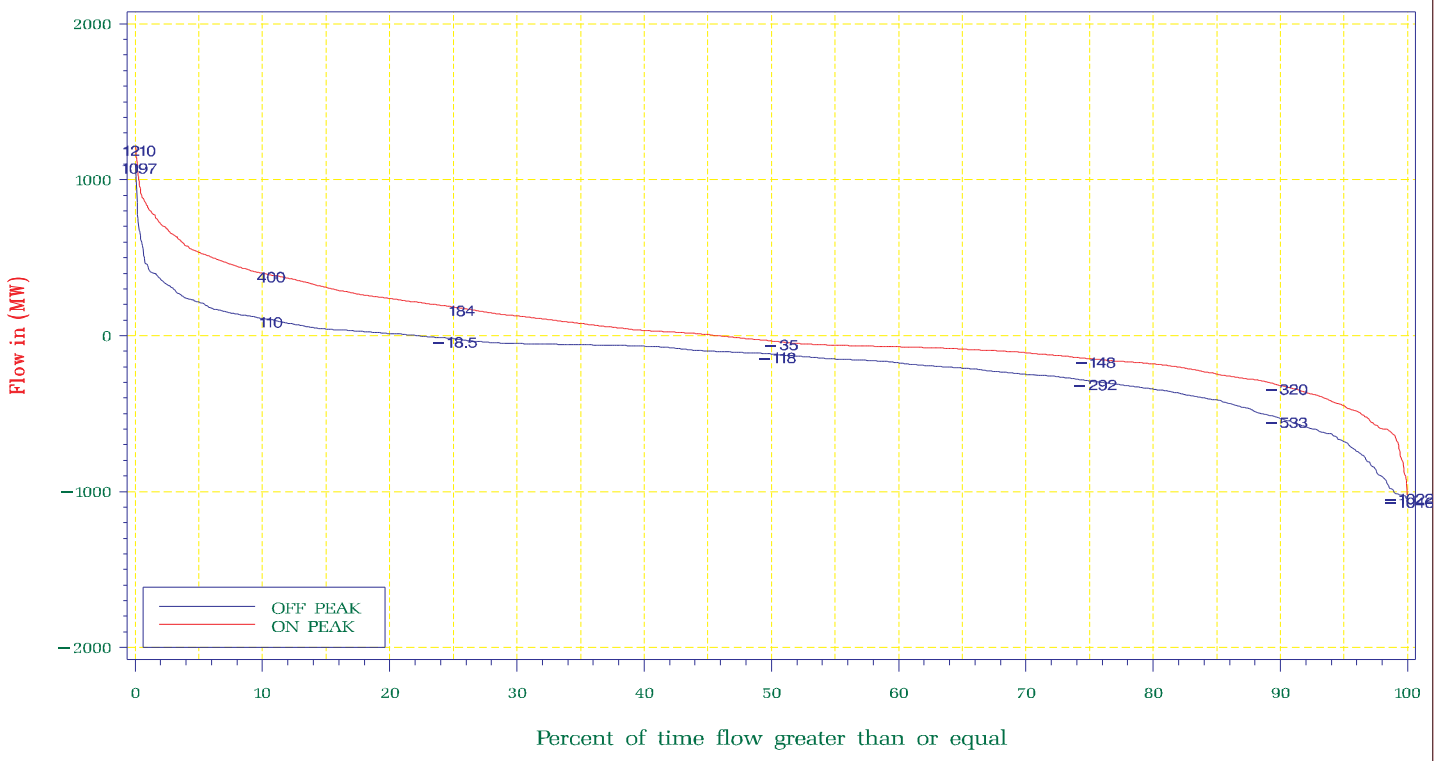
NYISO Percent of time Interface Flow For January – December 2003

New England – NY SCHEDULE



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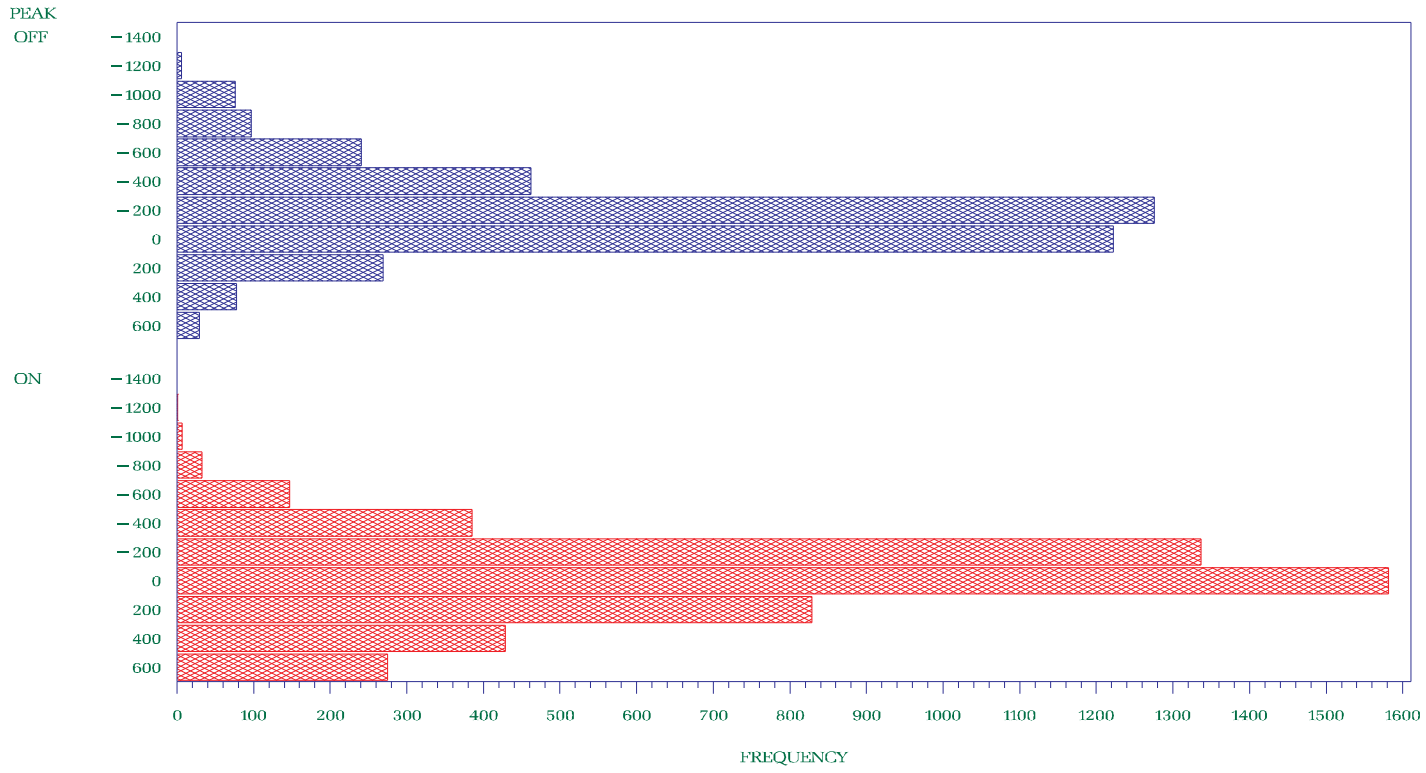
NYISO Frequency Interface Flow For January – December 2004

New England – NY



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NYISO Percent of time Interface Flow For January – December 2003

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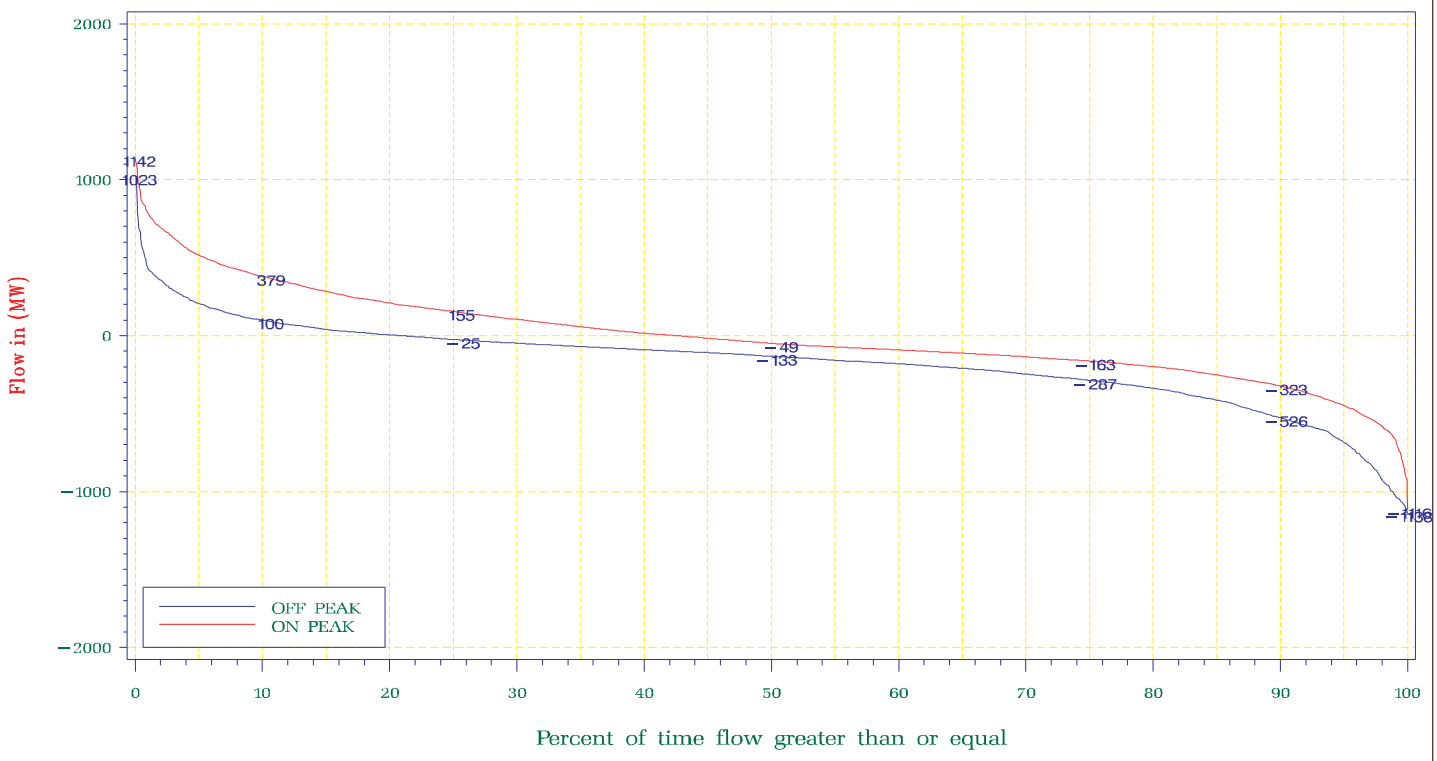

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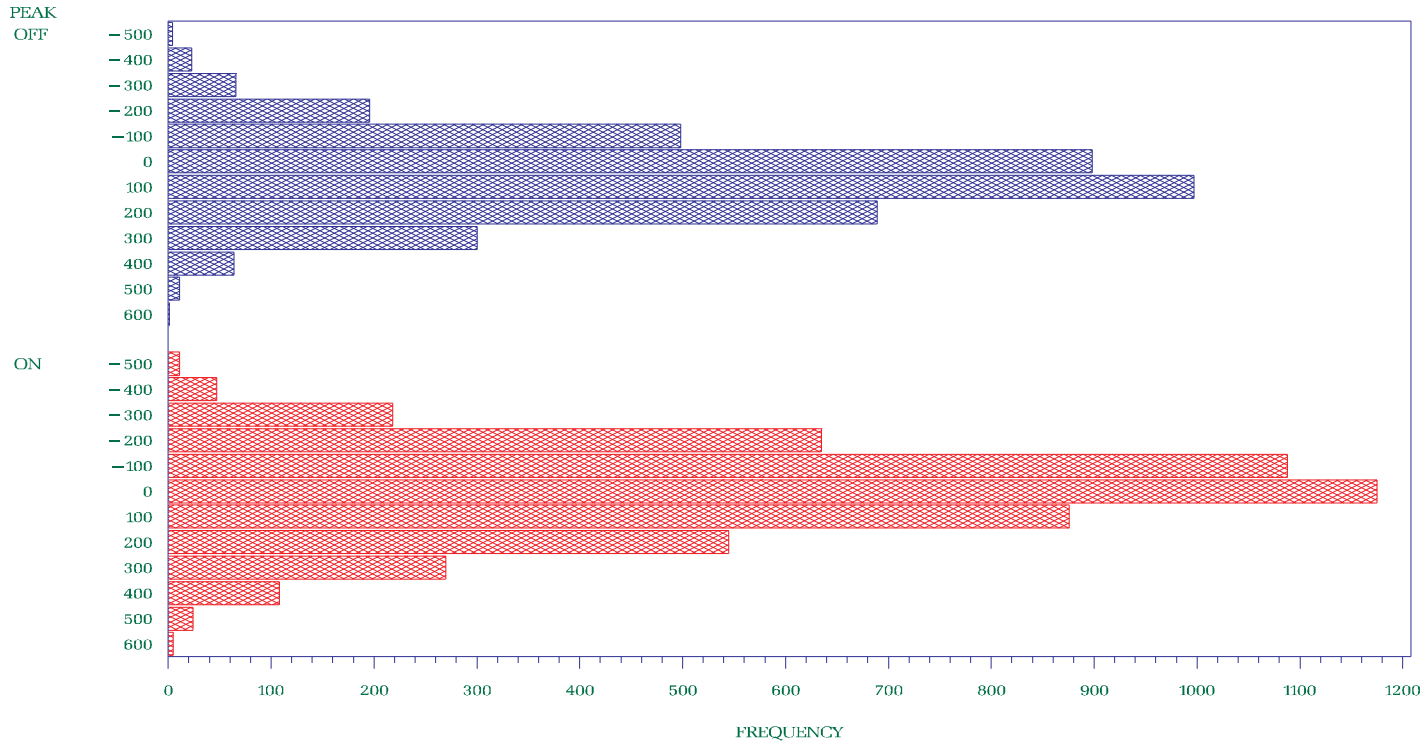
NYISO Frequency Interface Flow For January – December 2004

New England/NU South – Capital/Mid Hudson

398 Long Mt. – Pleasant Valley



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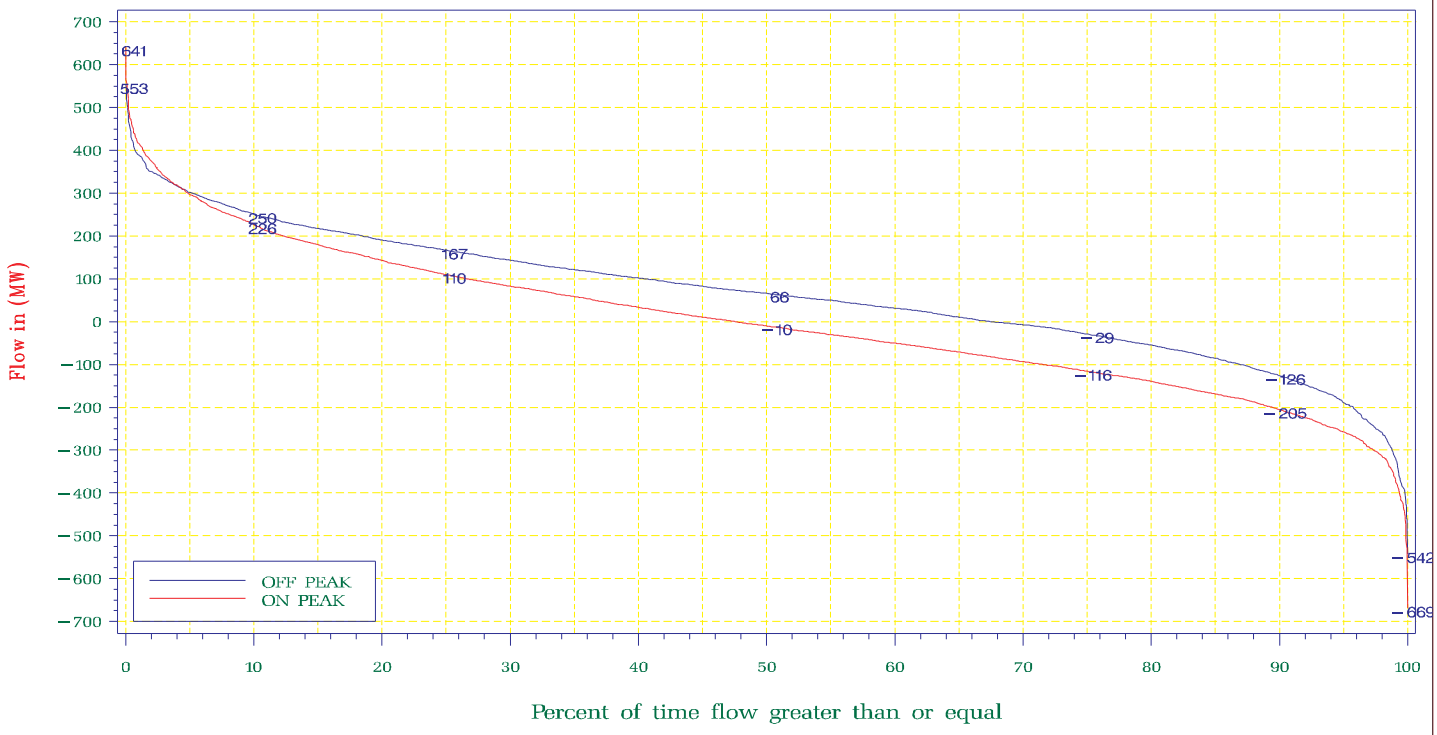
NYISO Percent of time Interface Flow For January – December 2003

New England/NU South – Capital/Mid Hudson

398 Long Mt. – Pleasant Valley



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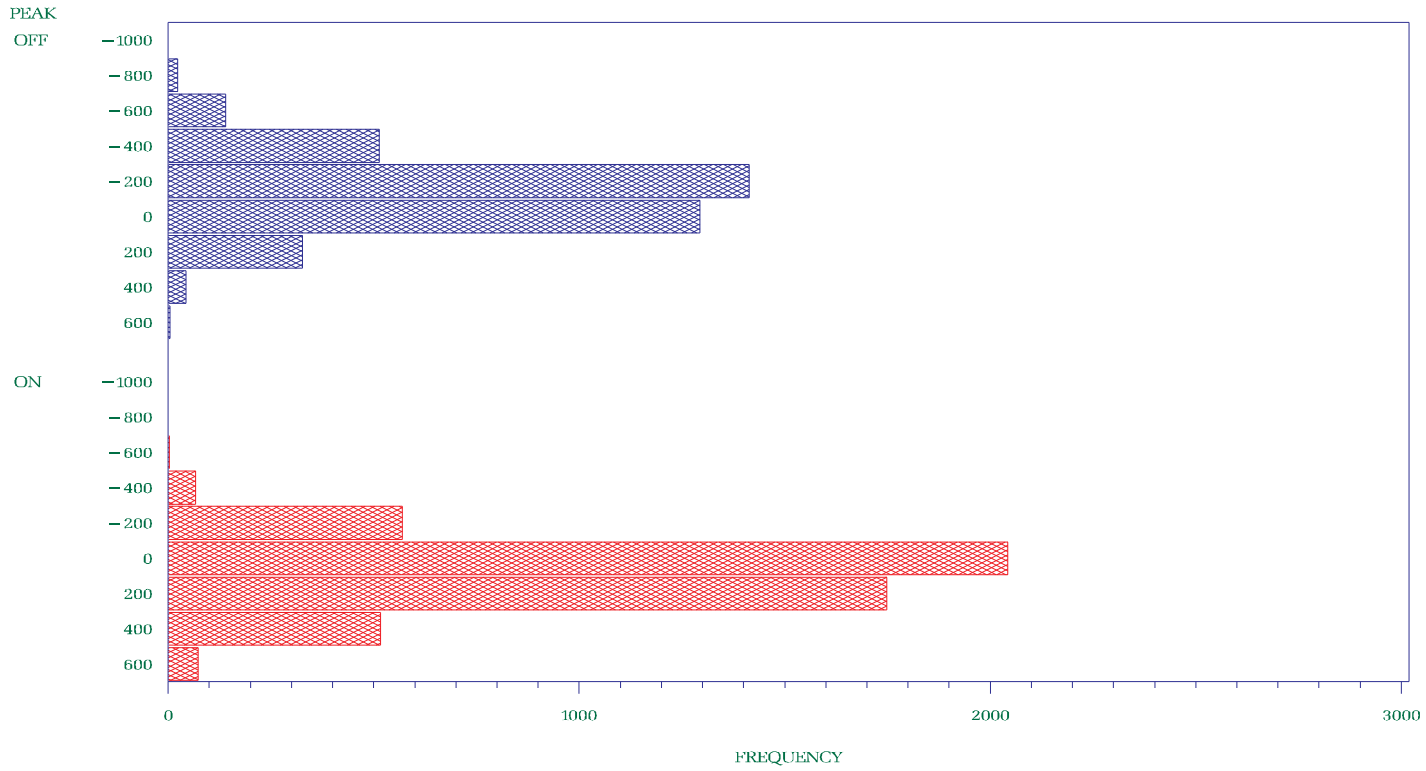
NYISO Frequency Interface Flow For January – December 2004

New England/Vt/NE/NU South – Capital/Mid Hudson



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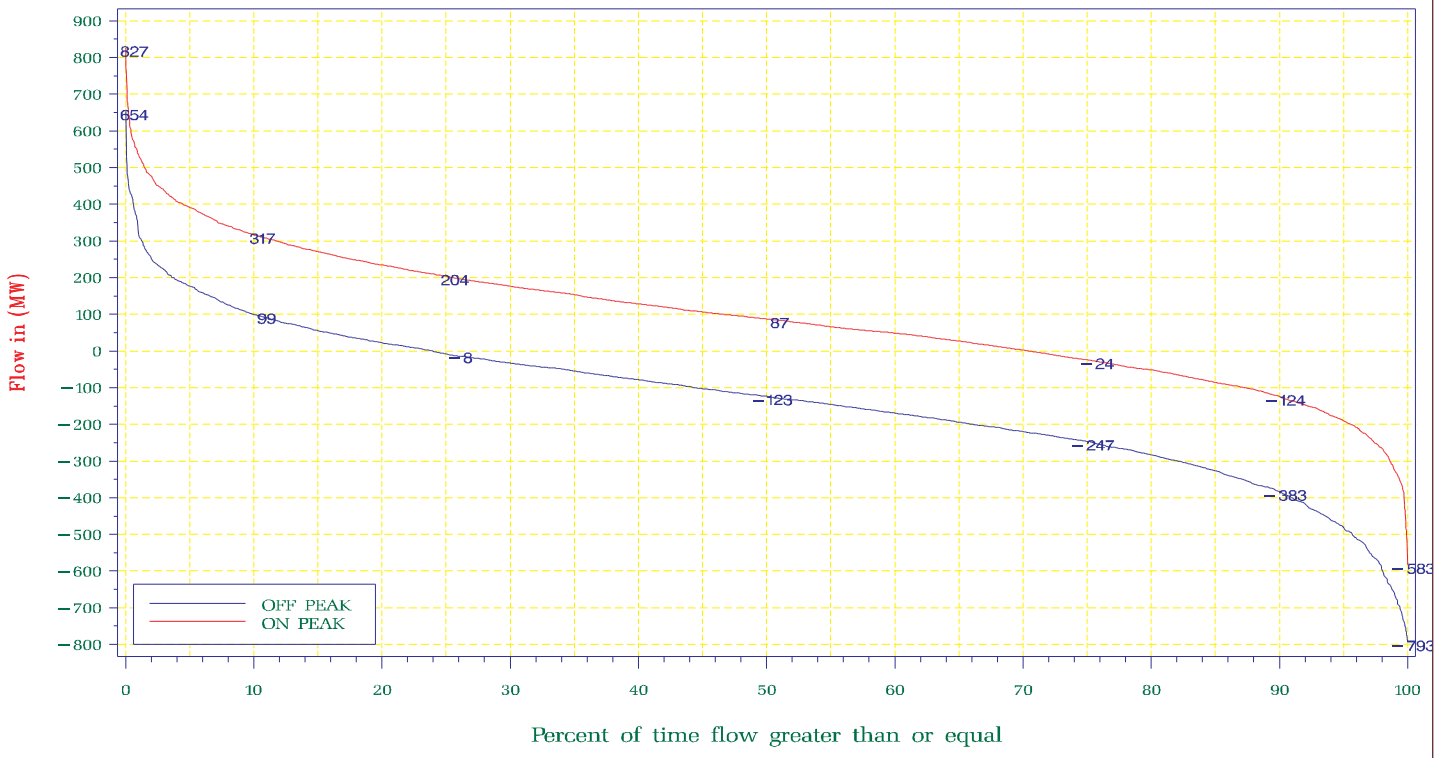
NYISO Percent of time Interface Flow For January – December 2003

New England/Vt/NE/NU South – Capital/Mid Hudson



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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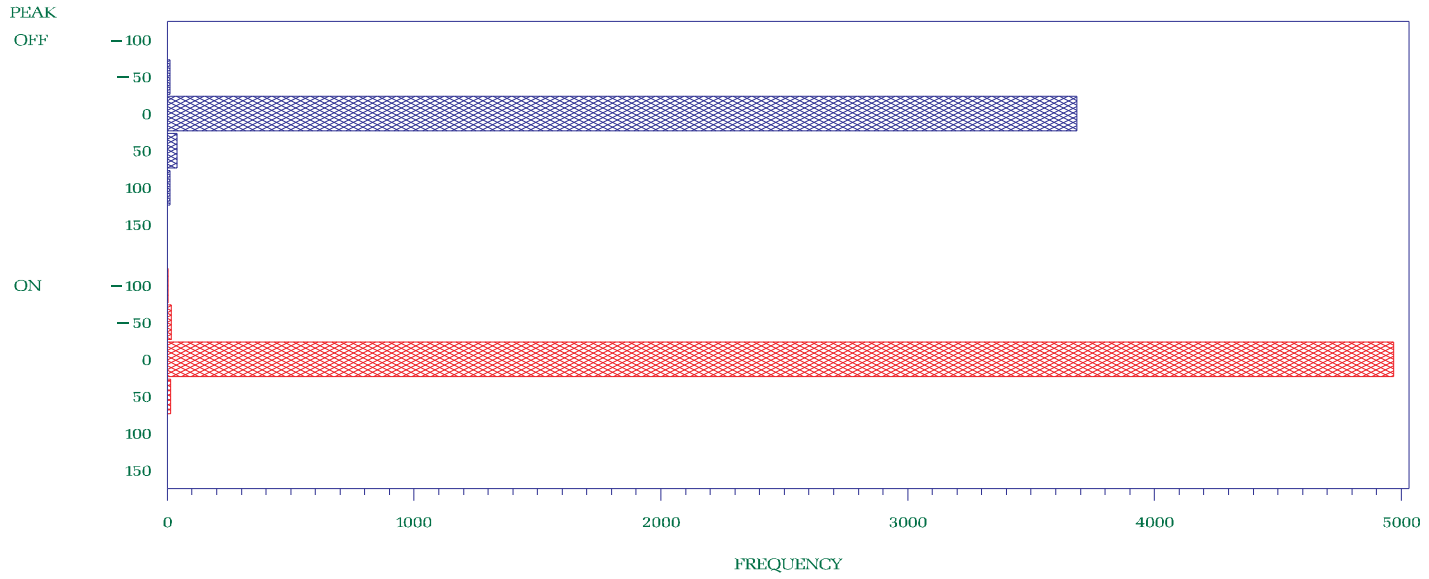
NYISO Frequency Interface Flow For January – December 2004

New England/NU – Long Island



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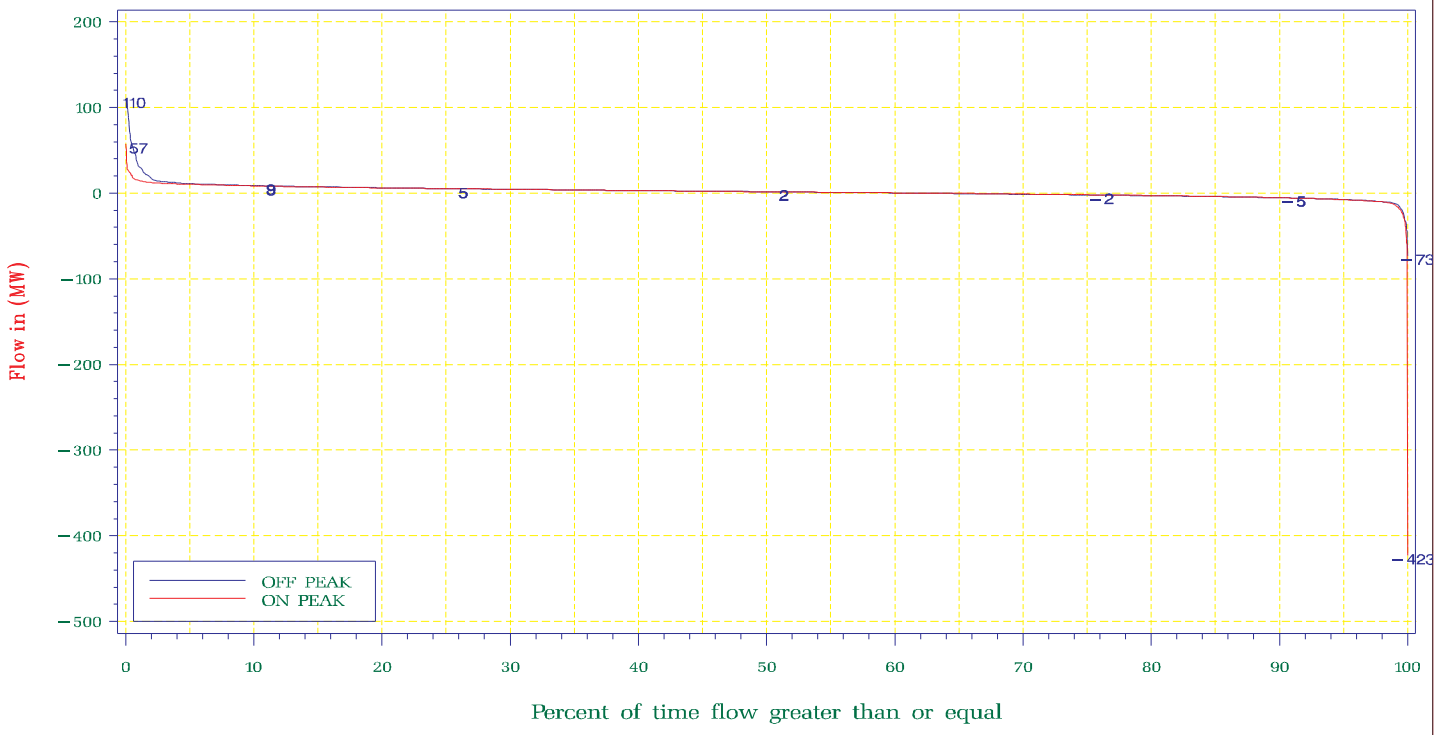
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2003

New England/NU – Long Island

1385 Northport – Norwalk Harbor



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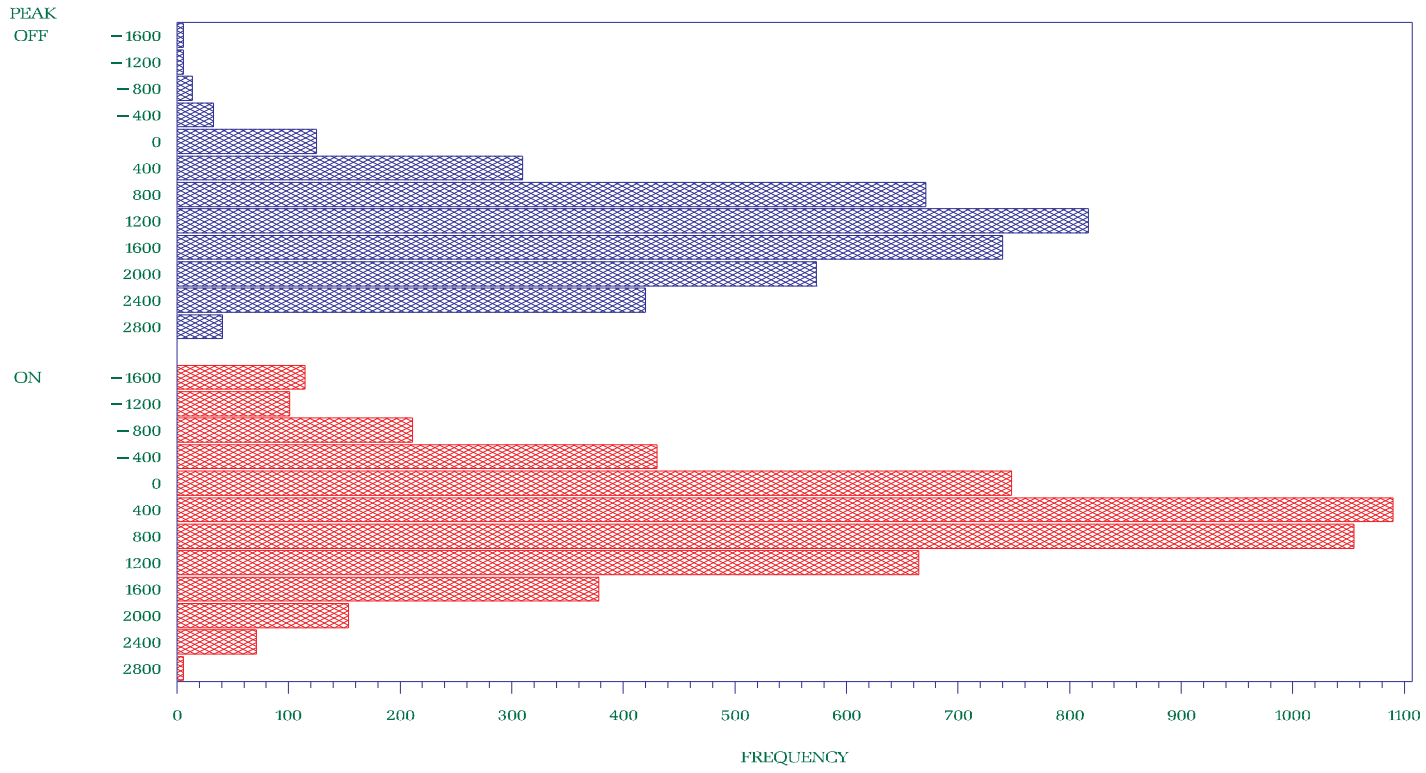
NYISO Frequency Interface Flow For January – December 2004

PJM – NY SCHEDULE



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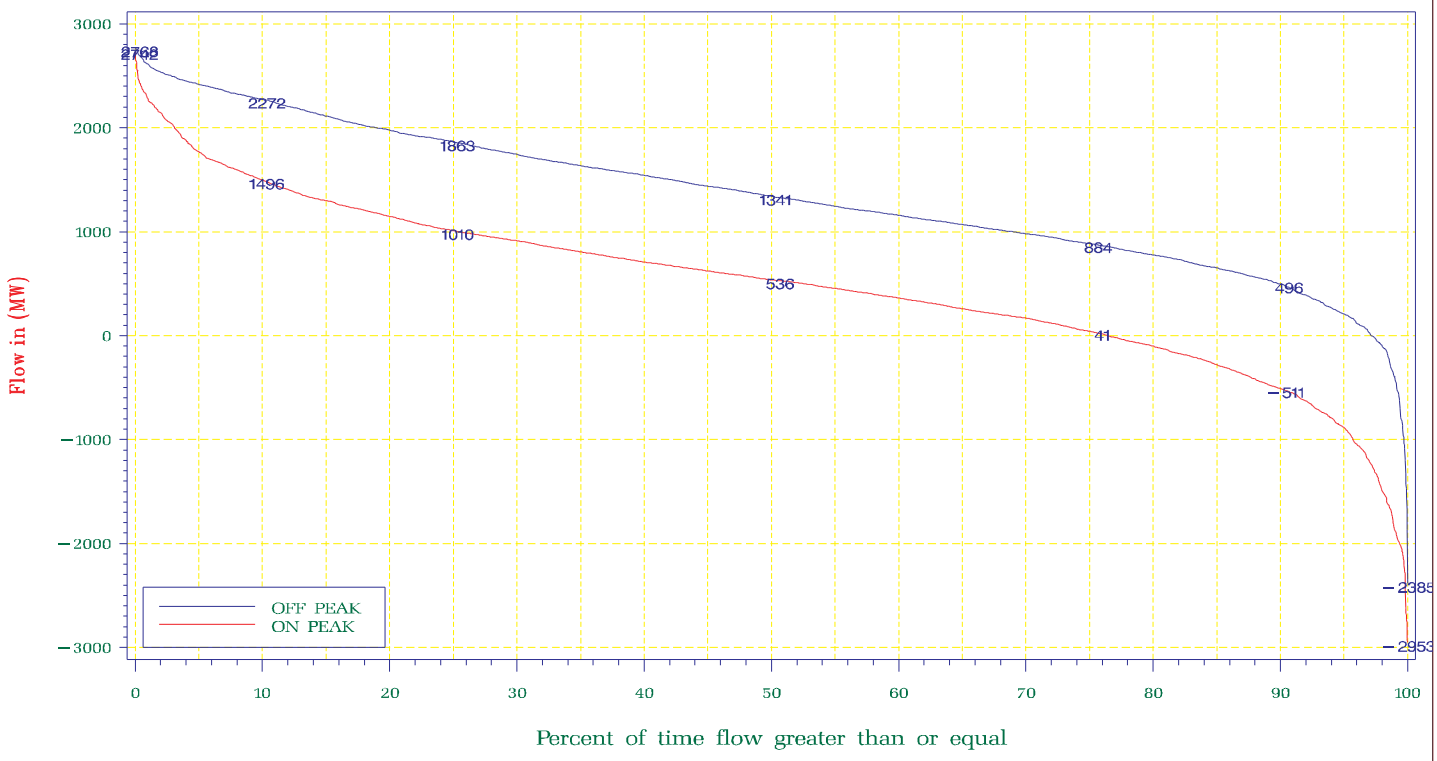
NYISO Percent of time Interface Flow For January – December 2003

PJM – NY SCHEDULE



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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NYISO Frequency Interface Flow For January – December 2004

PJM – NY

OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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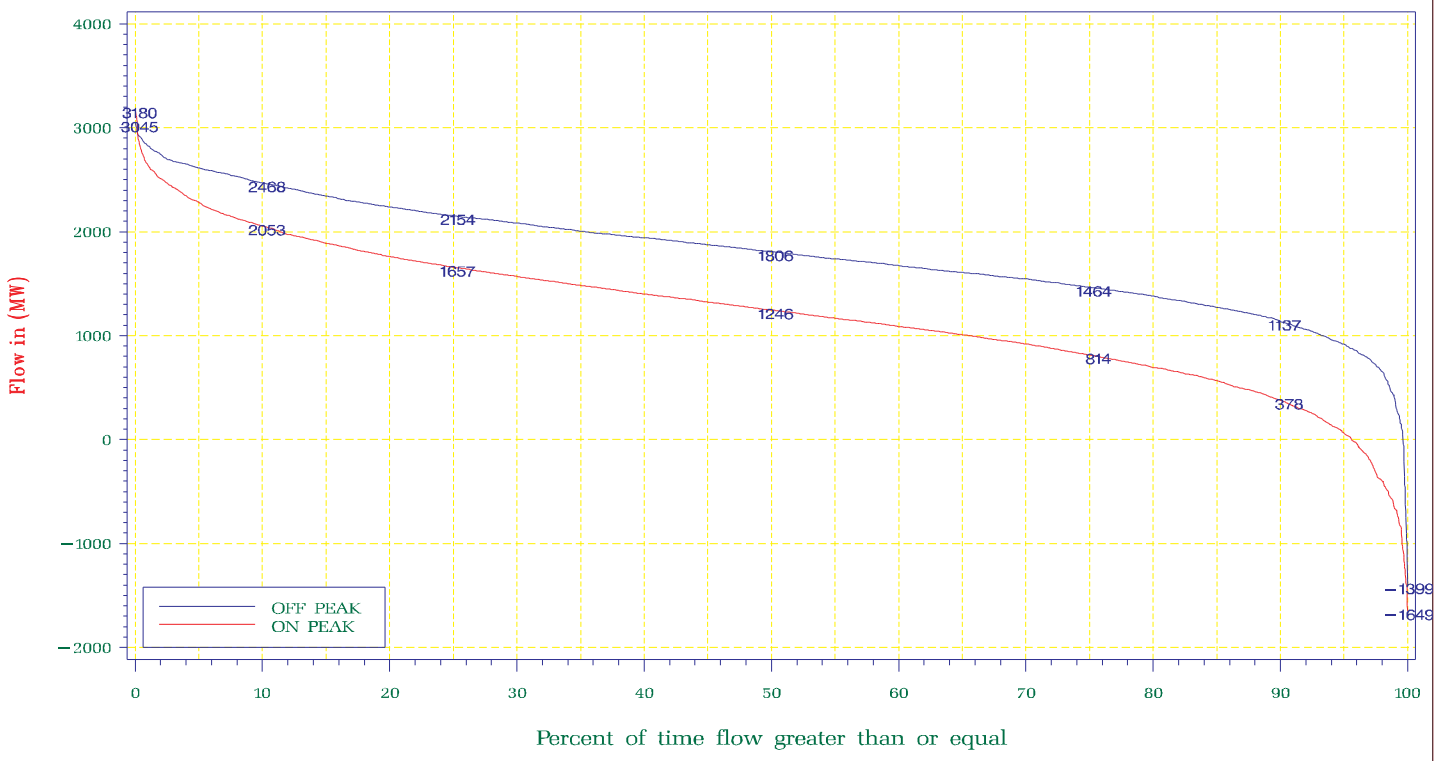
NYISO Percent of time Interface Flow For January – December 2003

PJM – NY



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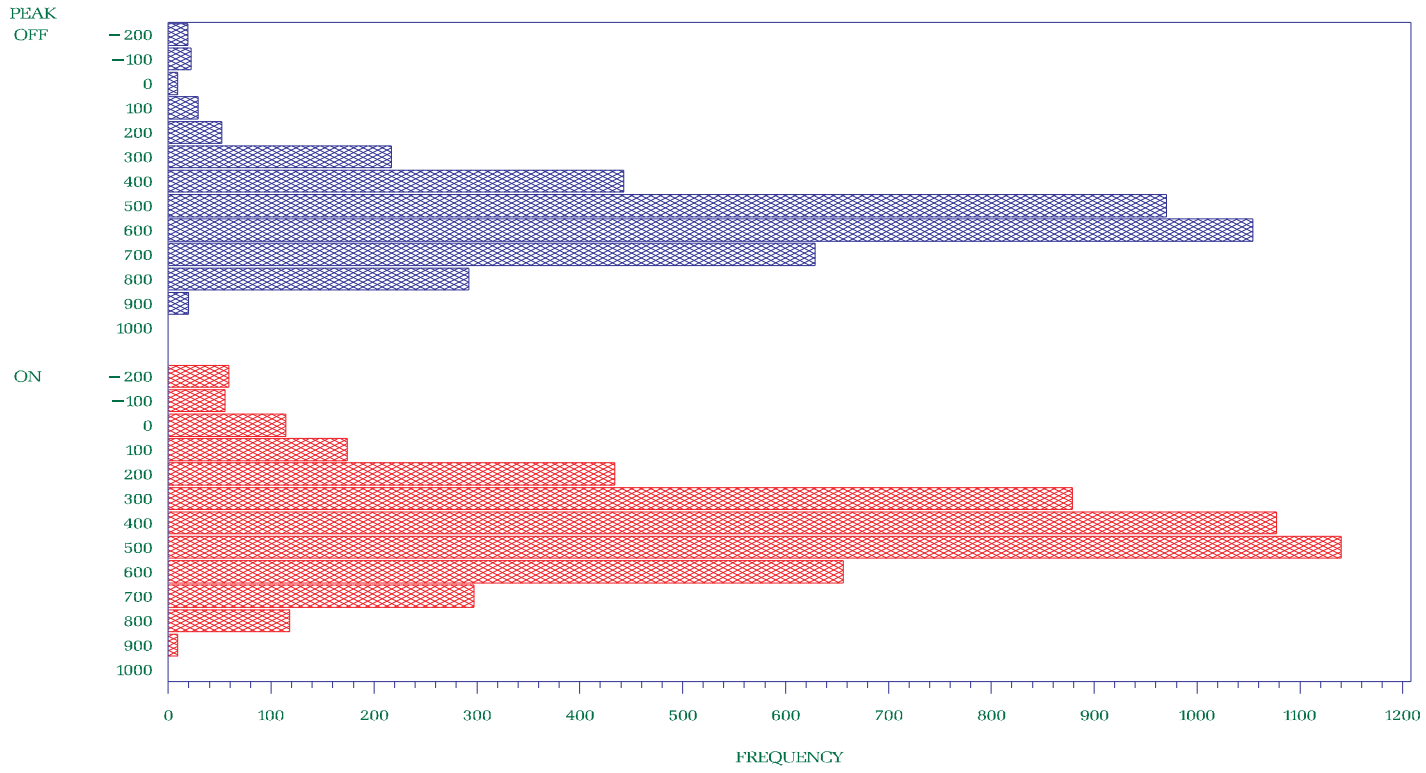
NYISO Frequency Interface Flow For January – December 2004

PJM West – Central



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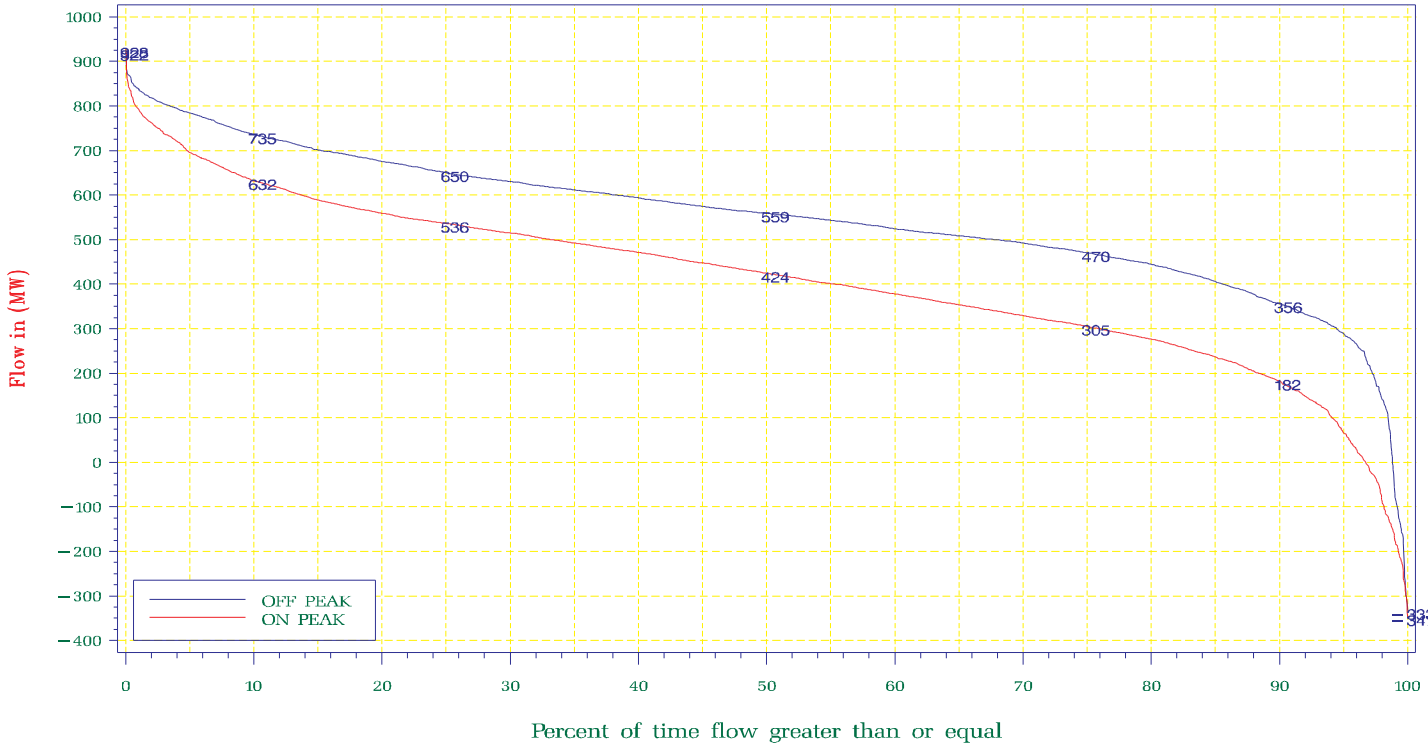
NYISO Percent of time Interface Flow For January – December 2003

PJM West – Central



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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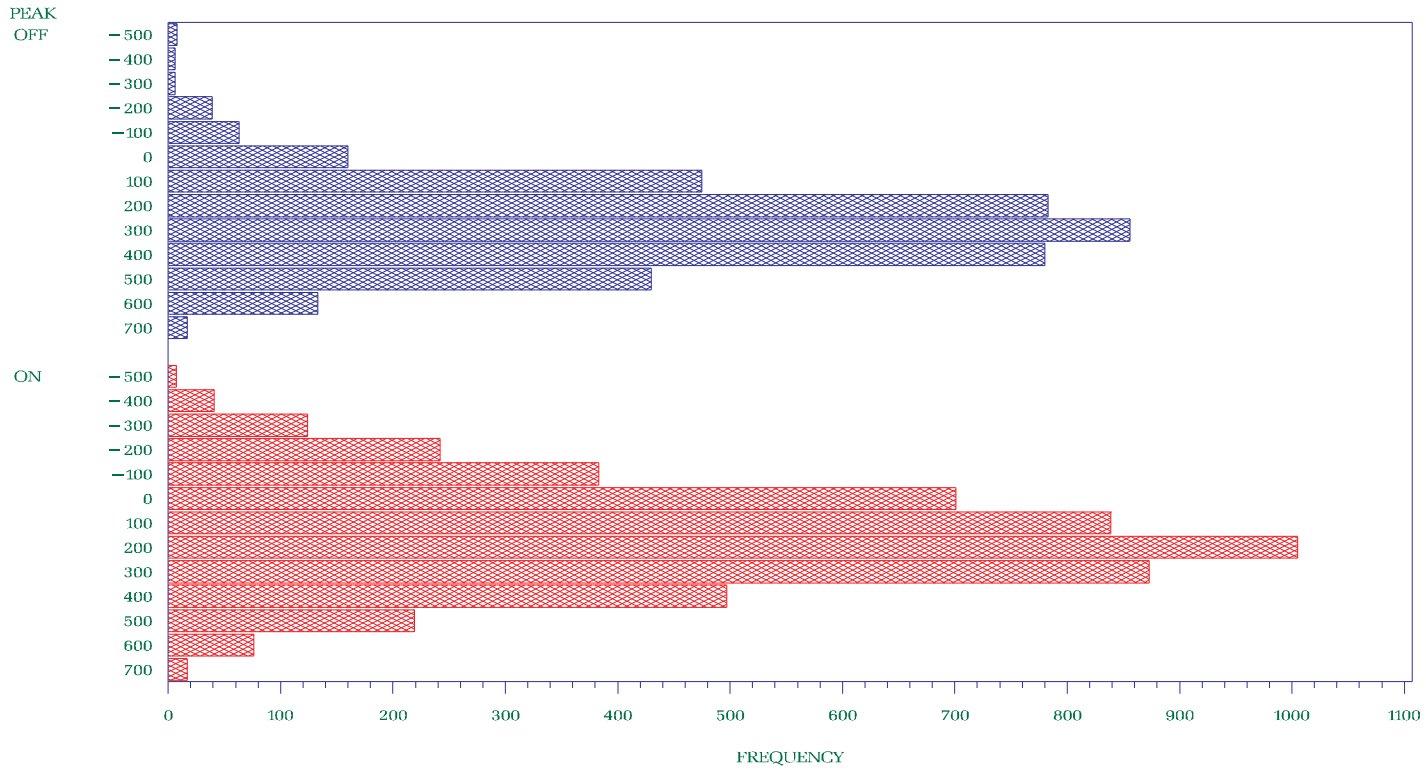
NYISO Frequency Interface Flow For January – December 2004

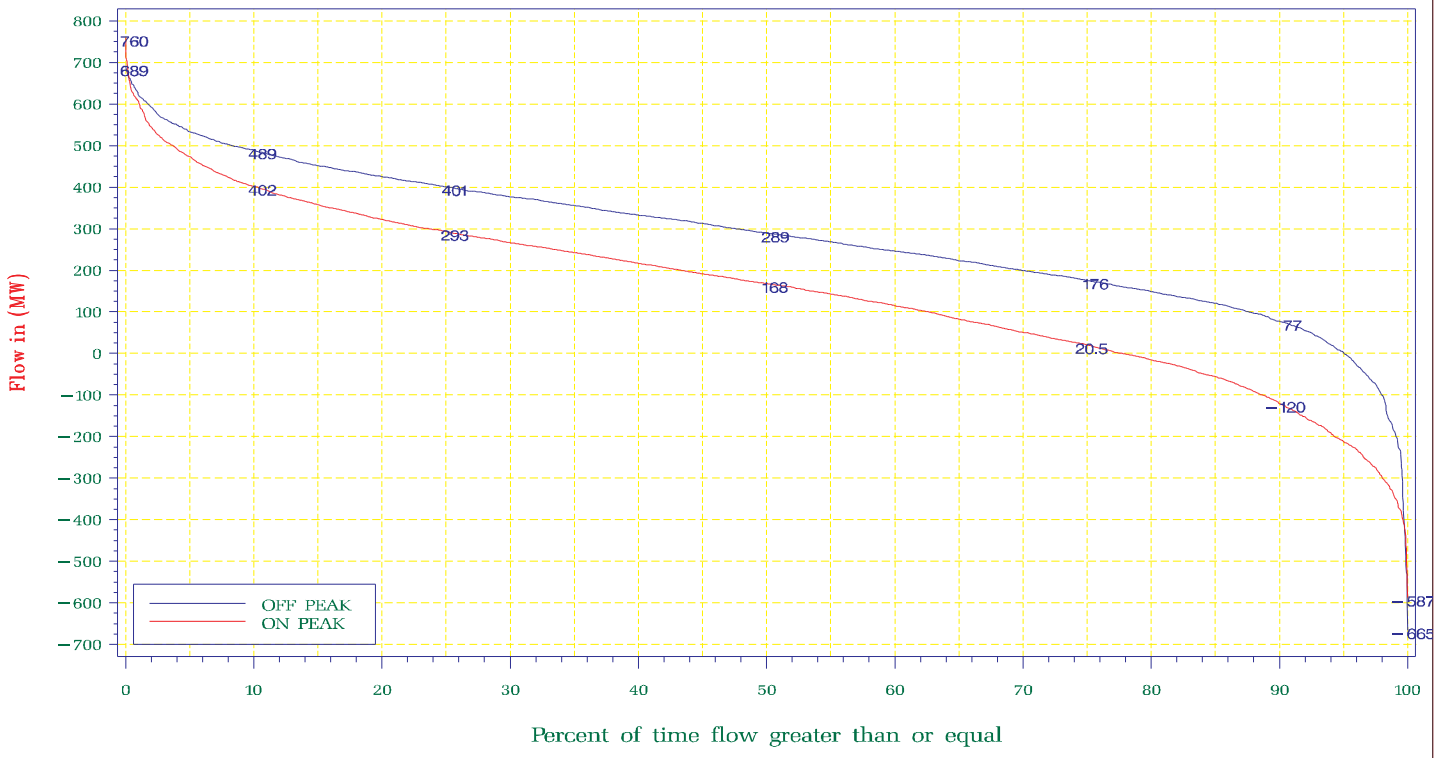
PJM West – Frontier



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2003

PJM West – Frontier



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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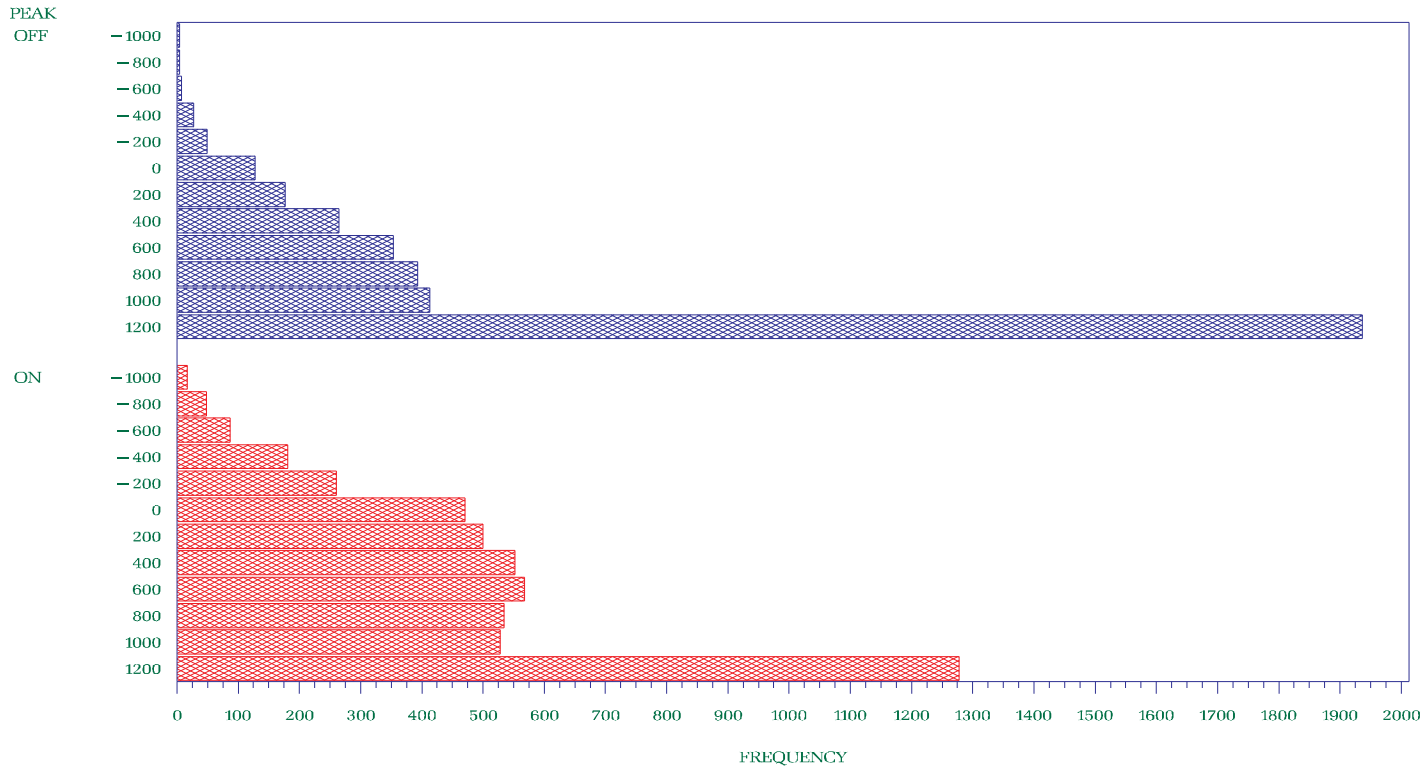
NYISO Frequency Interface Flow For January – December 2004

ONTARIO – NY SCHEDULE



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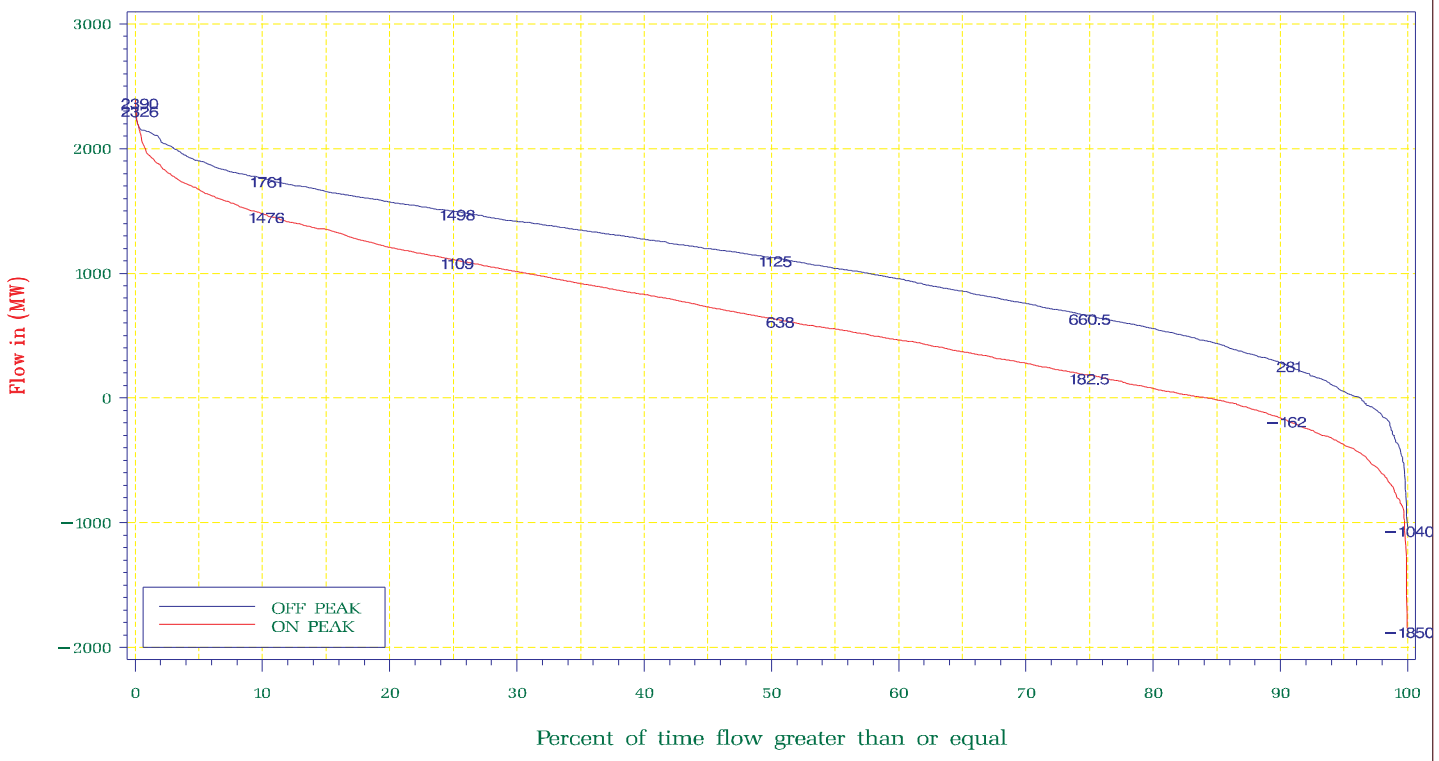
NYISO Percent of time Interface Flow For January – December 2003

ONTARIO – NY SCHEDULE



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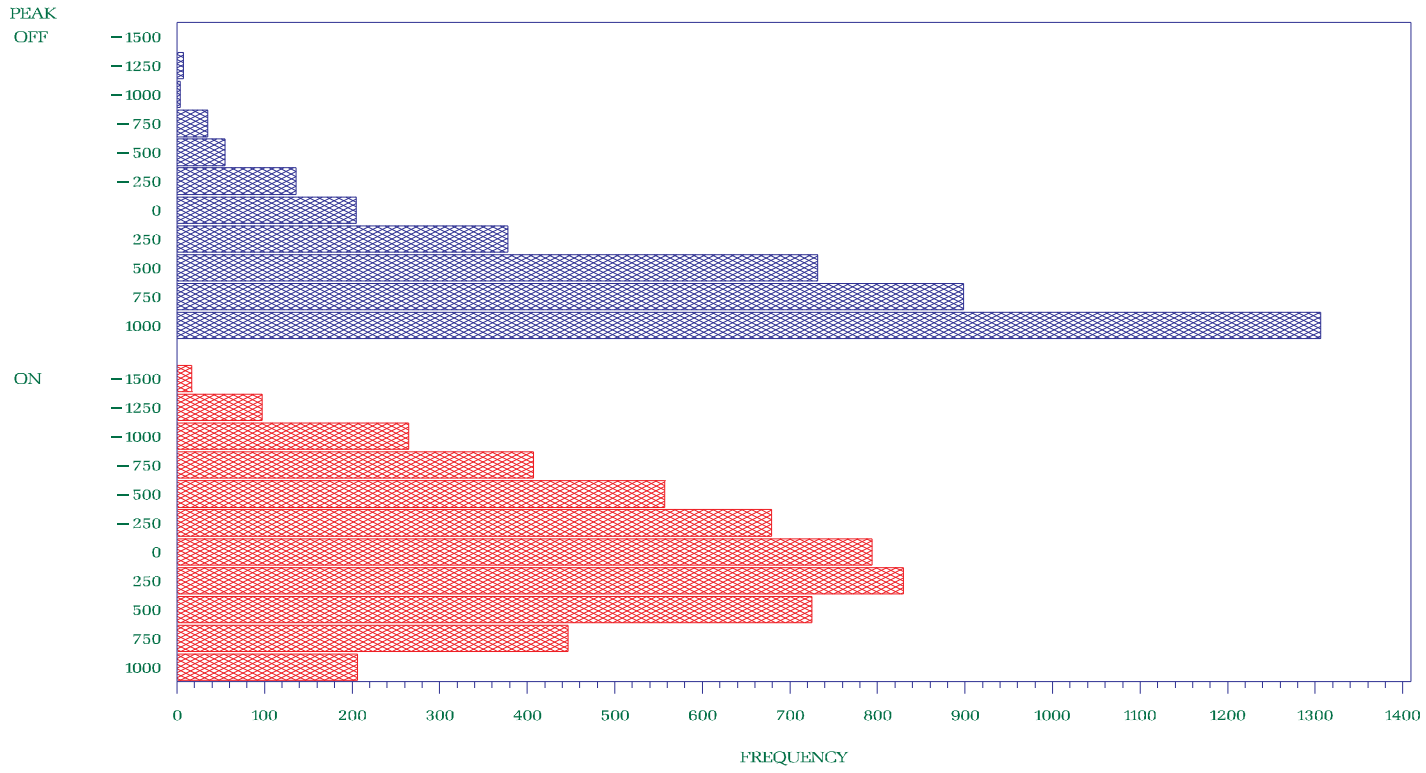
NYISO Frequency Interface Flow For January – December 2004

ONTARIO – NY



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NYISO Percent of time Interface Flow For January – December 2003

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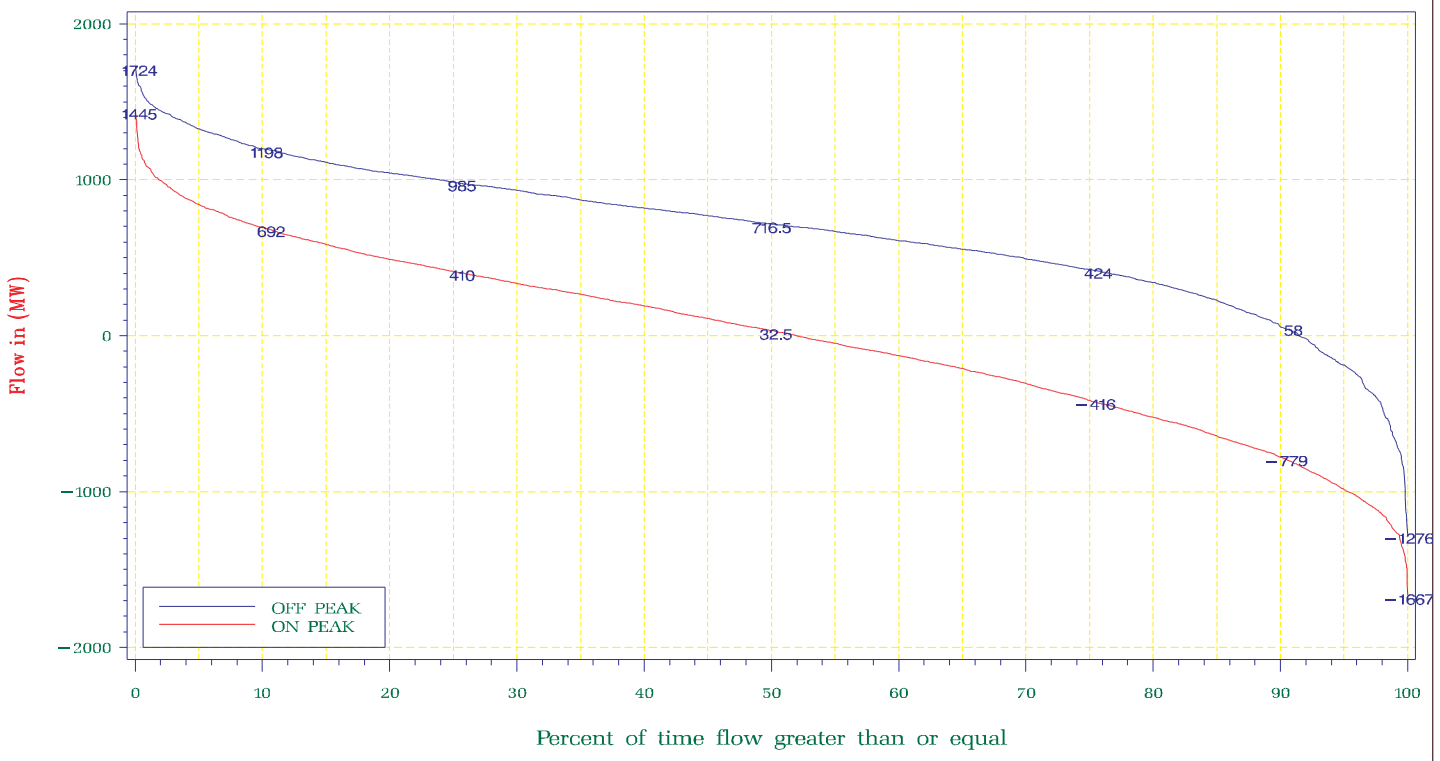

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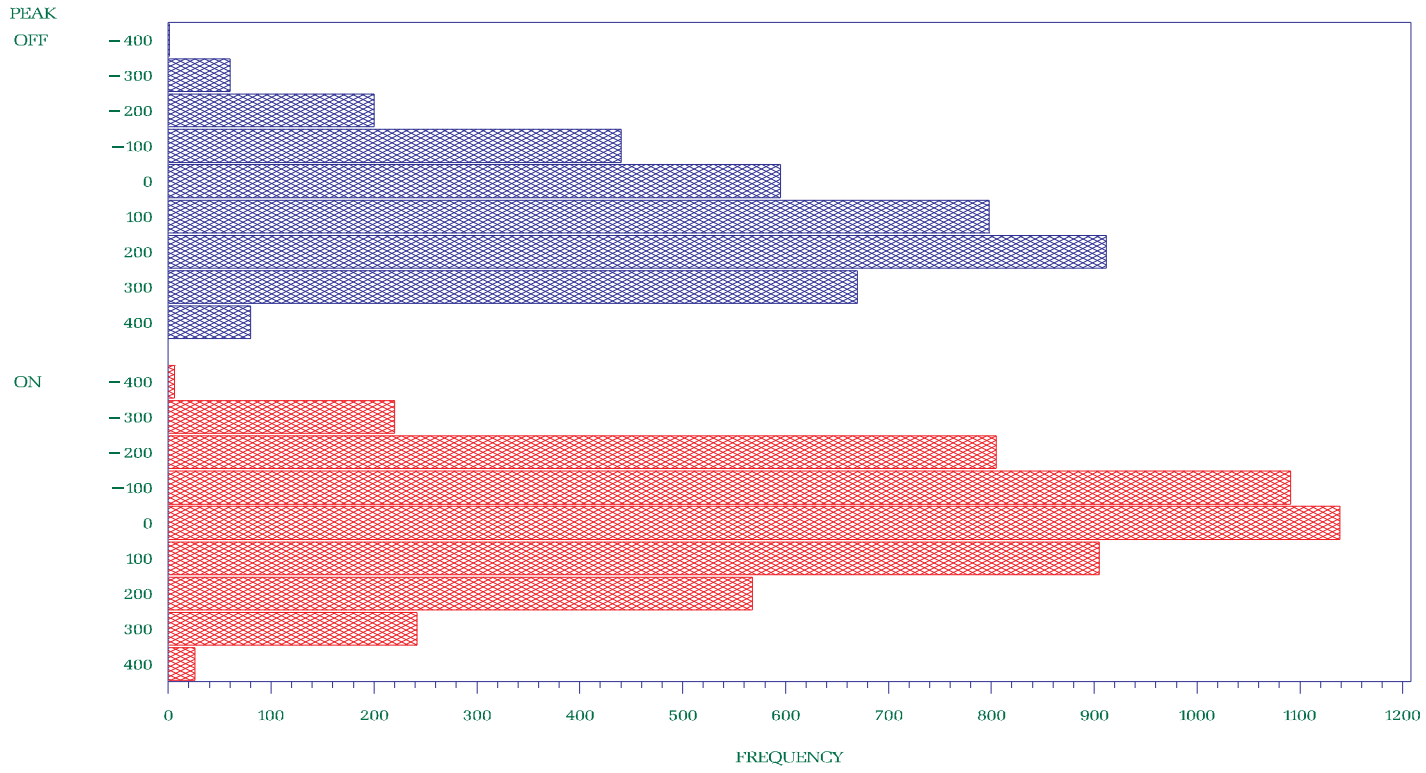
NYISO Frequency Interface Flow For January – December 2004

Ontario East – Adirondack



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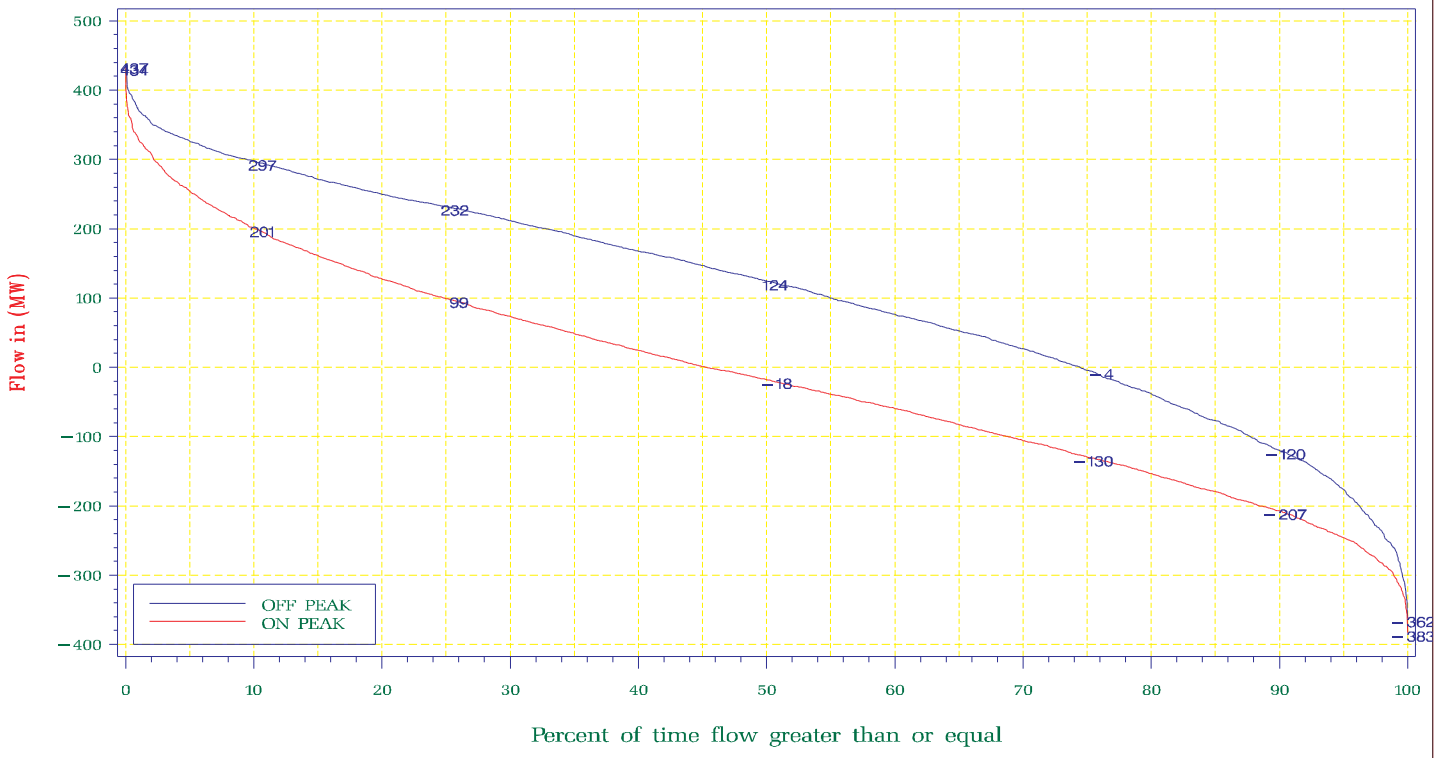
NYISO Percent of time Interface Flow For January – December 2003

Ontario East – Adirondack



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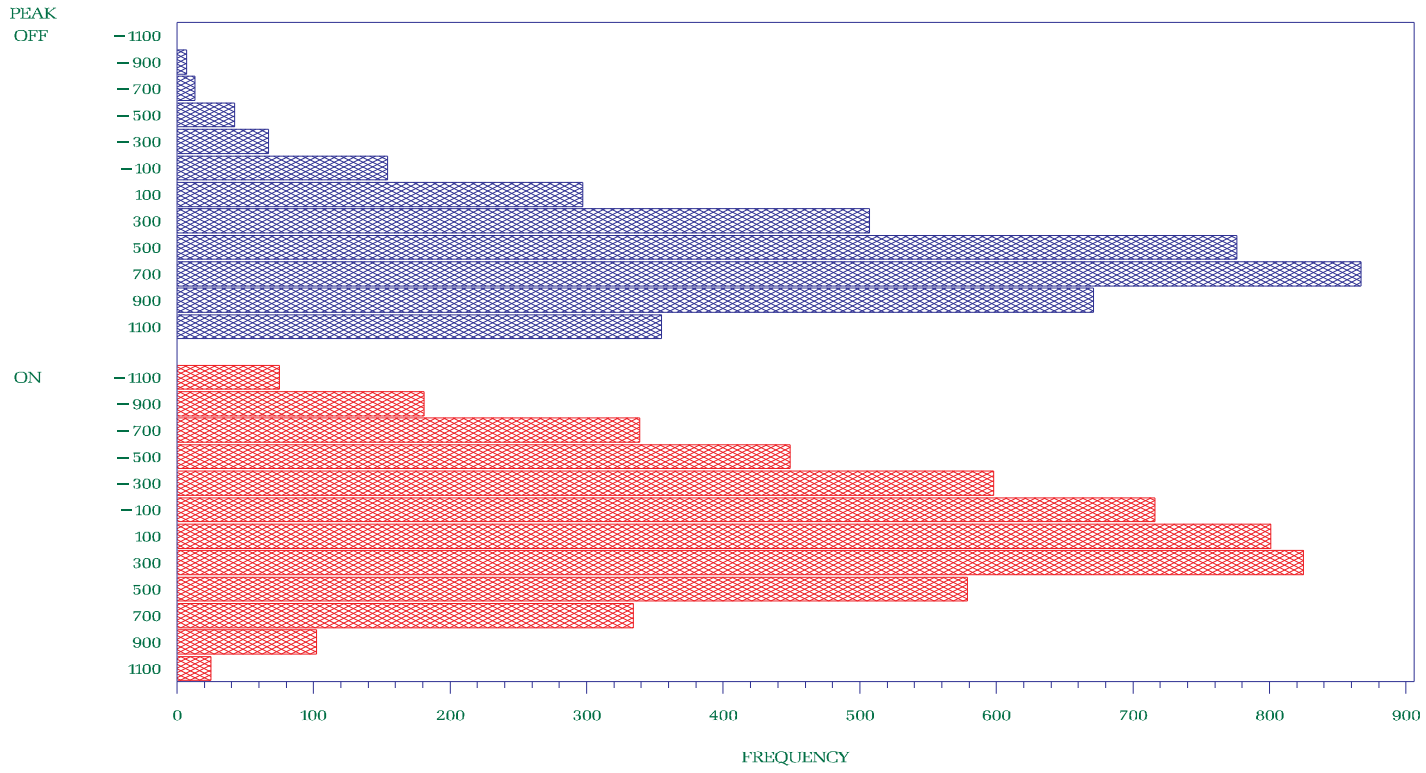
NYISO Frequency Interface Flow For January – December 2004

Ontario South – Frontier



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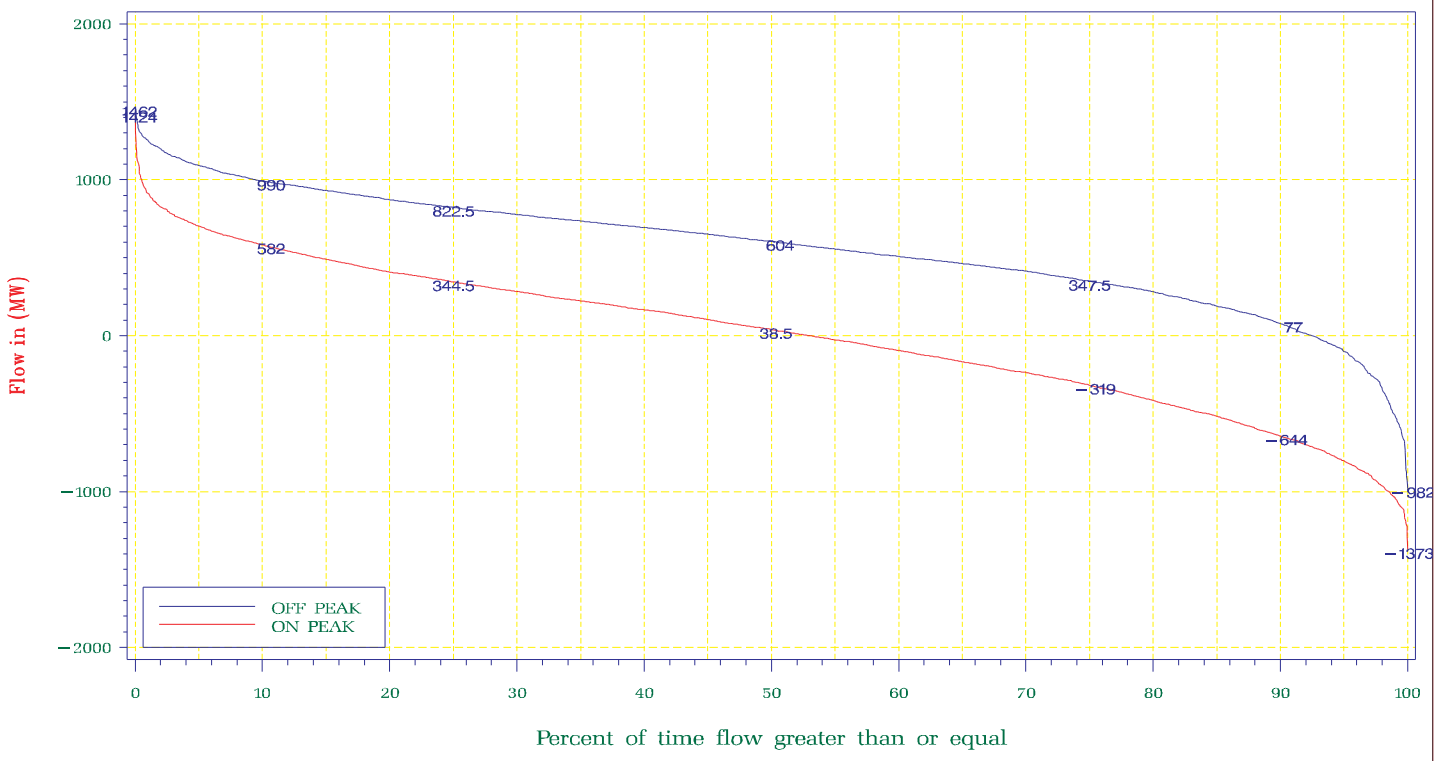
NYISO Percent of time Interface Flow For January – December 2003

Ontario South – Frontier



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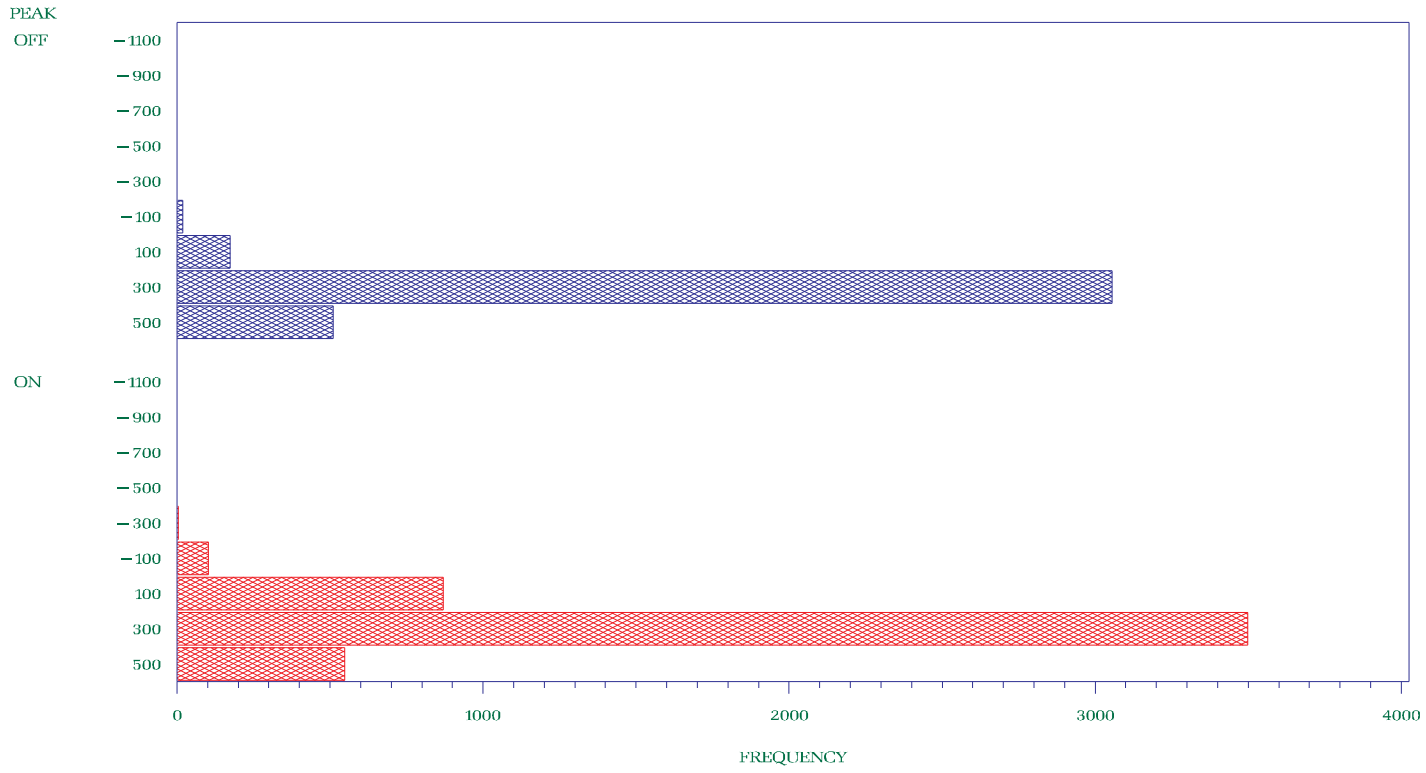
NYISO Frequency Interface Flow For January – December 2004

NY – ONTARIO COUNTER CLOCKWISE CIRCULATION



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NYISO Percent of time Interface Flow For January – December 2003

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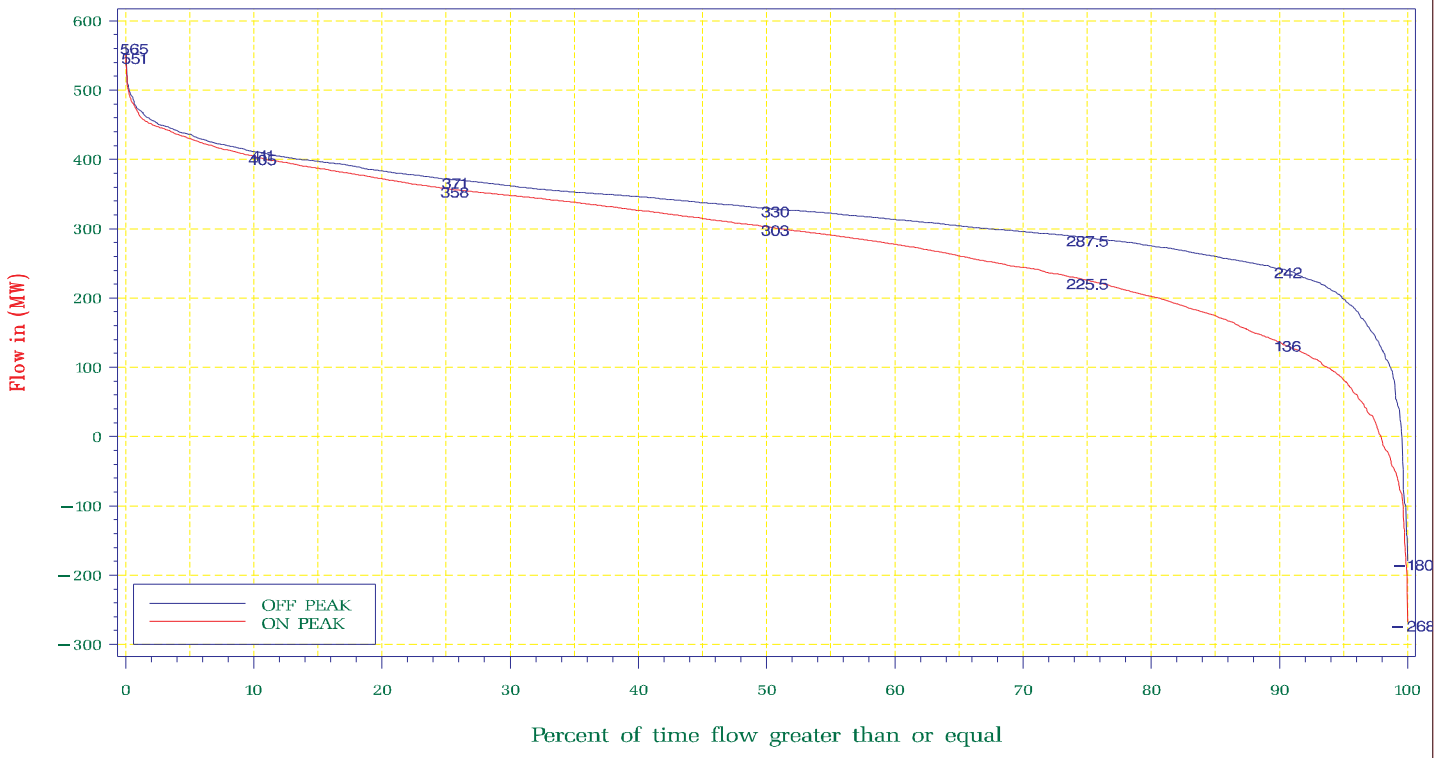

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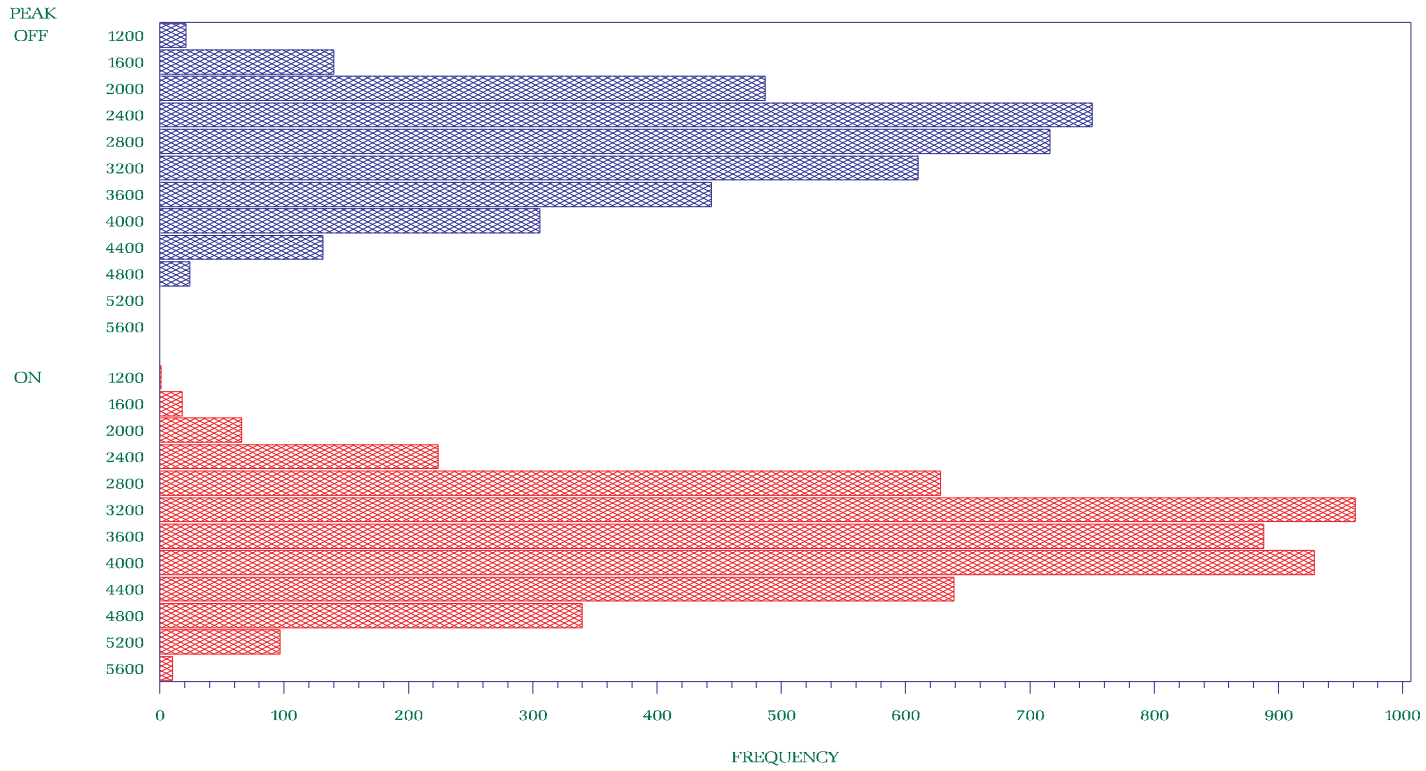
NYISO Frequency Interface Flow For January – December 2004

UPNY – SENY (OPEN)



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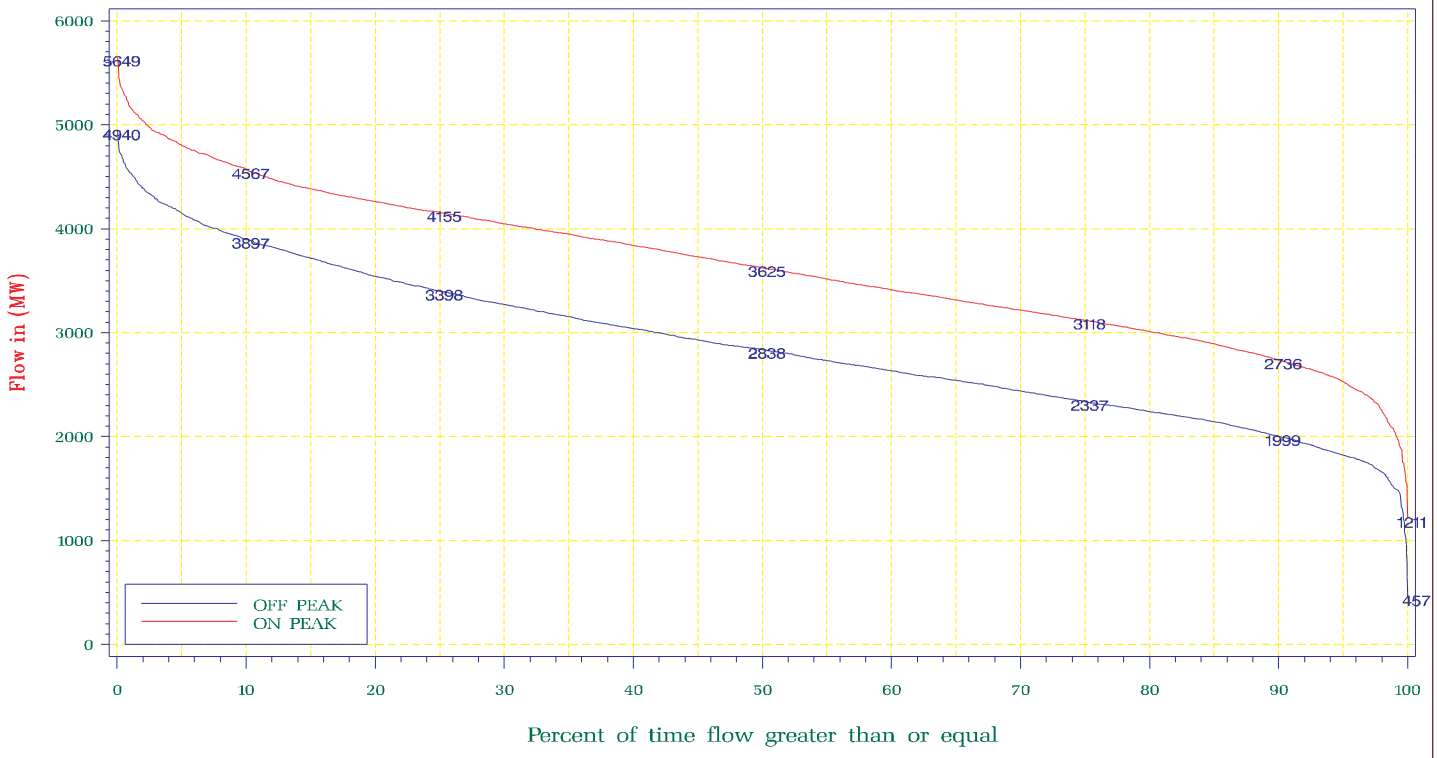
NYISO Percent of time Interface Flow For January – December 2003

UPNY – SENY (OPEN)



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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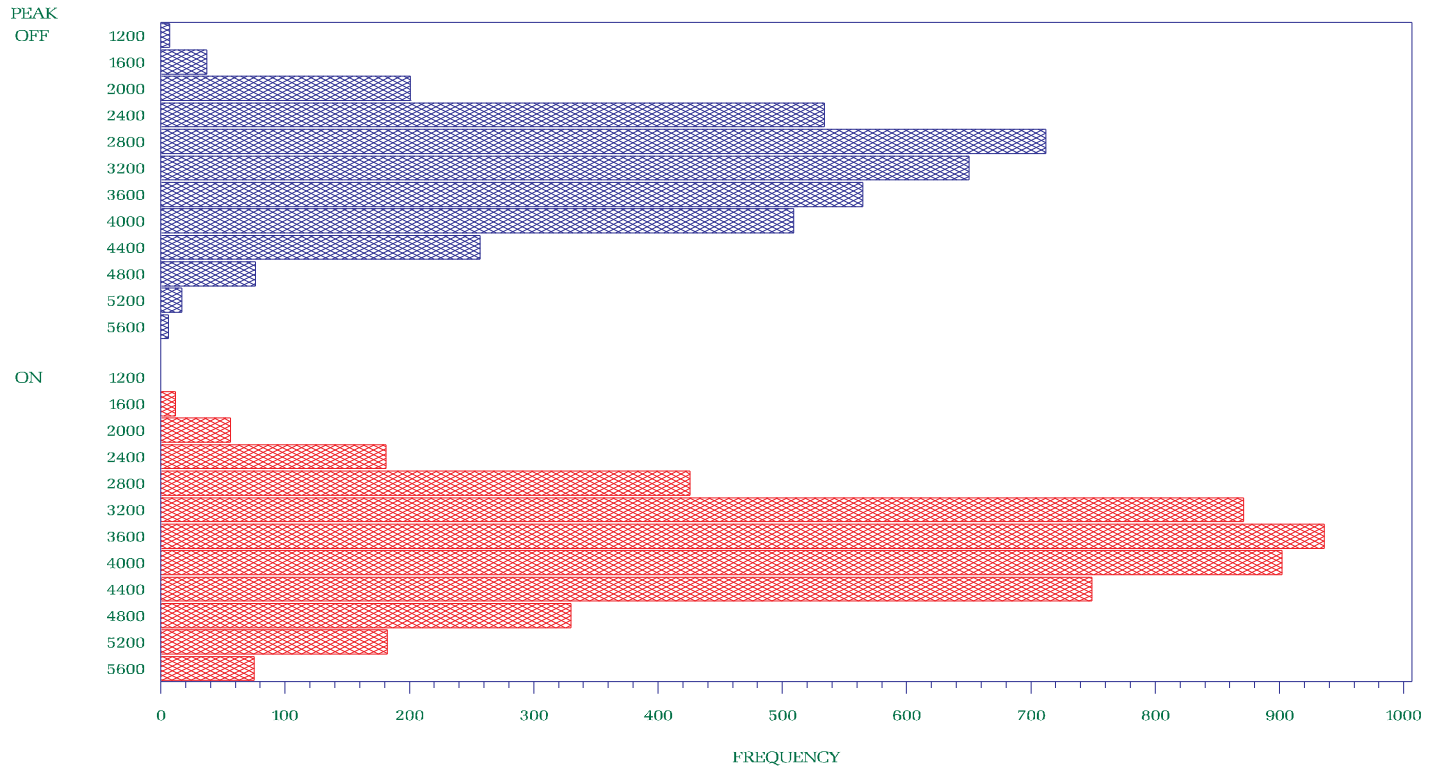
NYISO Frequency Interface Flow For January – December 2004

UPNY – SENY (CLOSED)



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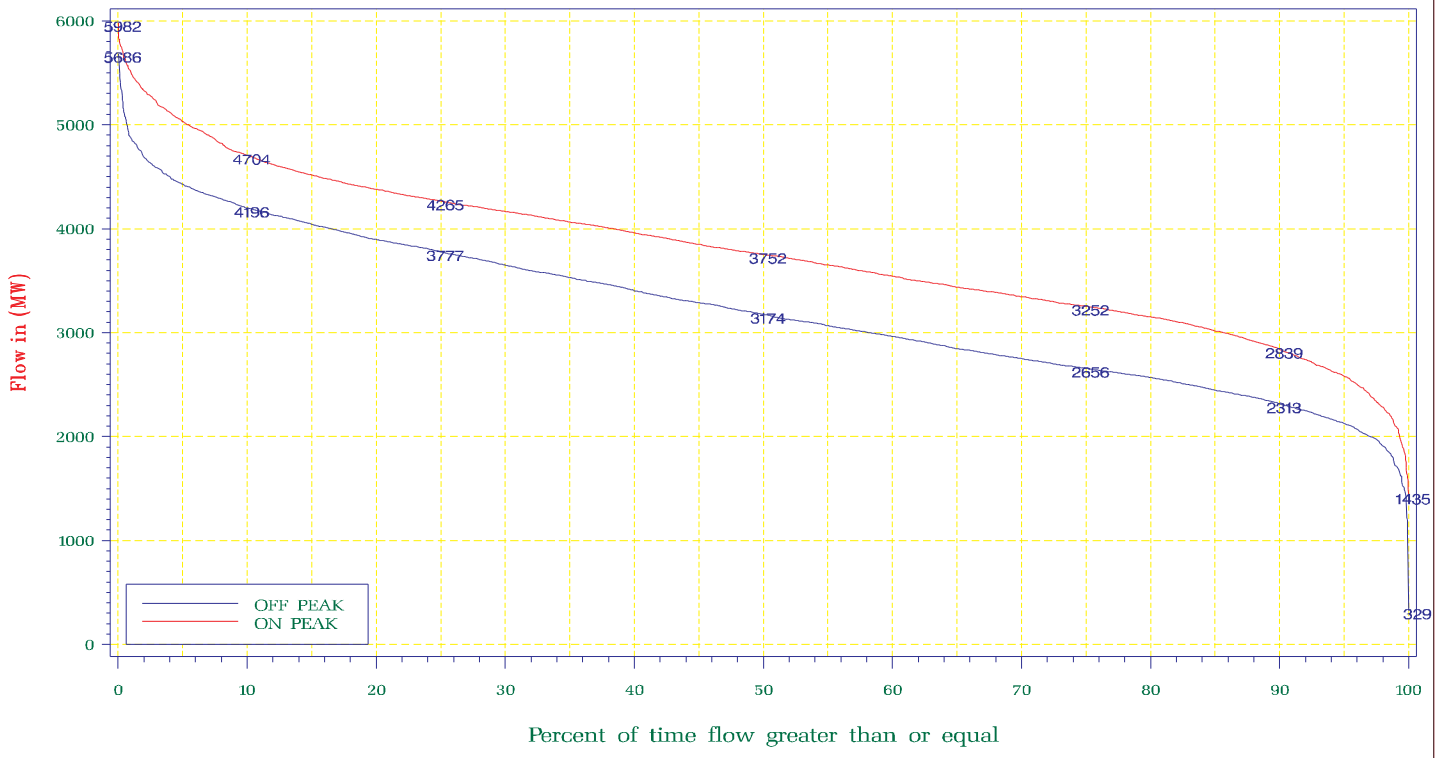
NYISO Percent of time Interface Flow For January – December 2003

UPNY – SENY (CLOSED)



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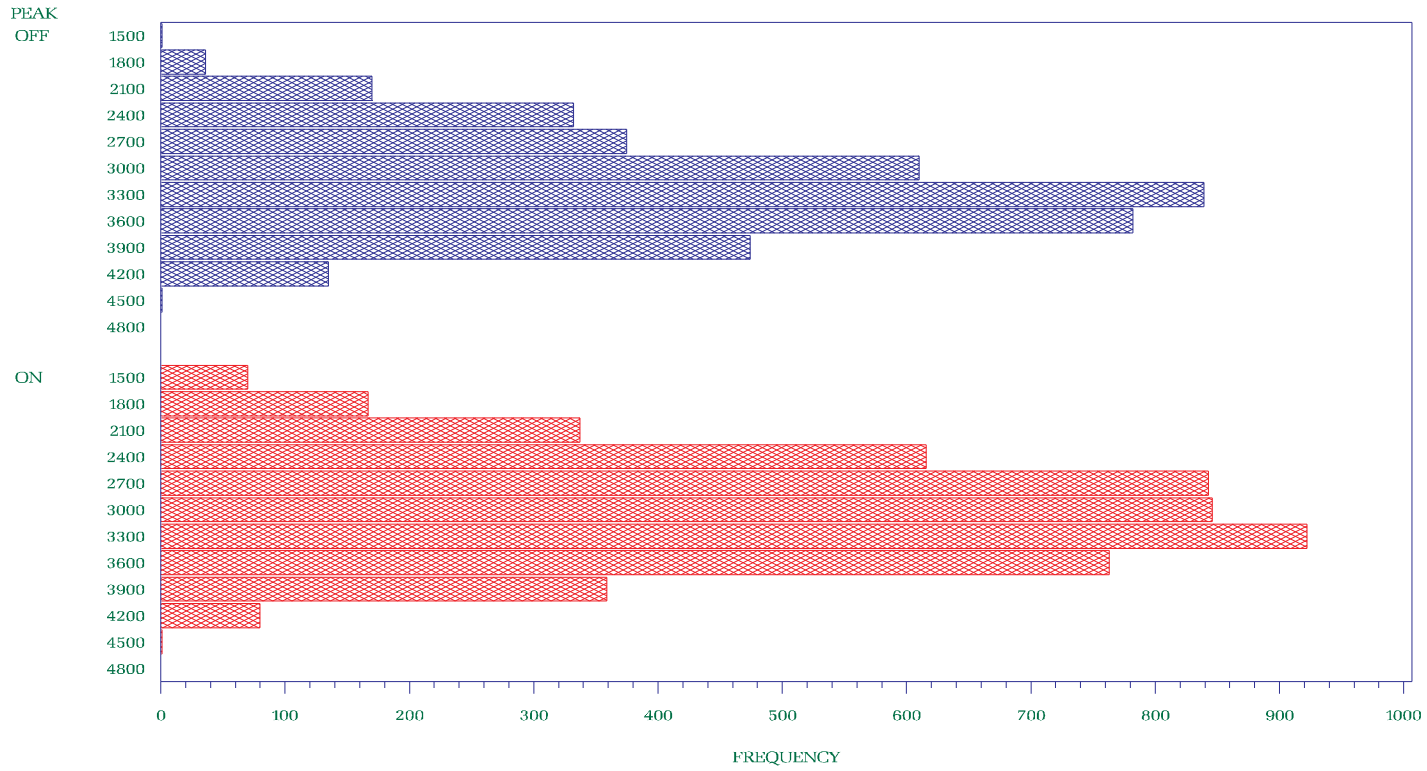
NYISO Frequency Interface Flow For January – December 2004

Volney – East (OPEN)



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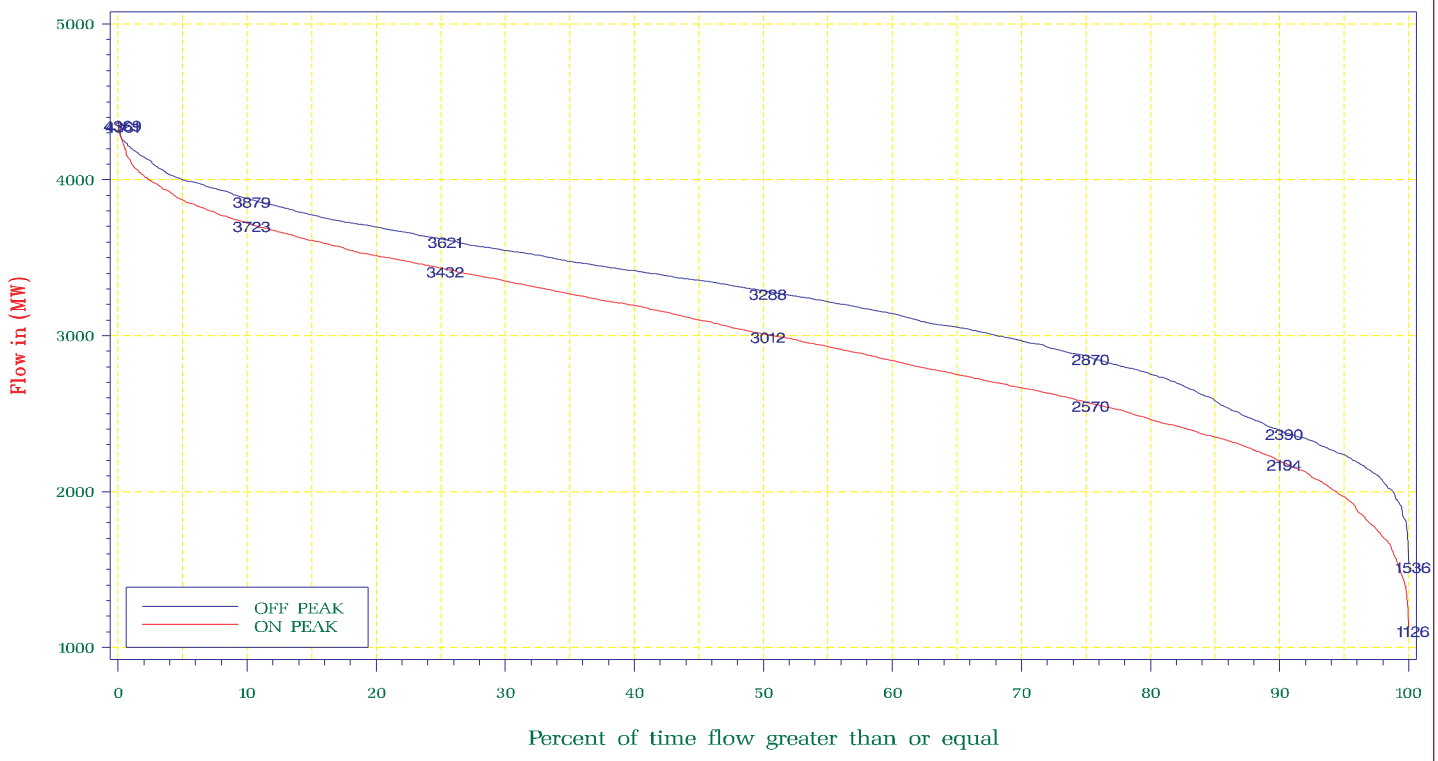
NYISO Percent of time Interface Flow For January – December 2003

Volney – East (OPEN)



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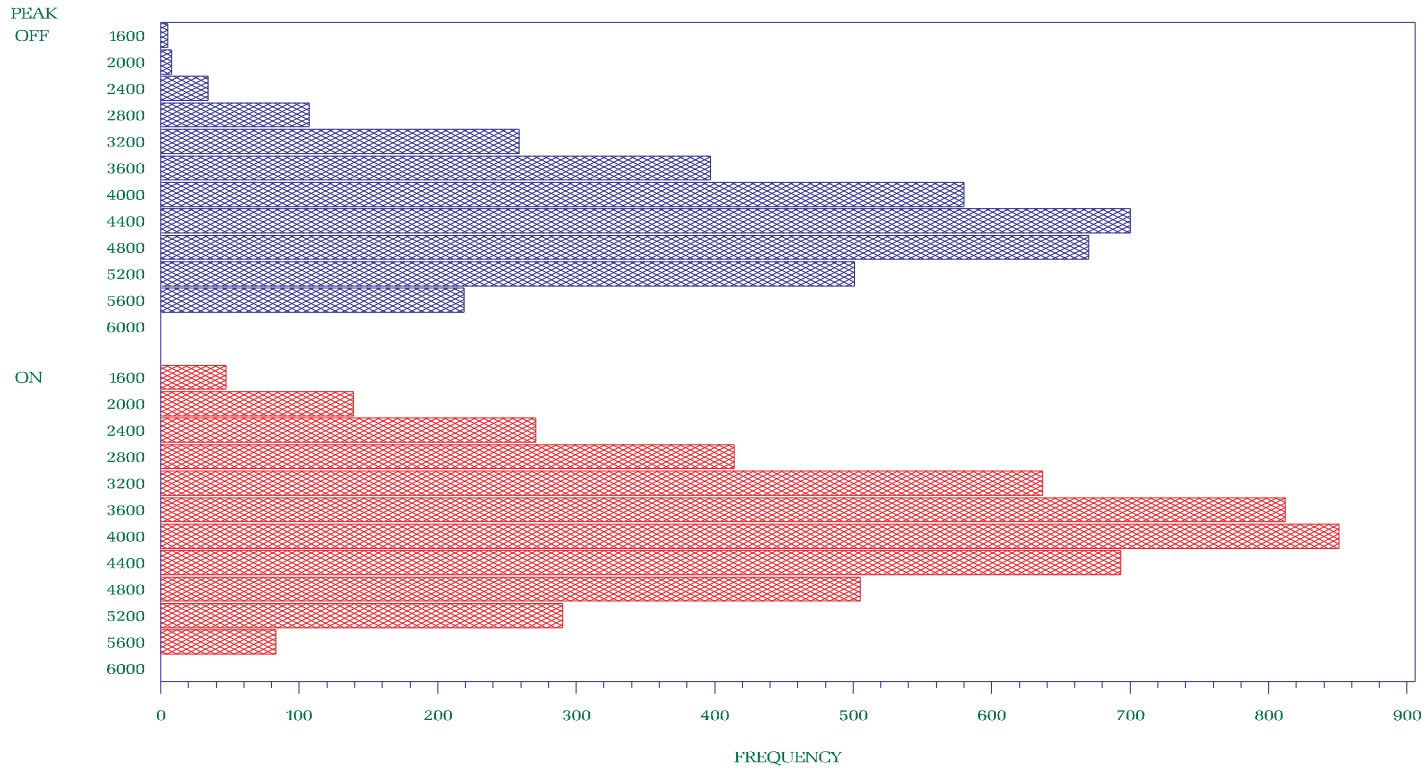
NYISO Frequency Interface Flow For January – December 2004

Volney – East (CLOSED)



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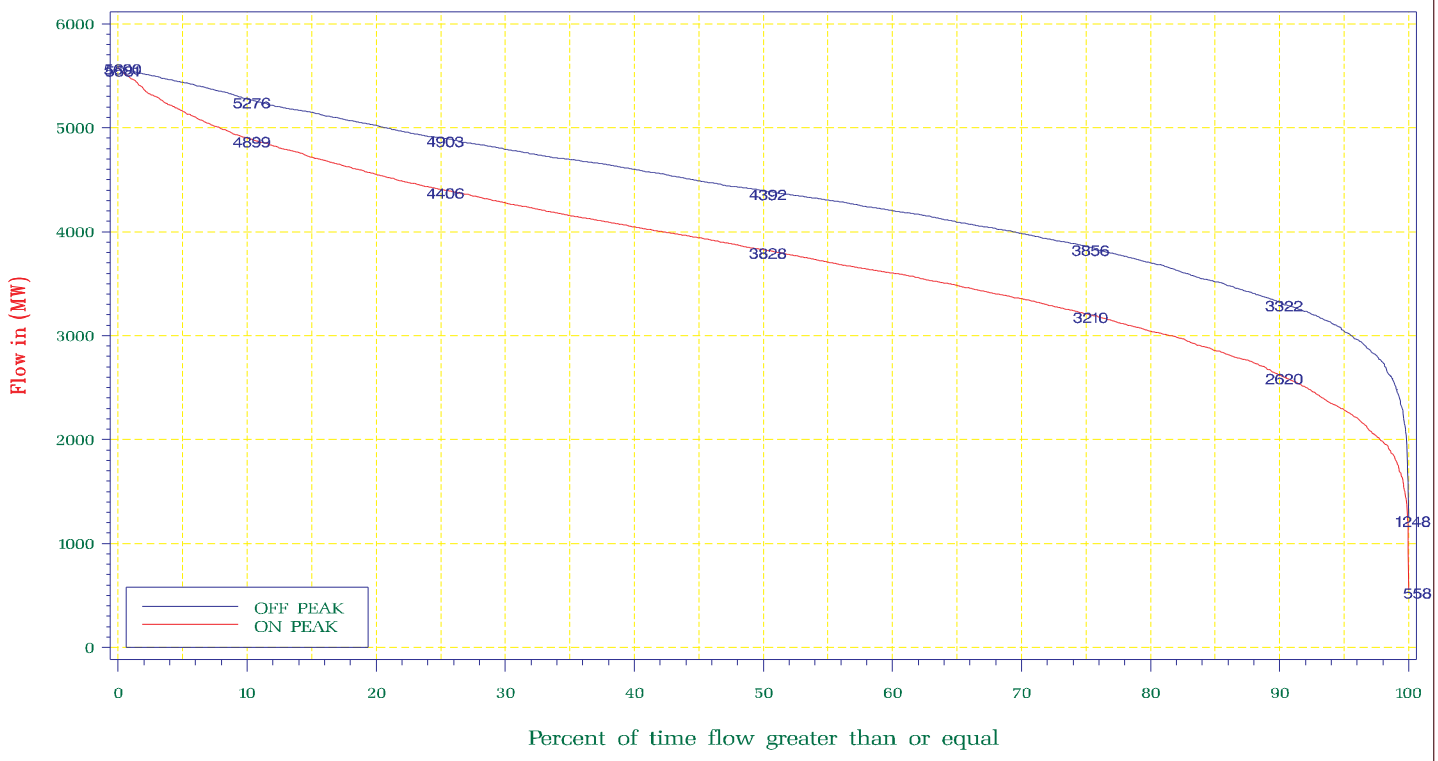
NYISO Percent of time Interface Flow For January – December 2003

Volney – East (CLOSED)



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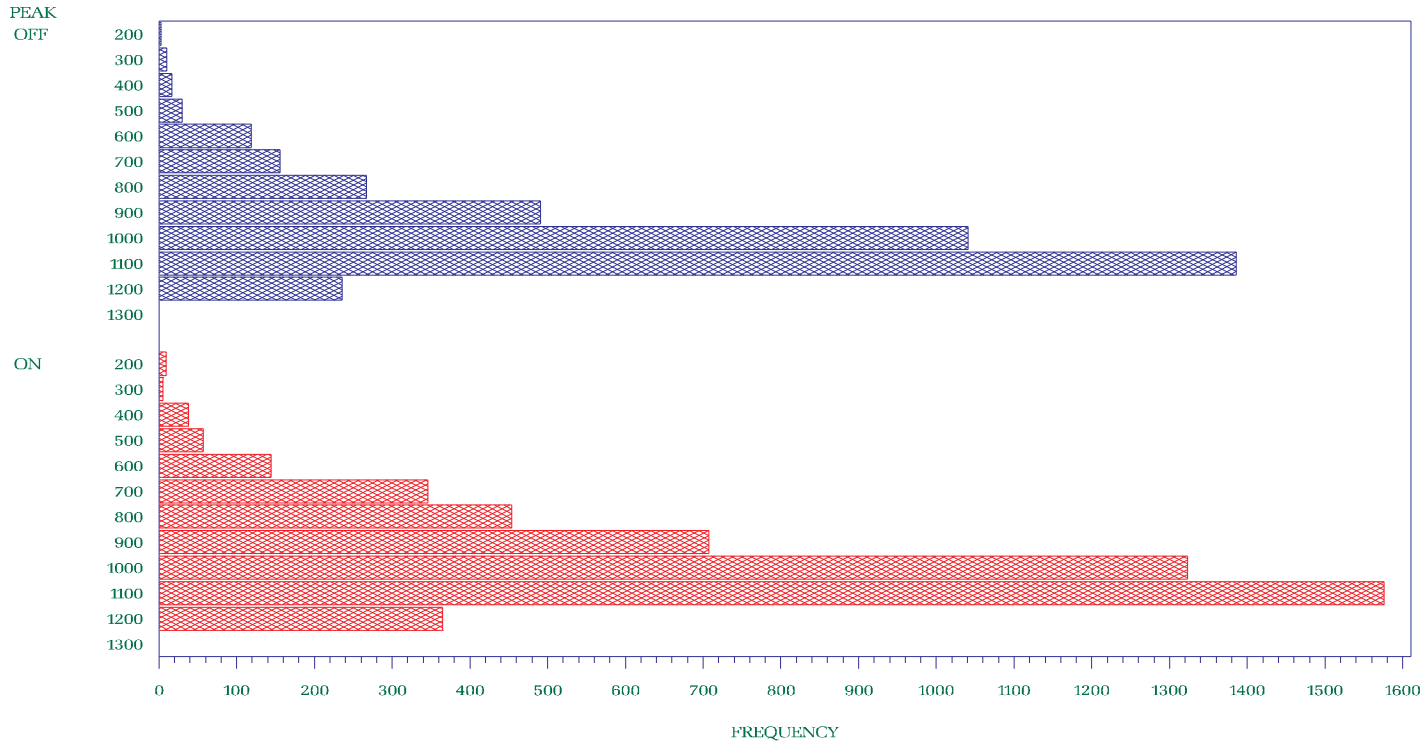
NYISO Frequency Interface Flow For January – December 2004

Westchester – Long Island

Y49 + Y50



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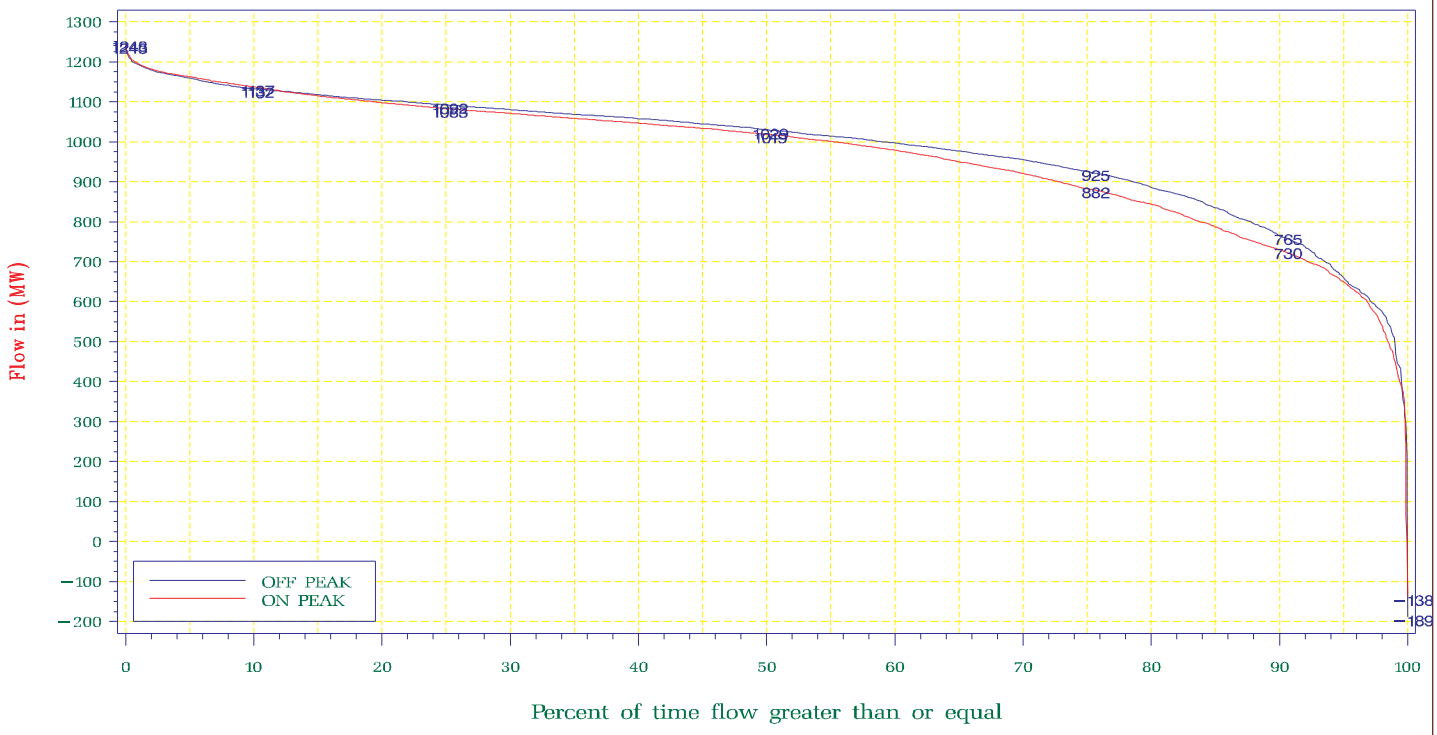
NYISO Percent of time Interface Flow For January – December 2003

Westchester – Long Island

Y49 + Y50



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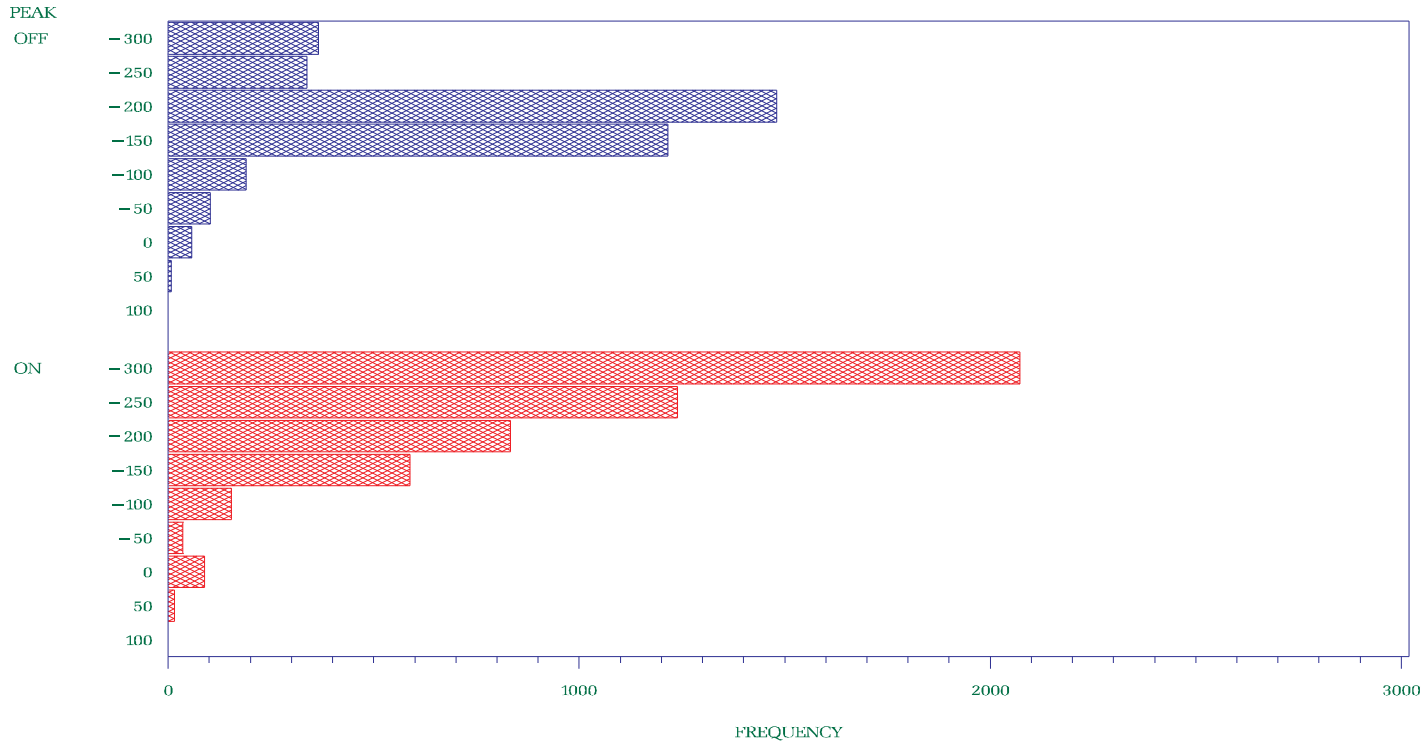
NYISO Frequency Interface Flow For January – December 2004

New York City – Long Island
901 + 903



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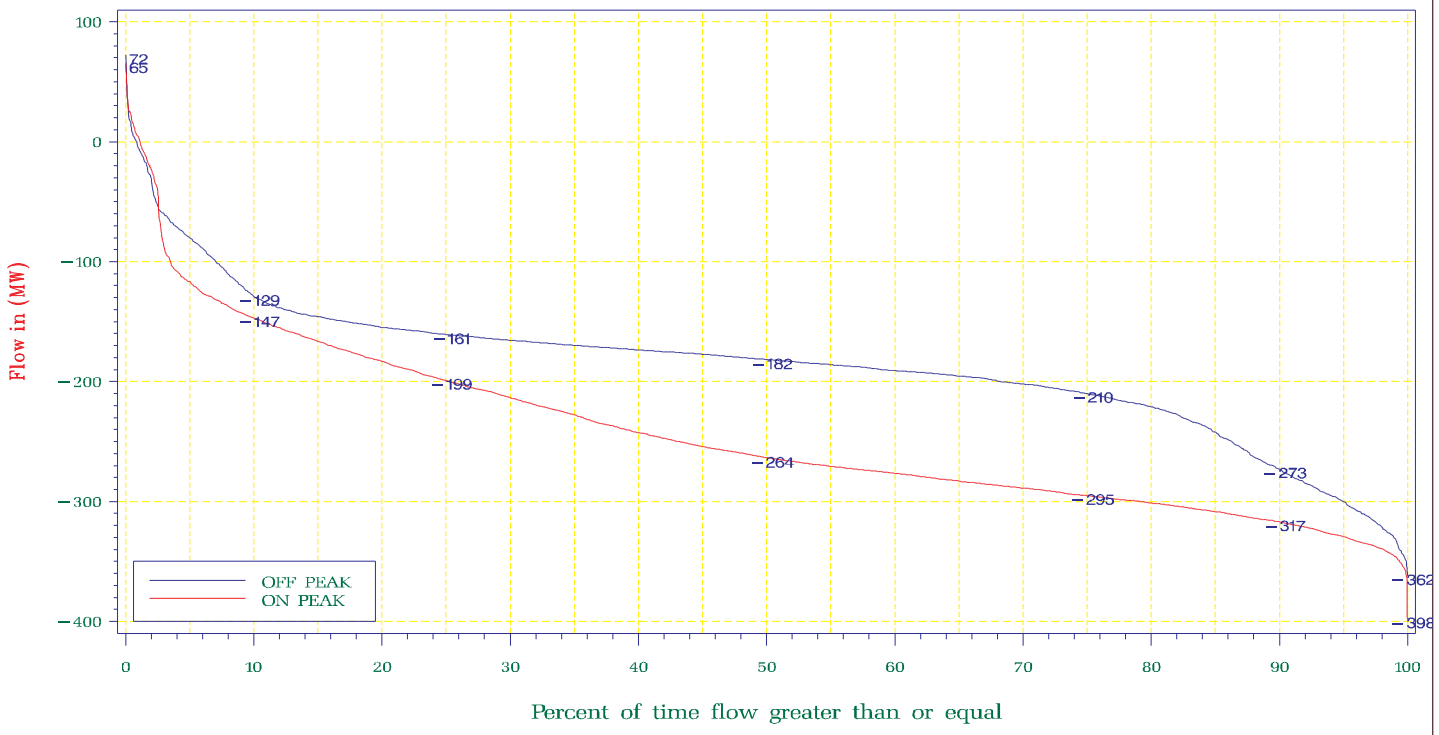
NYISO Percent of time Interface Flow For January – December 2003

New York City – Long Island
901 + 903



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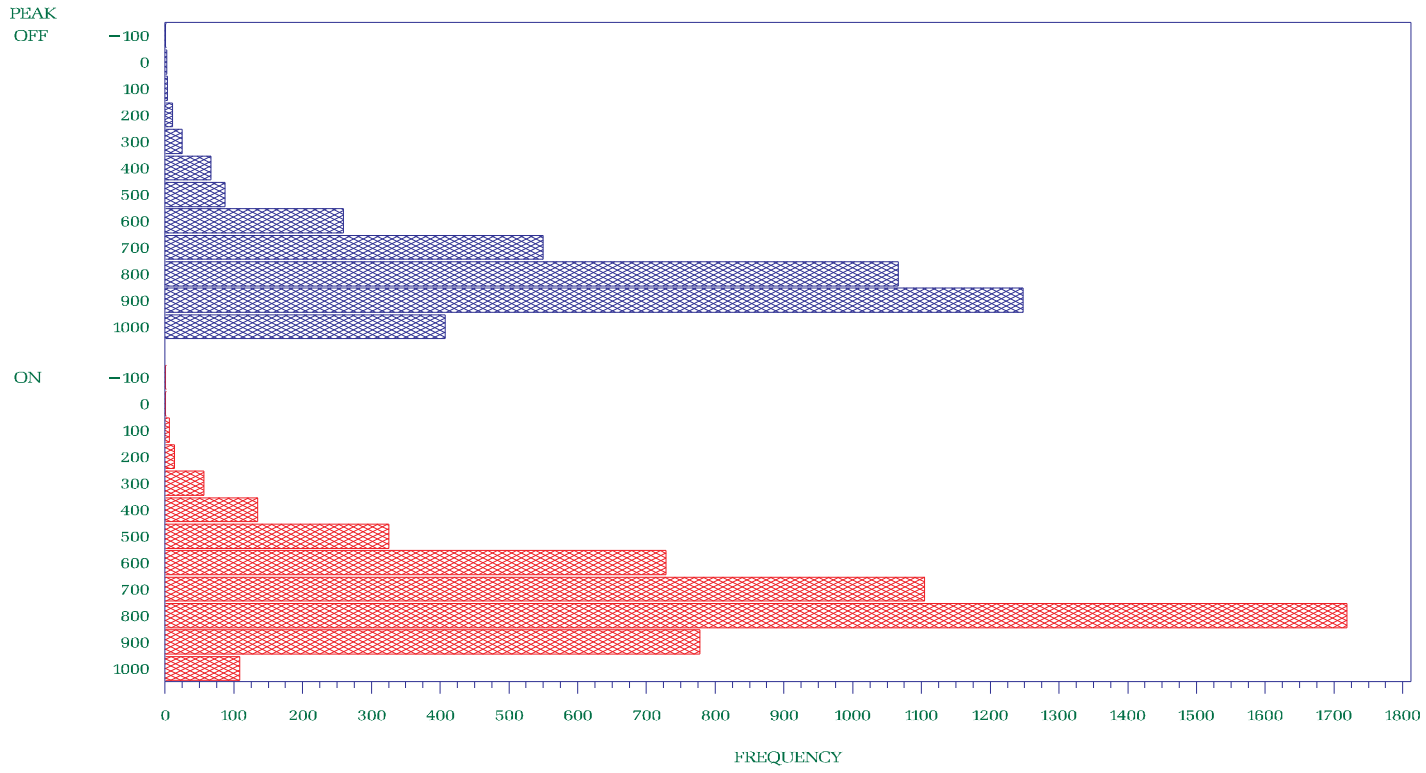
NYISO Frequency Interface Flow For January – December 2004

LIPA Import



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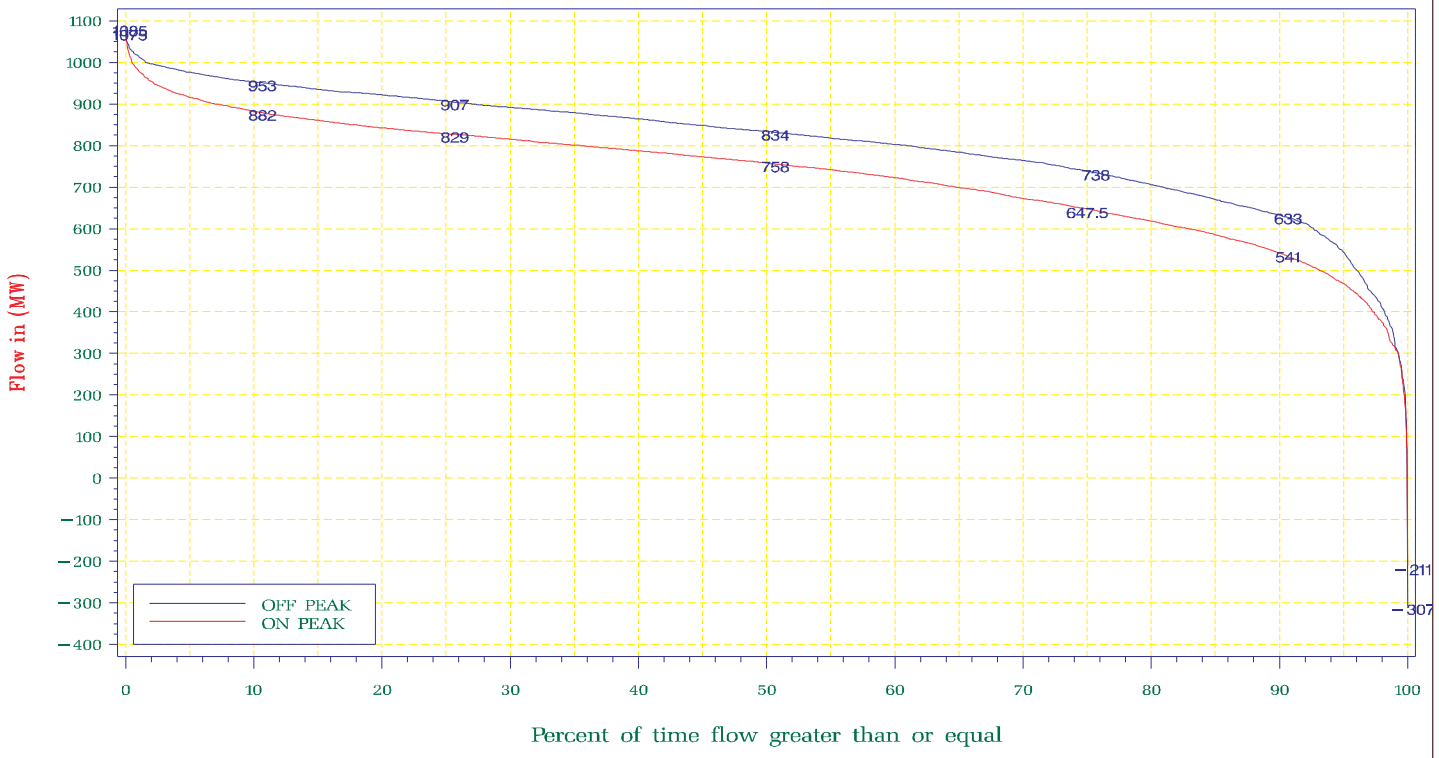
NYISO Percent of time Interface Flow For January – December 2003

LIPA Import



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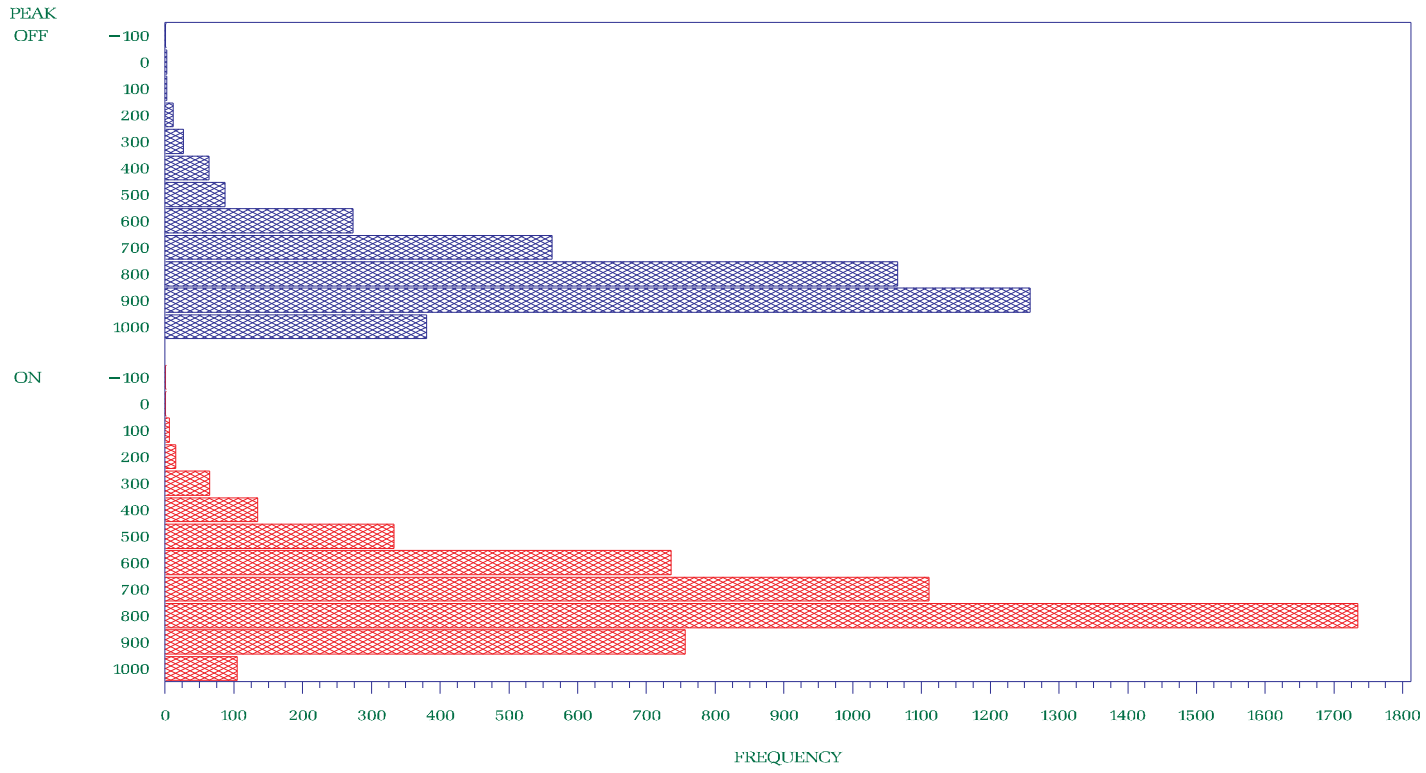
NYISO Frequency Interface Flow For January – December 2004

Con Ed – LIPA



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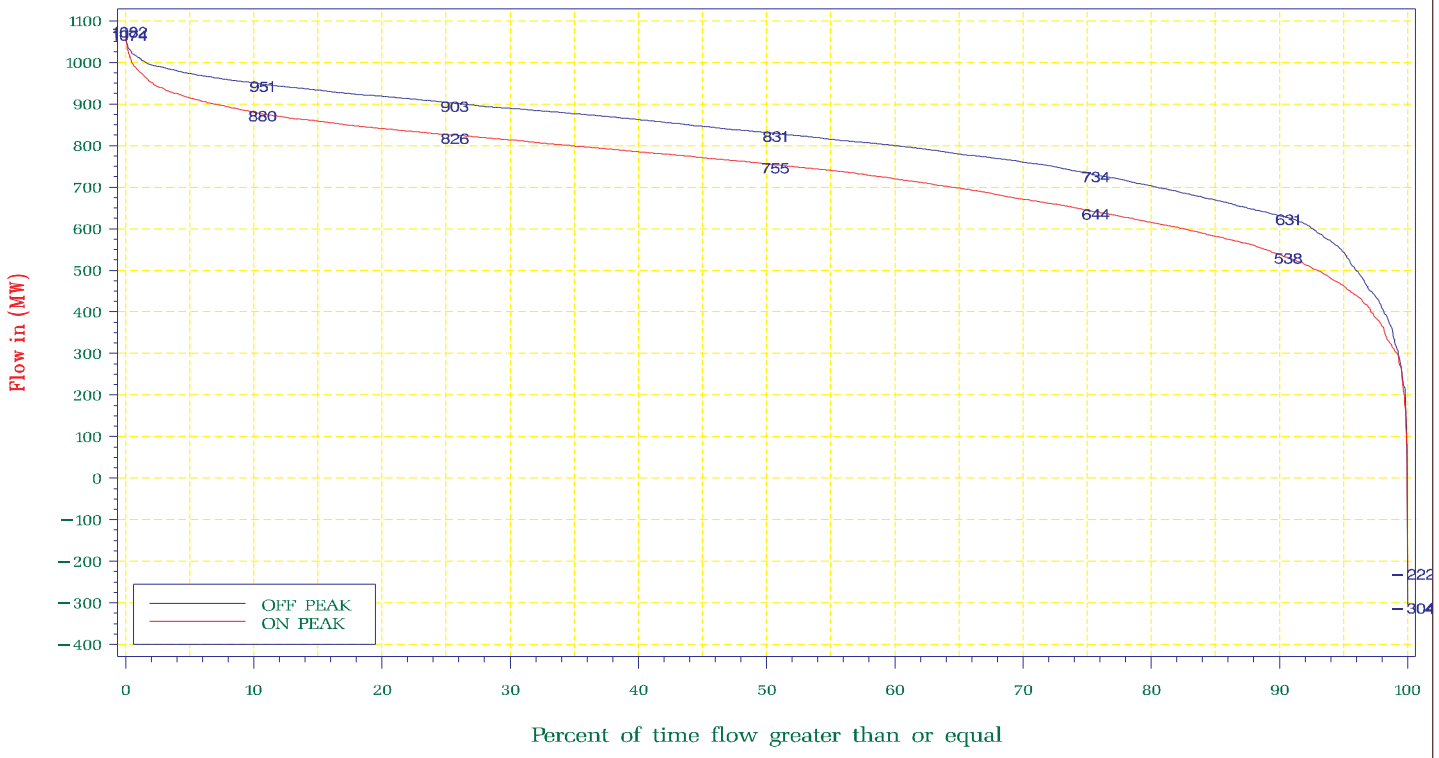
NYISO Percent of time Interface Flow For January – December 2003

Con Ed – LIPA



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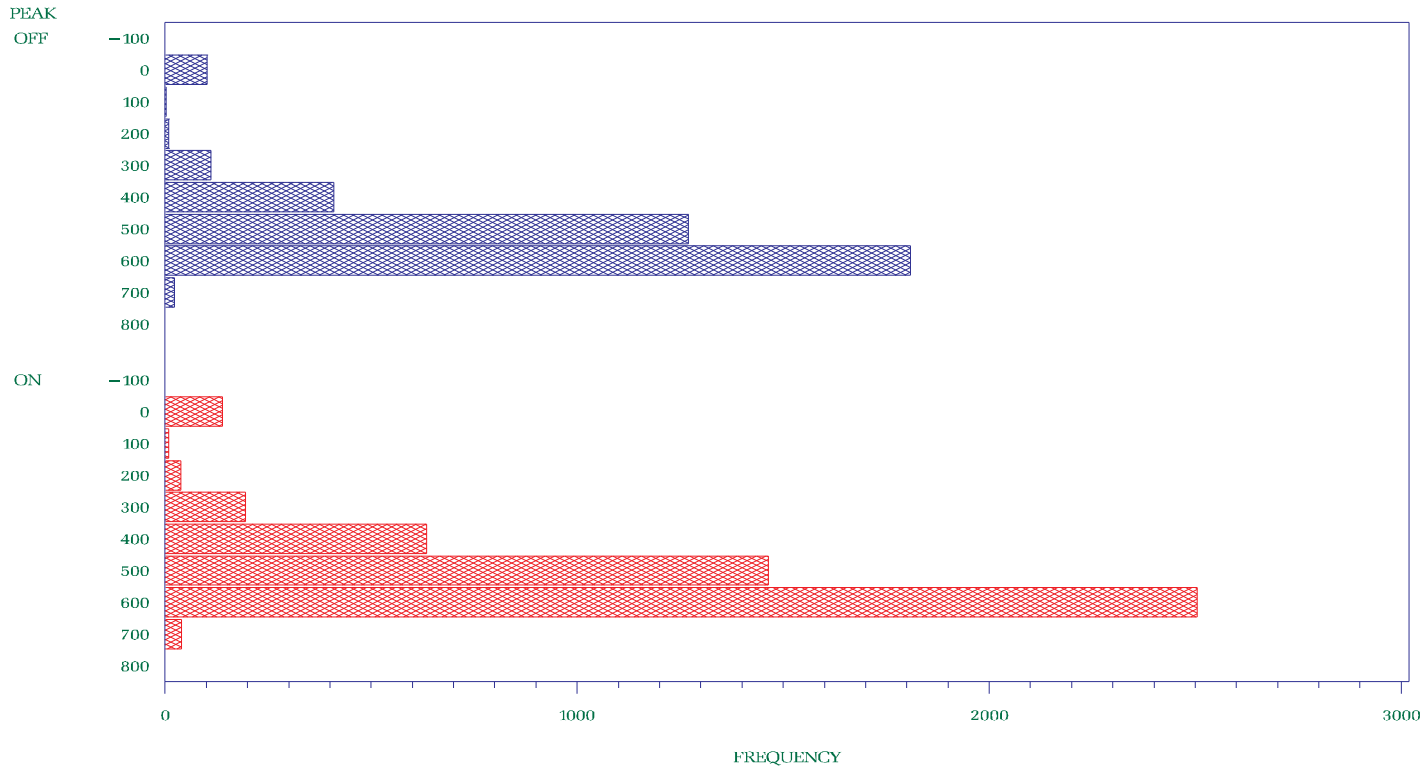
NYISO Frequency Interface Flow For January – December 2004

Y50:Dunwoodie – Shore Rd.



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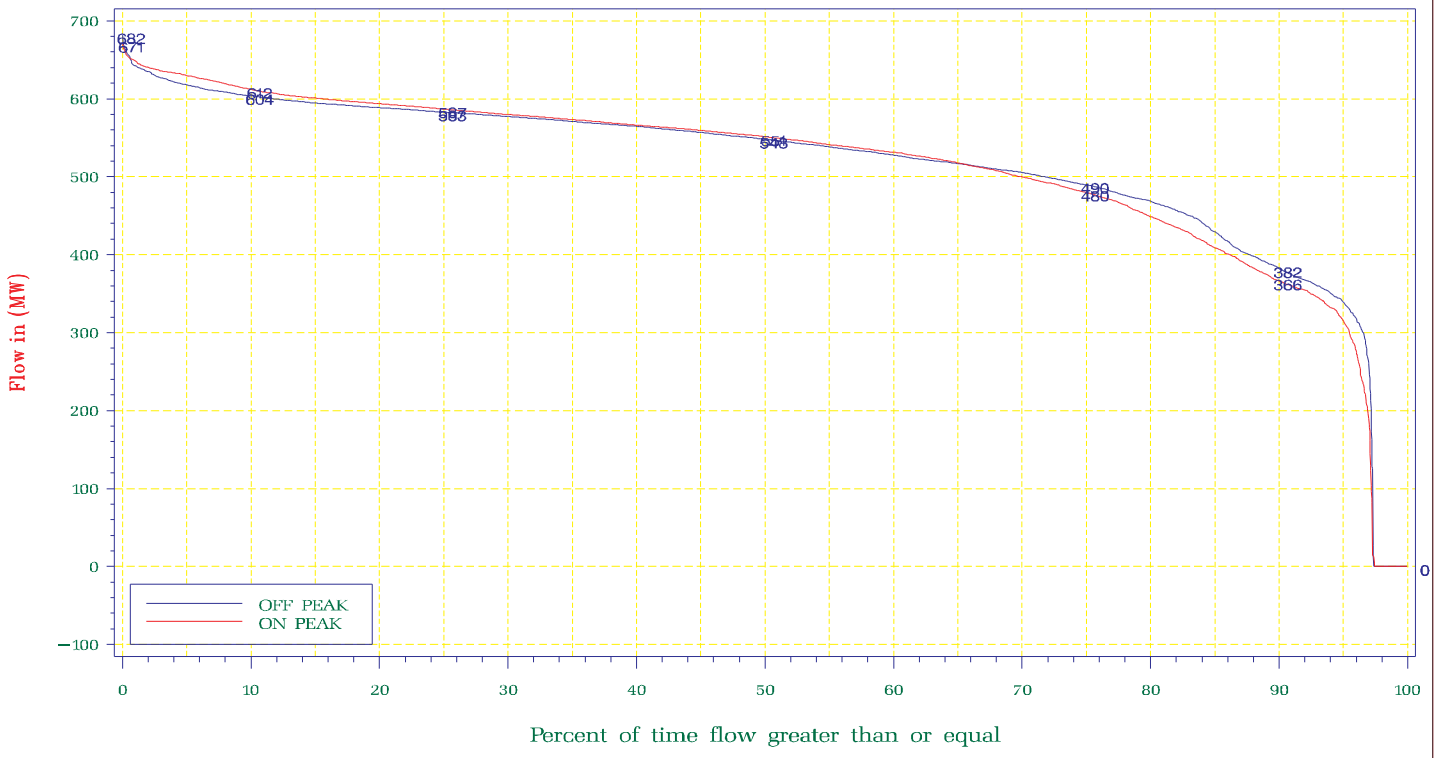
NYISO Percent of time Interface Flow For January – December 2003

Y50:Dunwoodie – Shore Rd.



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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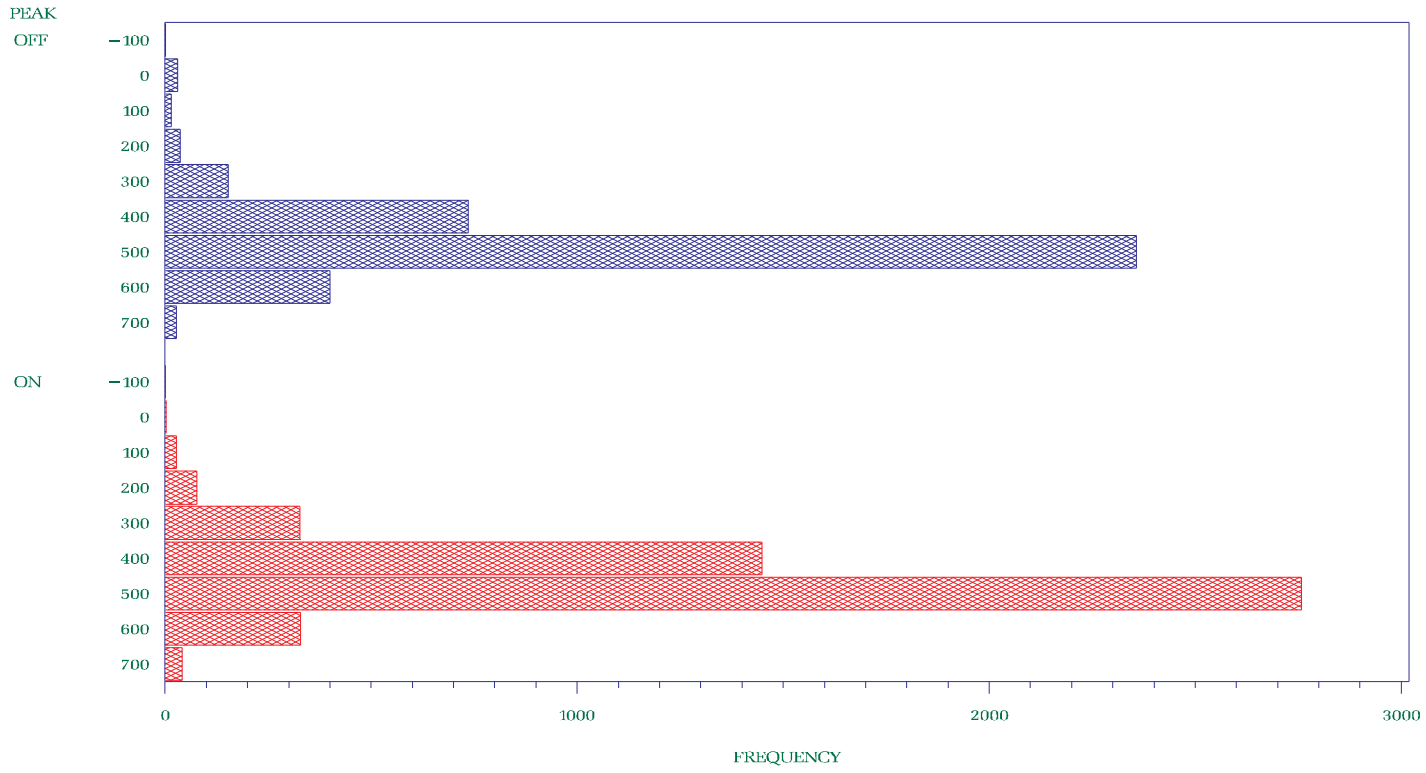
NYISO Frequency Interface Flow For January – December 2004

Y49:Sprainbrook – E.Garden City



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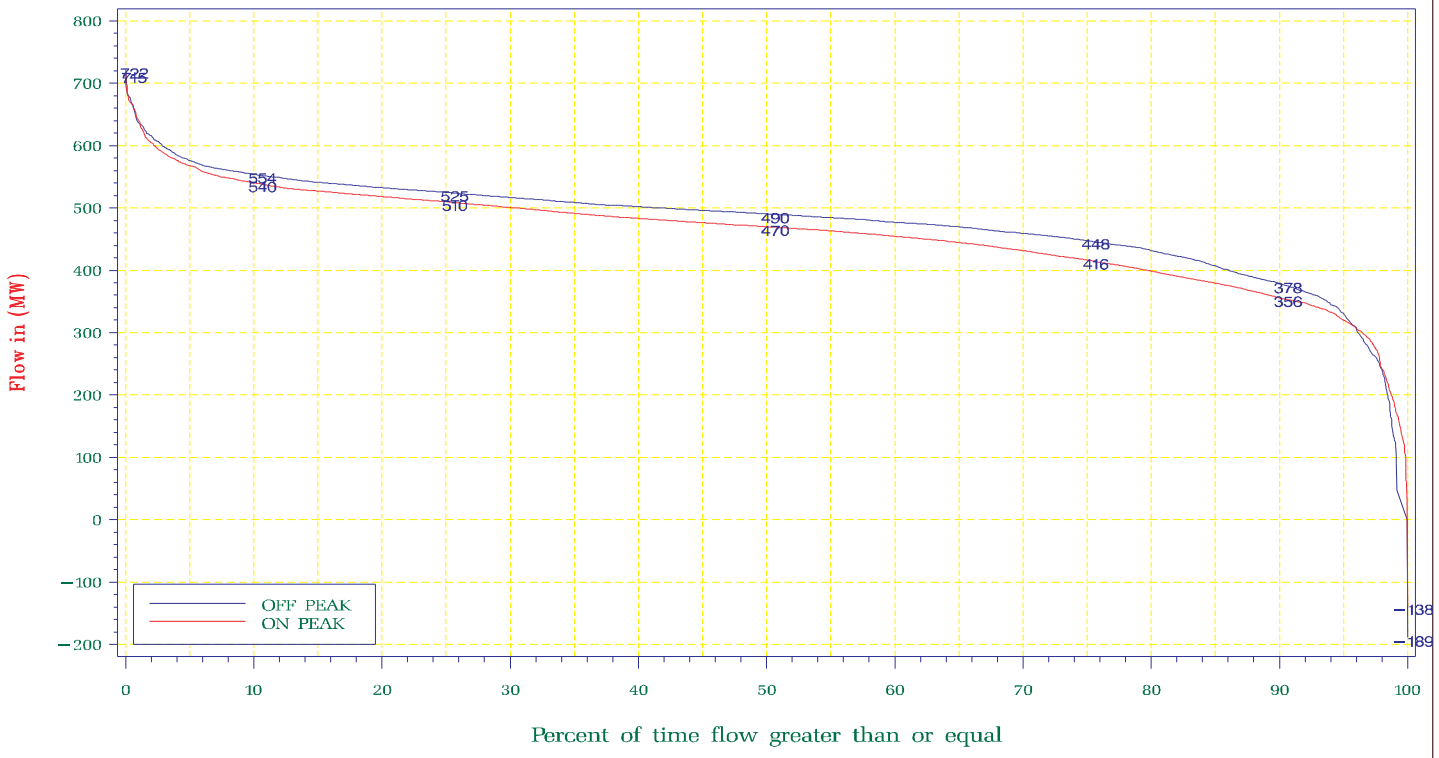
NYISO Percent of time Interface Flow For January – December 2003

Y49:Sprainbrook – E.Garden City



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NYISO Frequency Interface Flow For January – December 2004

HOMER CITY – WATERCURE

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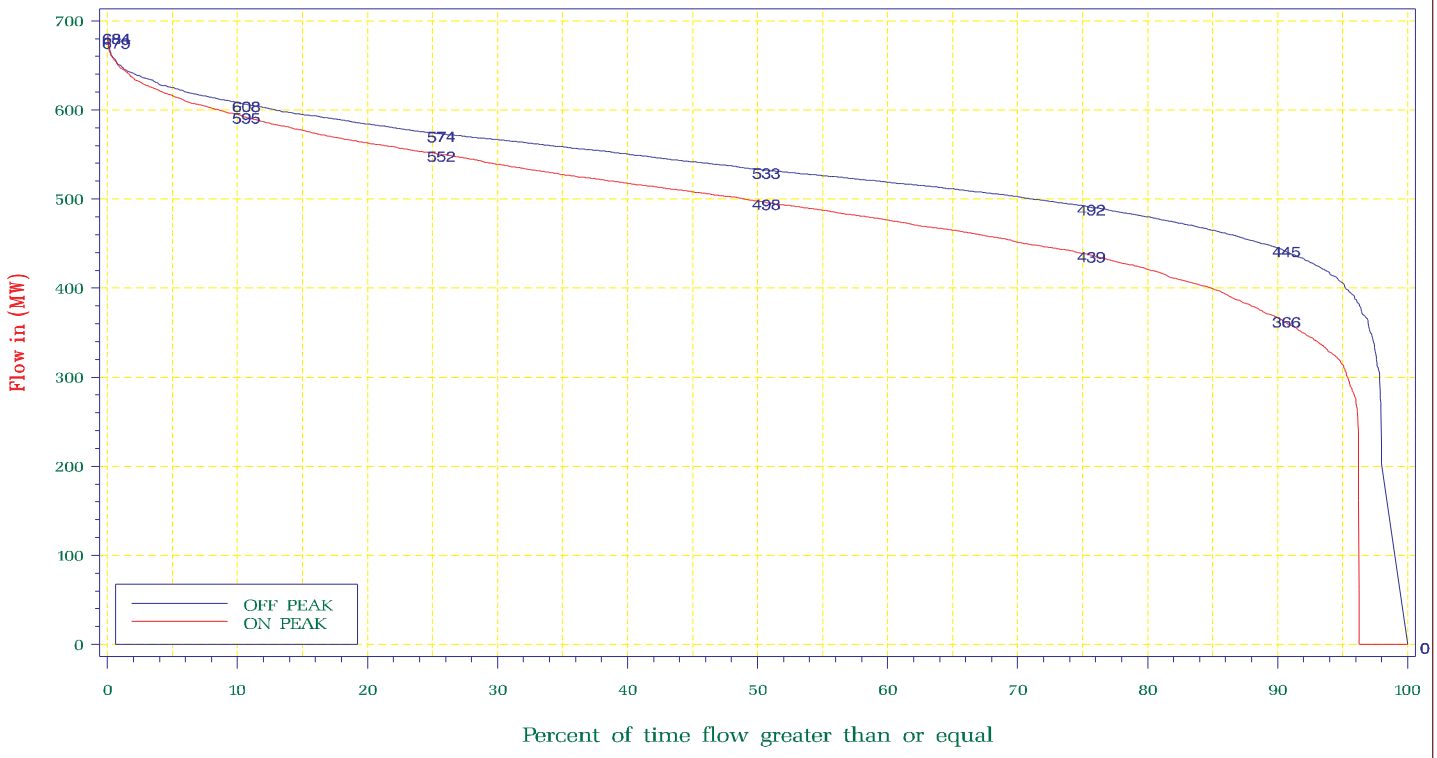
NYISO Percent of time Interface Flow For January – December 2003

HOMER CITY – WATERCURE



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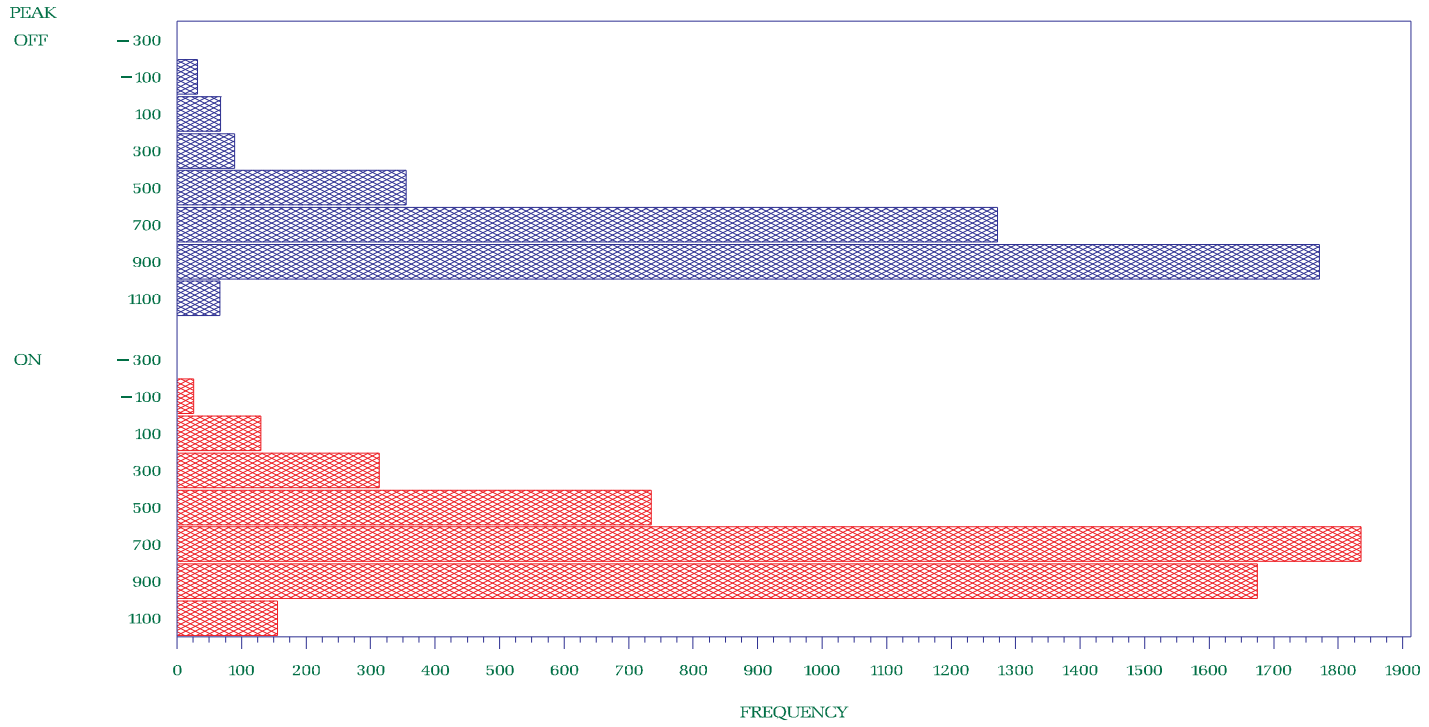
NYISO Frequency Interface Flow For January – December 2004

5018:BRANCHBURG – RAMAPO



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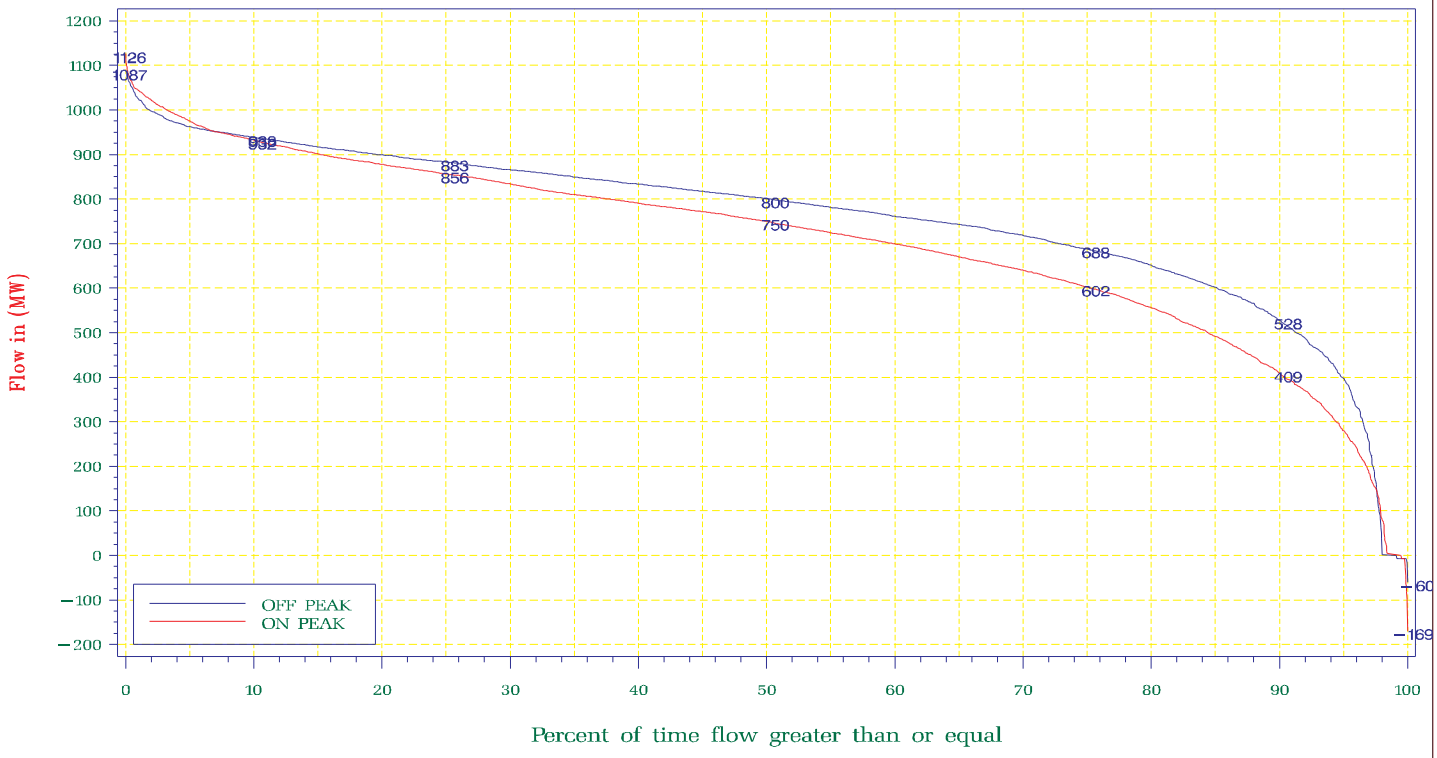
NYISO Percent of time Interface Flow For January – December 2003

5018:BRANCHBURG – RAMAPO



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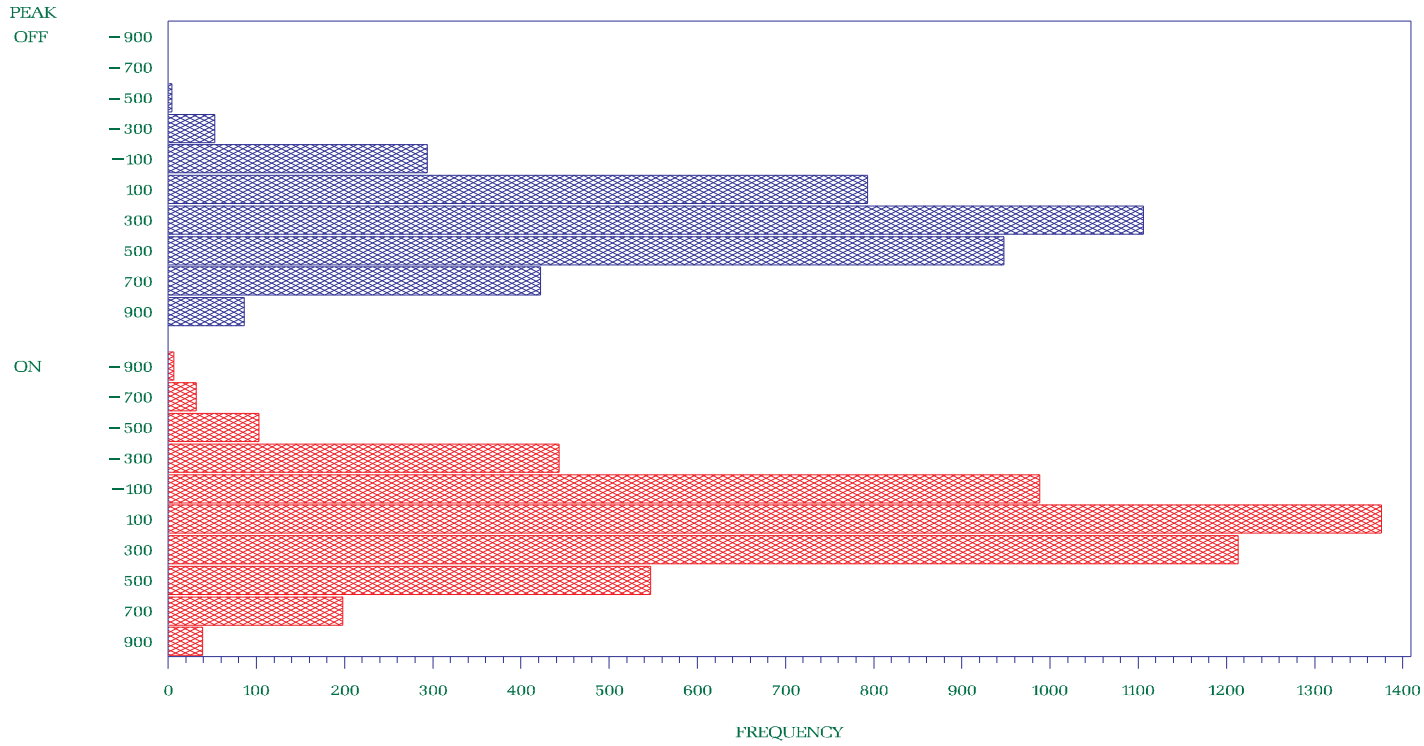
NYISO Frequency Interface Flow For January – December 2004

Con Ed/PSEG PAR (JK/ABC) Imbalance

+ is toward PSEG



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NYISO Percent of time Interface Flow For January – December 2003

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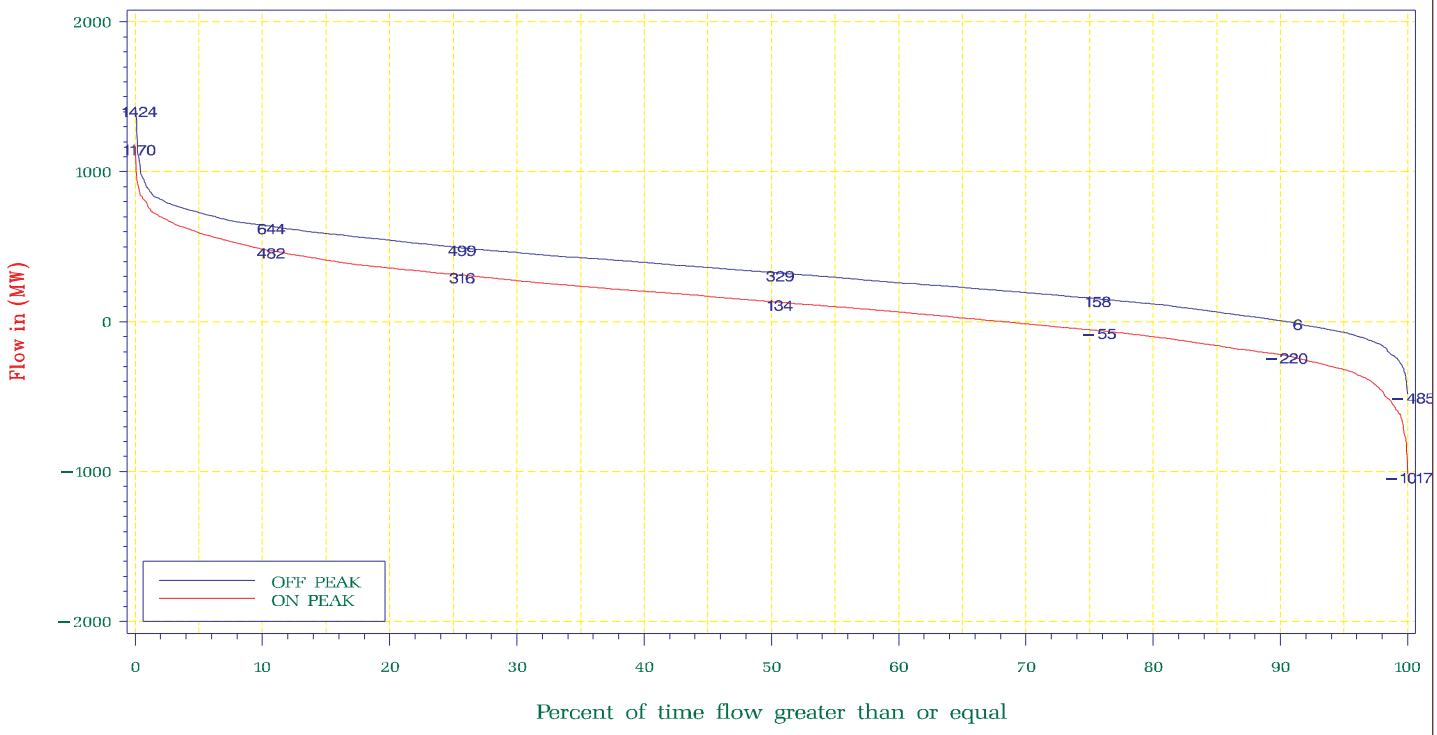

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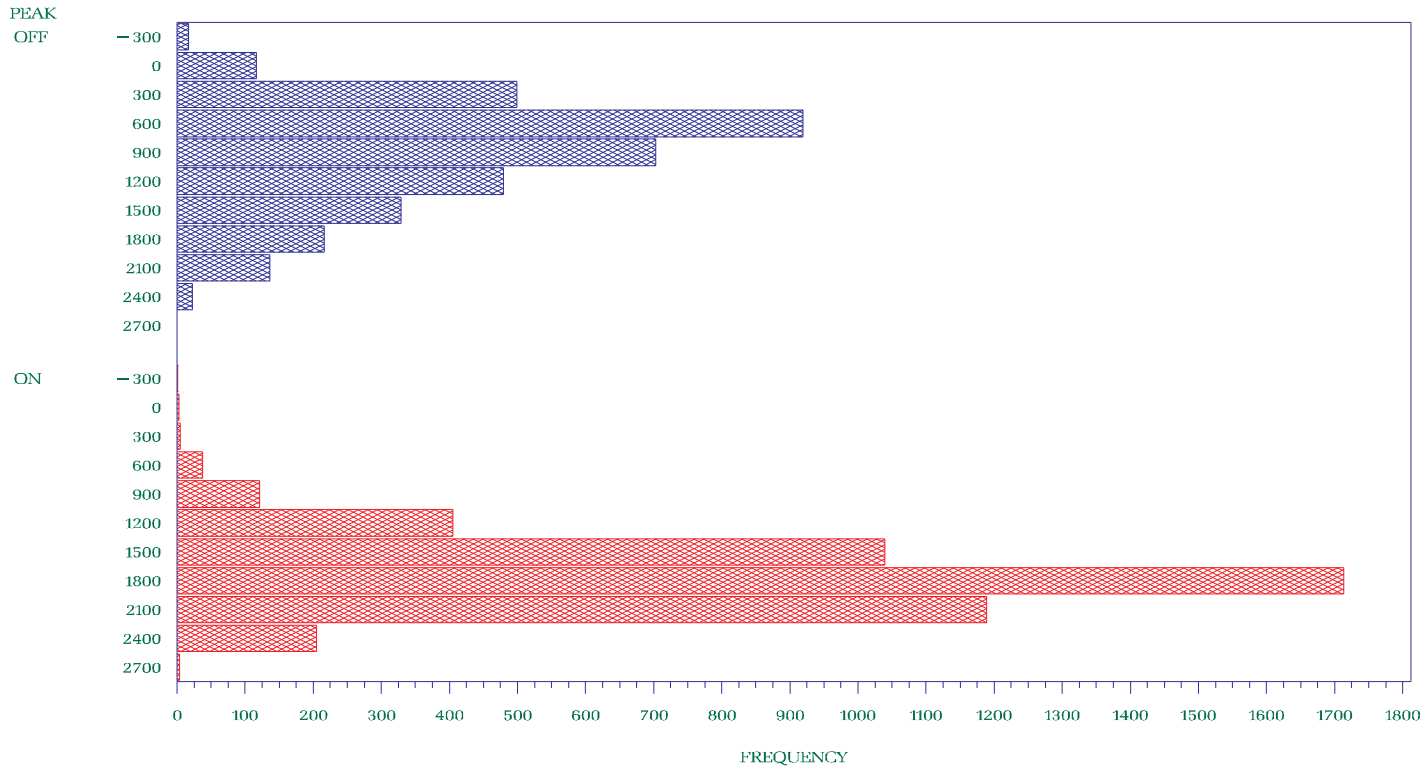
NYISO Frequency Interface Flow For January – December 2004

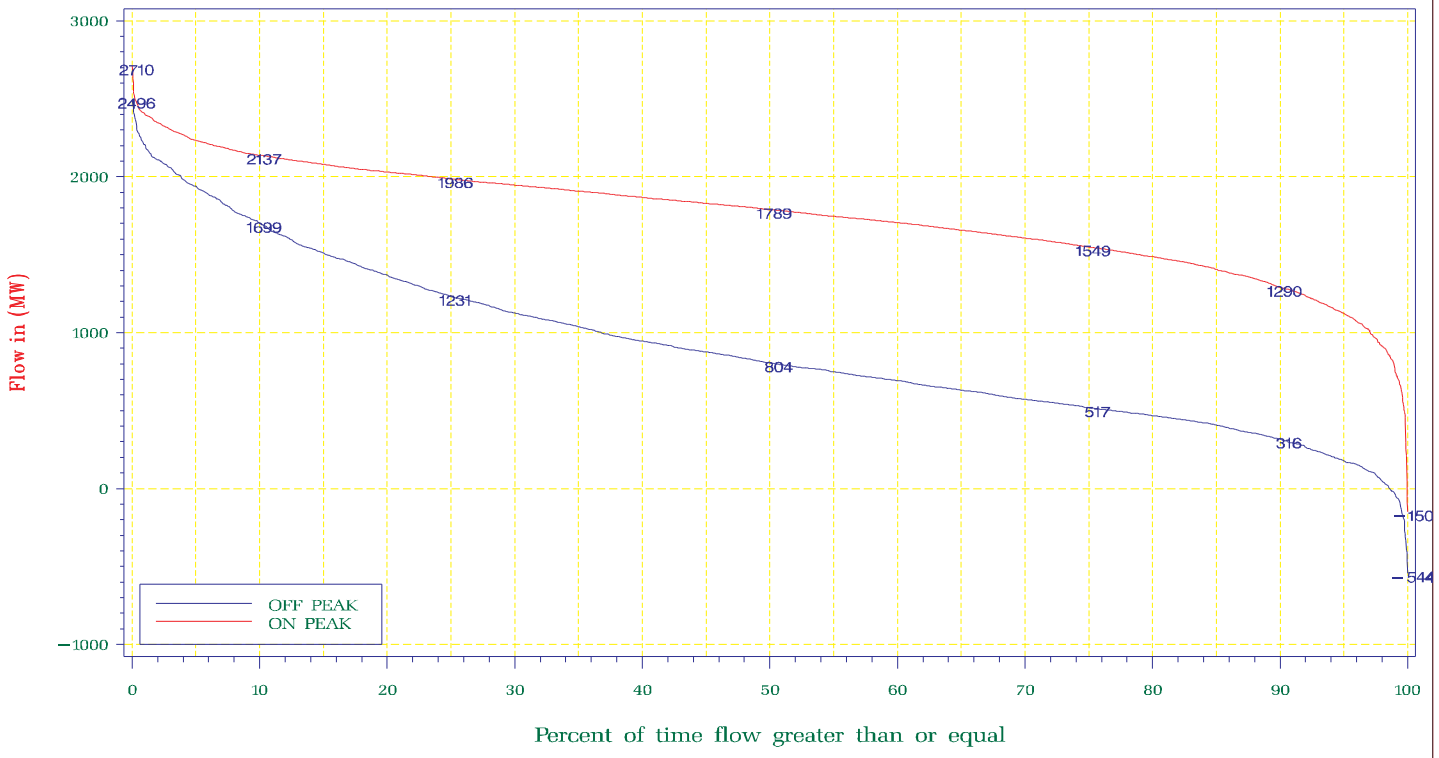
West NY Gen Export



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2003

West NY Gen Export



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

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Appendix G – Margins to Limits
On- Peak vs. Off- Peak

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Prepared by: Tu Minh Thi Nguyen

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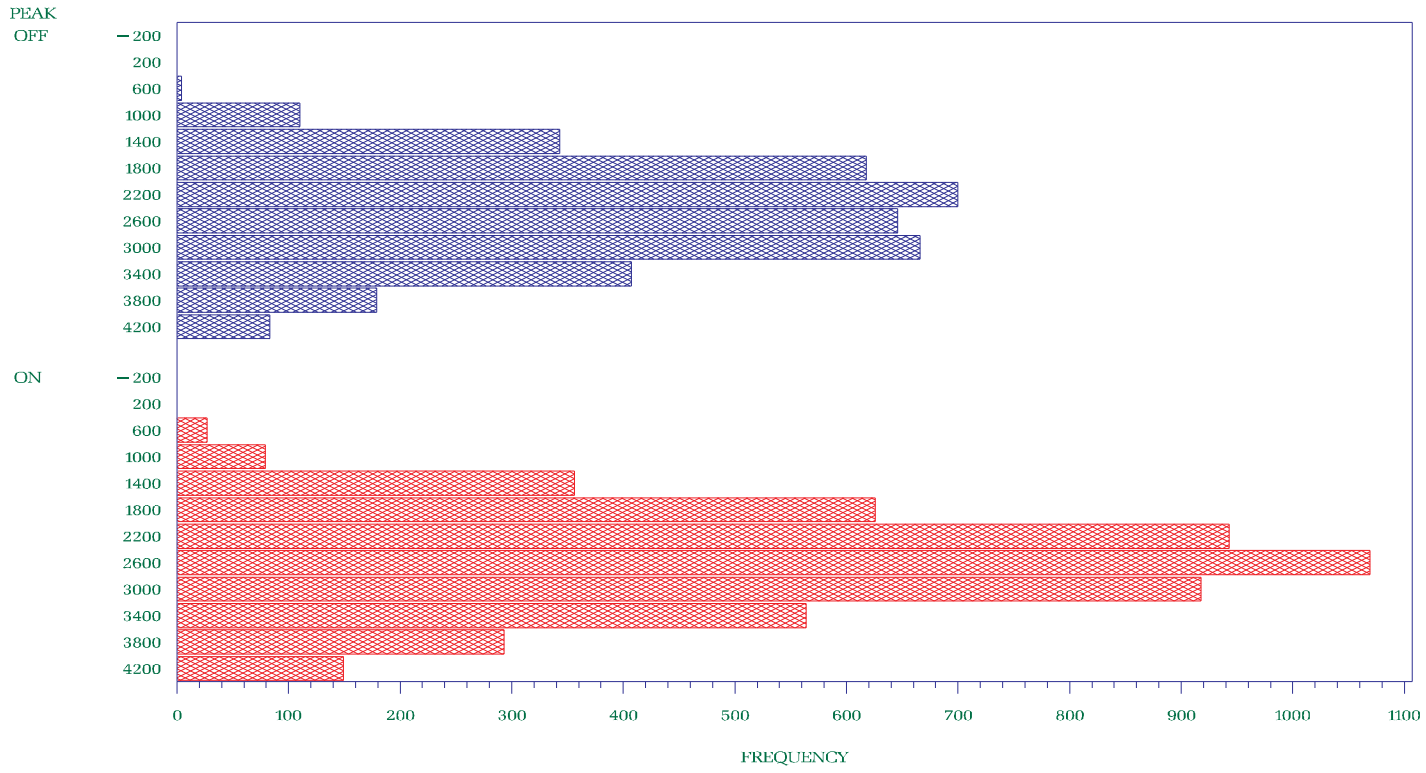
NYISO Frequency Interface Flow For January – December 2004

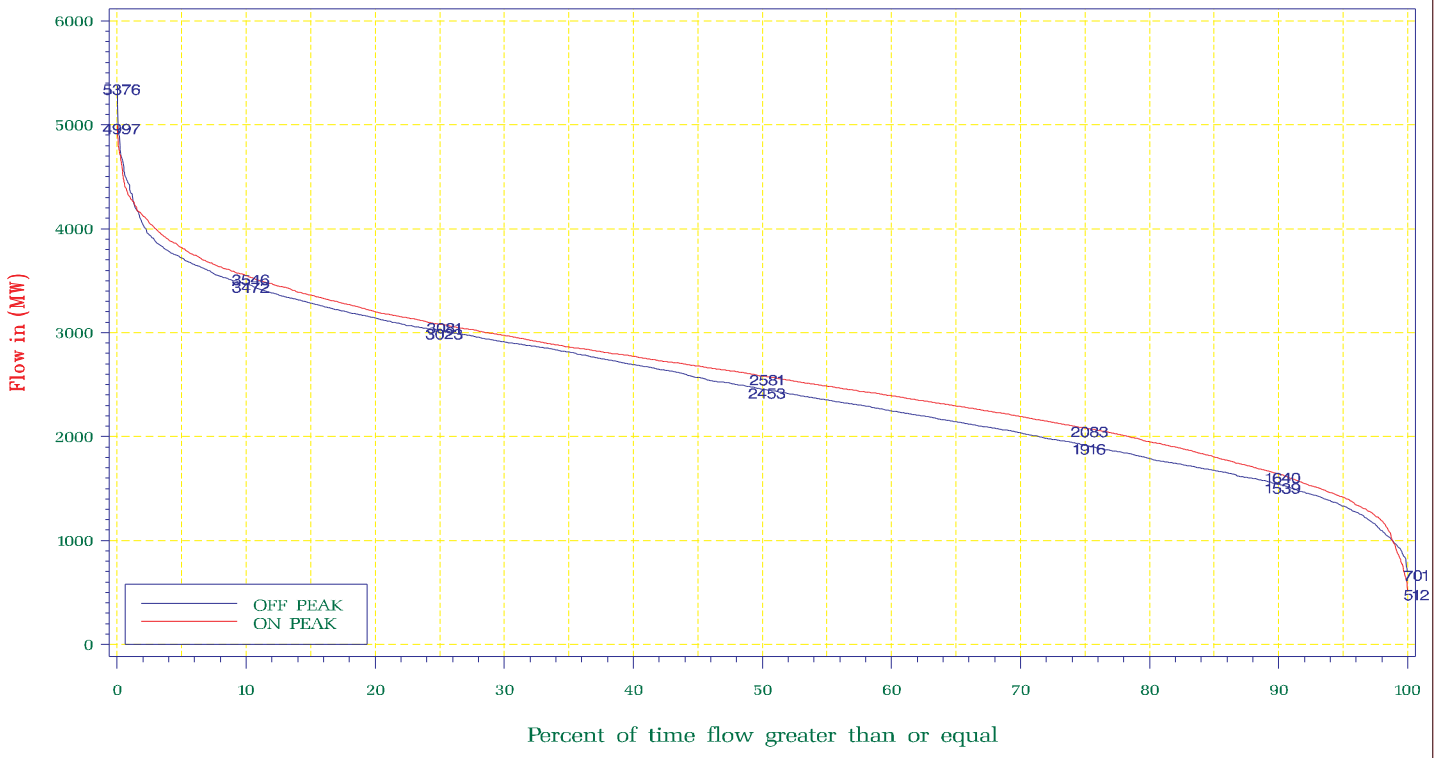
Margin to Total East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

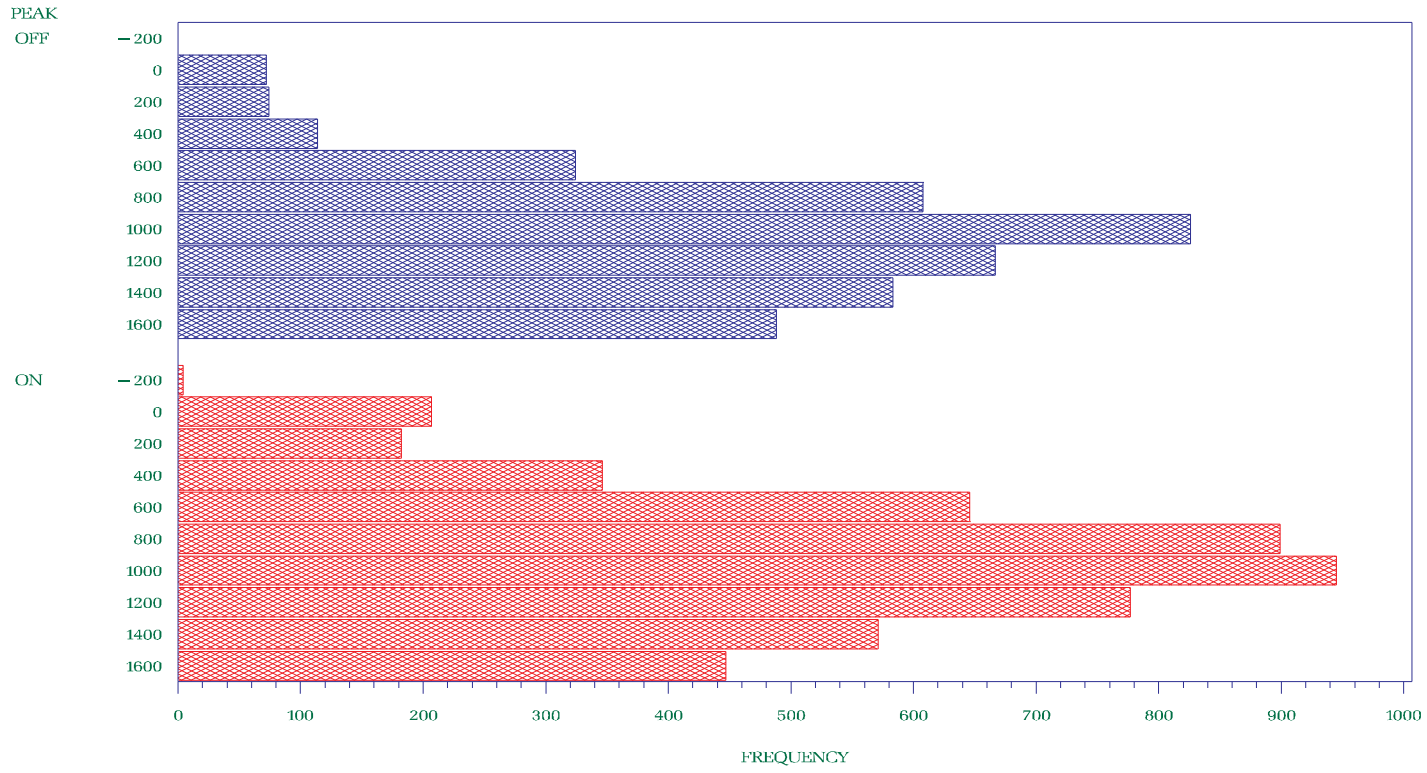
Margin to Total East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

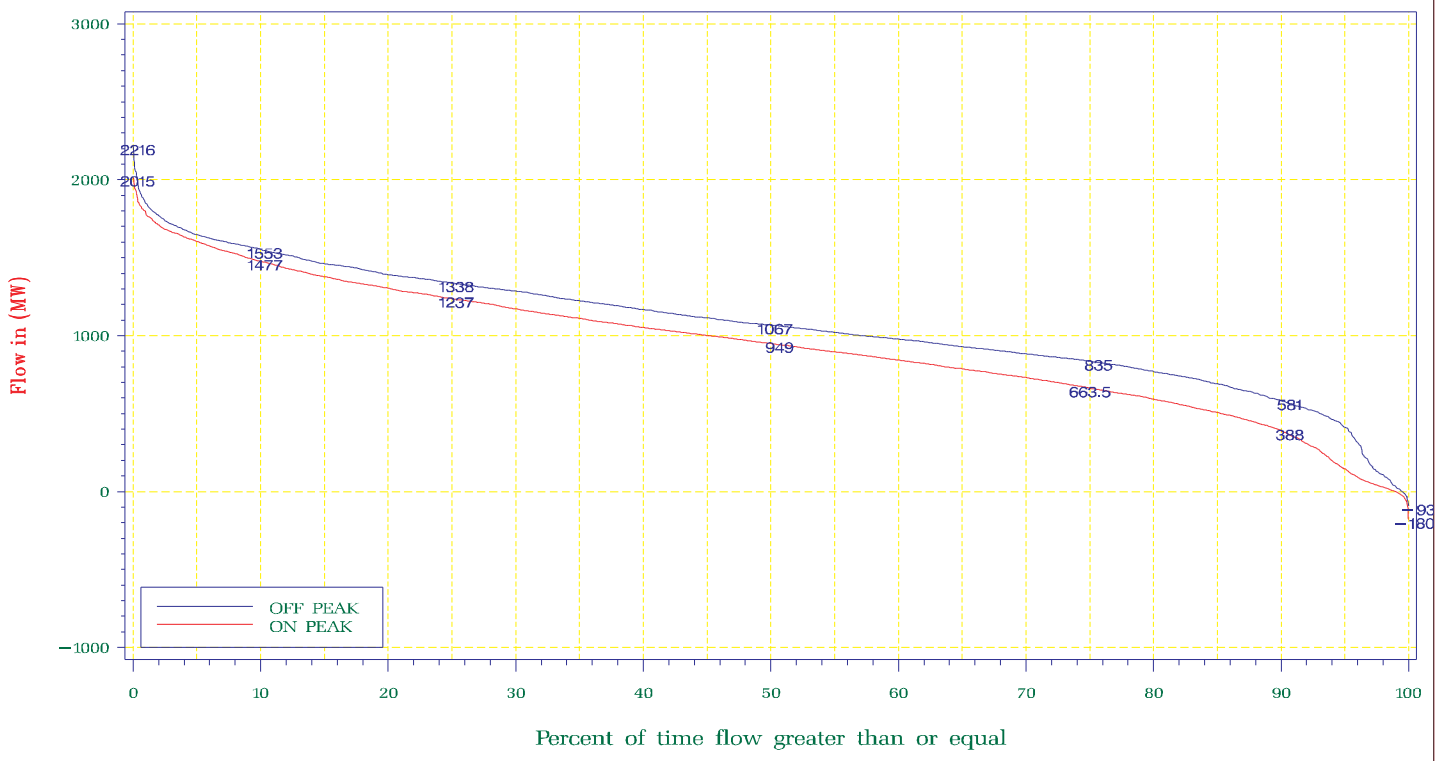
Margin to Central East Stability Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

Margin to Central East Stability Limit

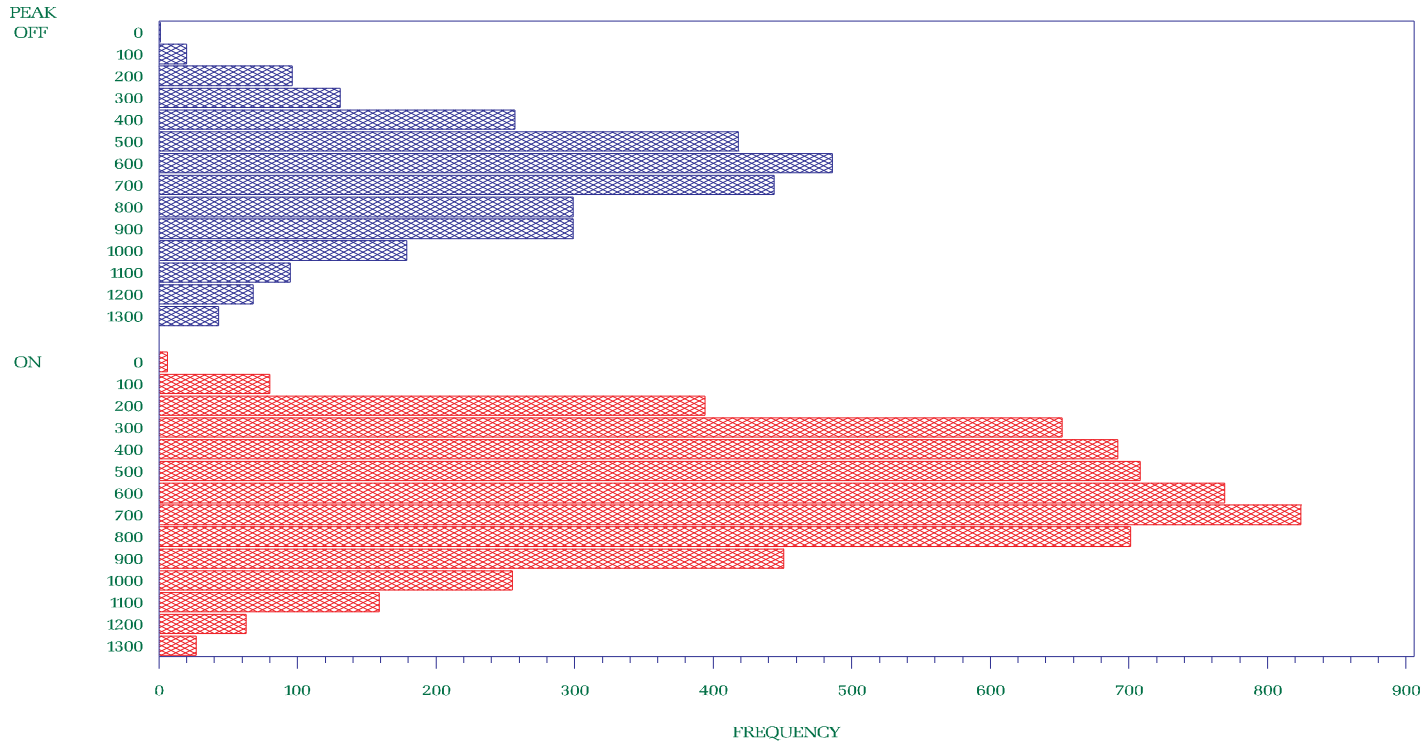


OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

Pre–Contingency Margin to Central East Limit

Minimum of 3 Most Limiting Voltage Collapse Limits

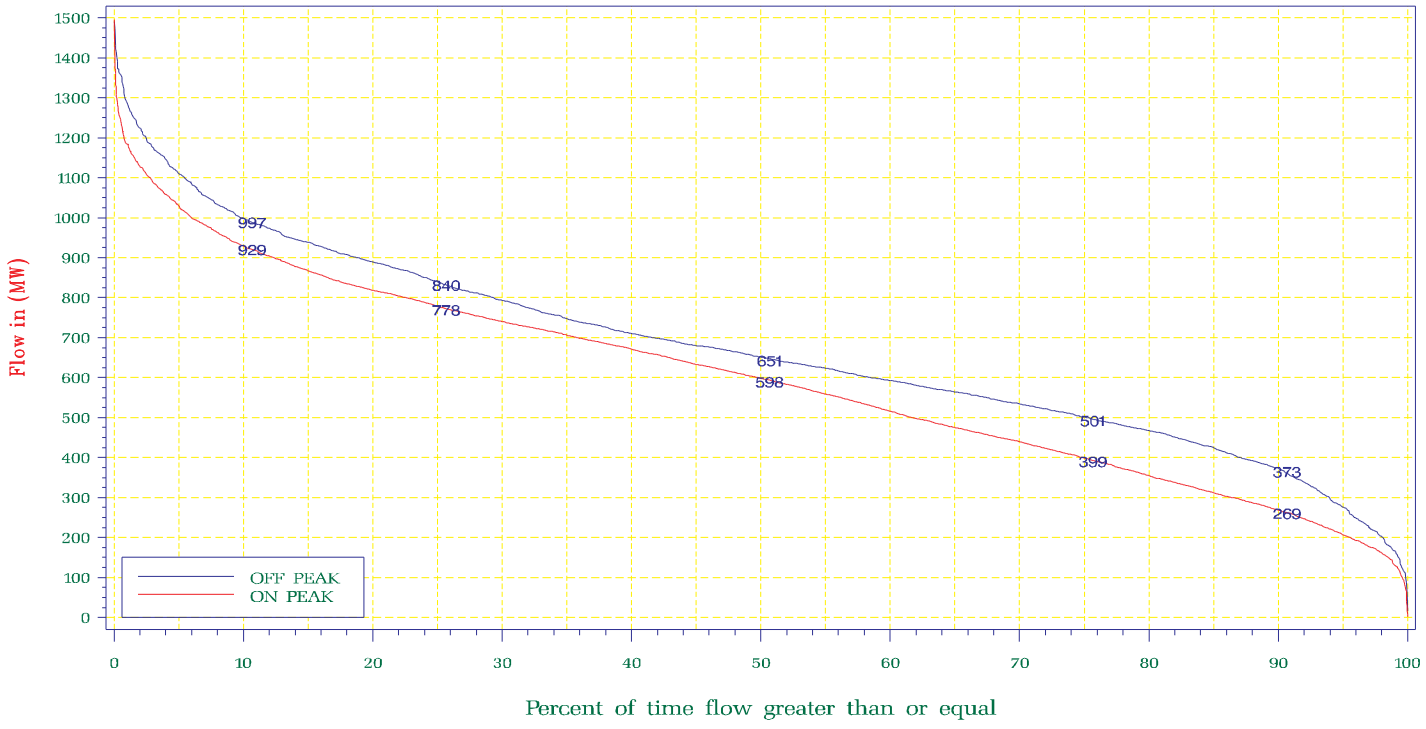


OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

Pre–Contingency Margin to Central East Limit

Minimum of 3 Most Limiting Voltage Collapse Limits



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

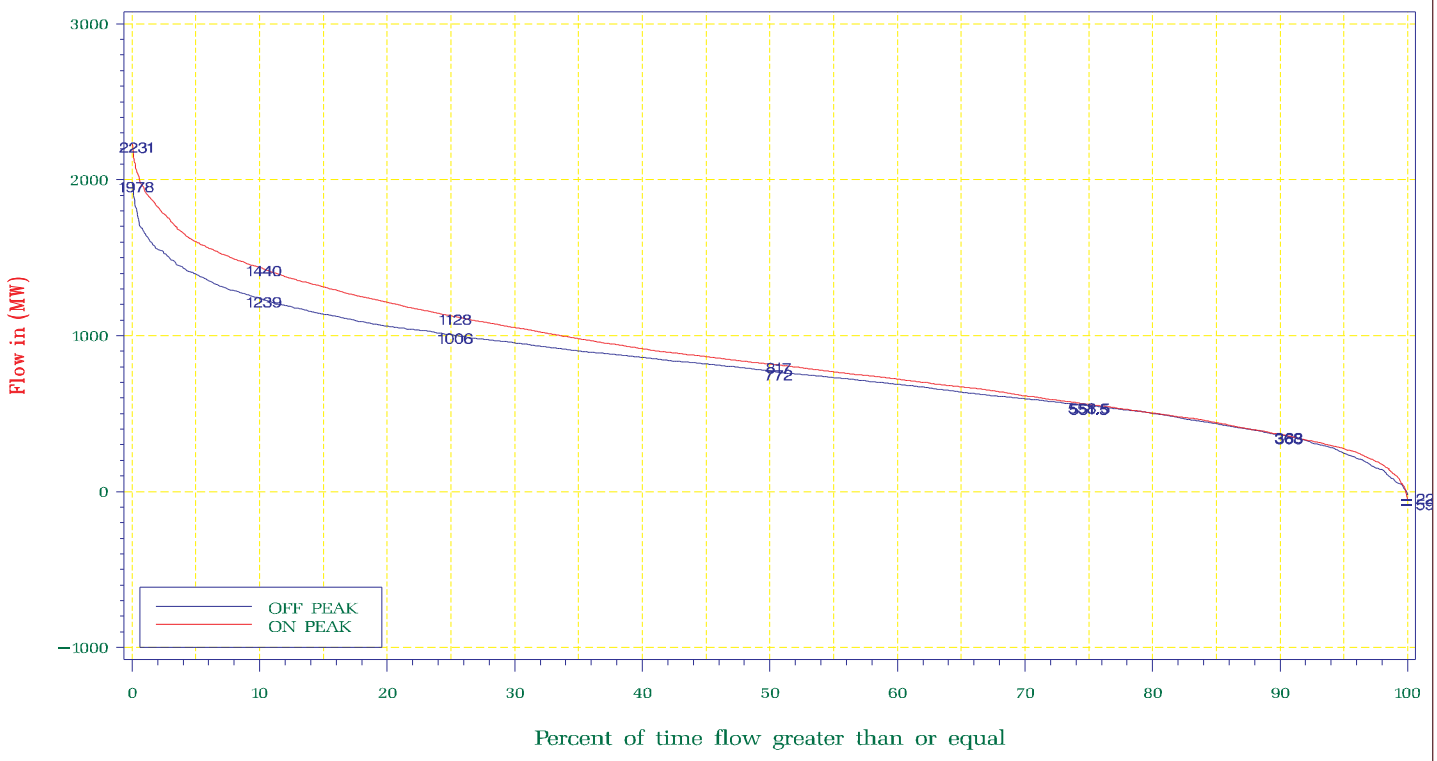
NYISO Frequency Interface Flow For January – December 2004

Margin to West Central Limit

OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

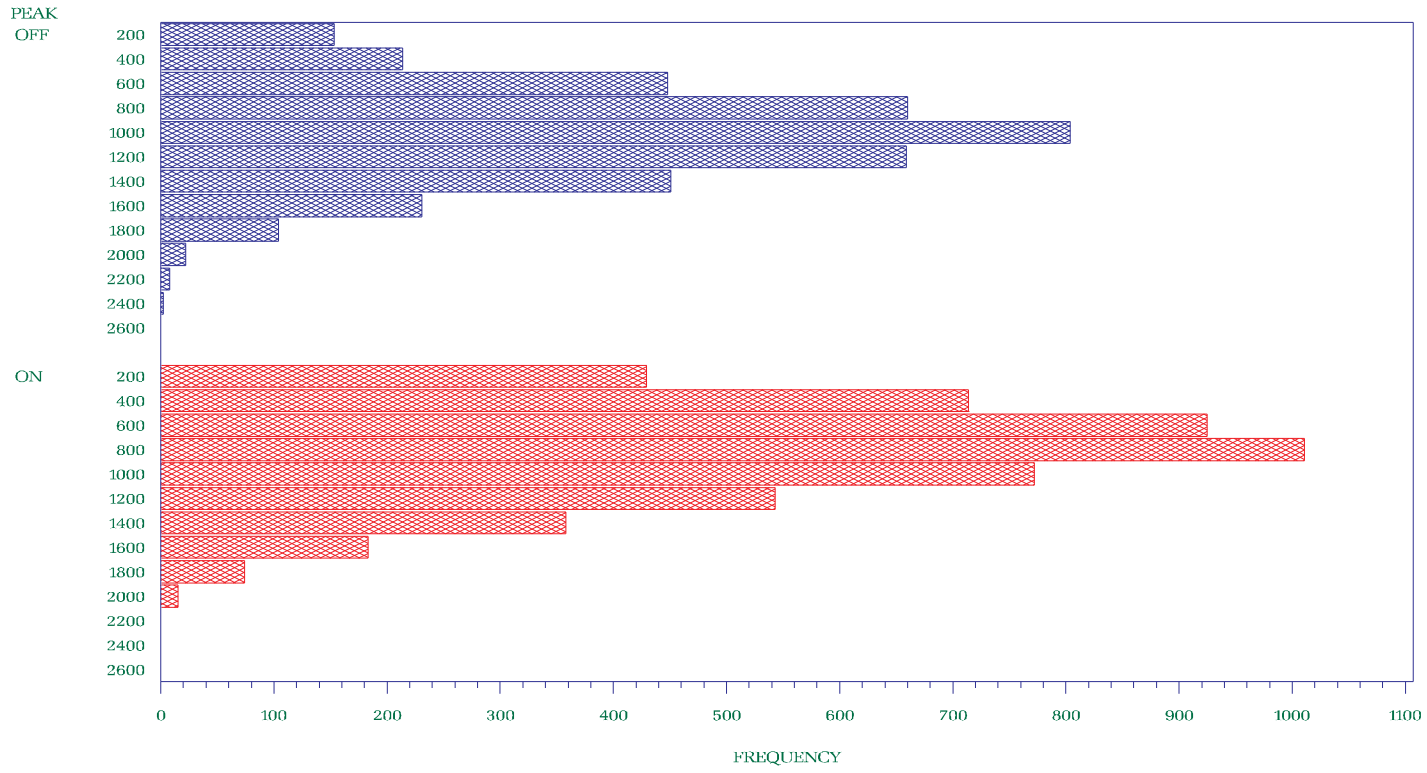
Margin to West Central Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

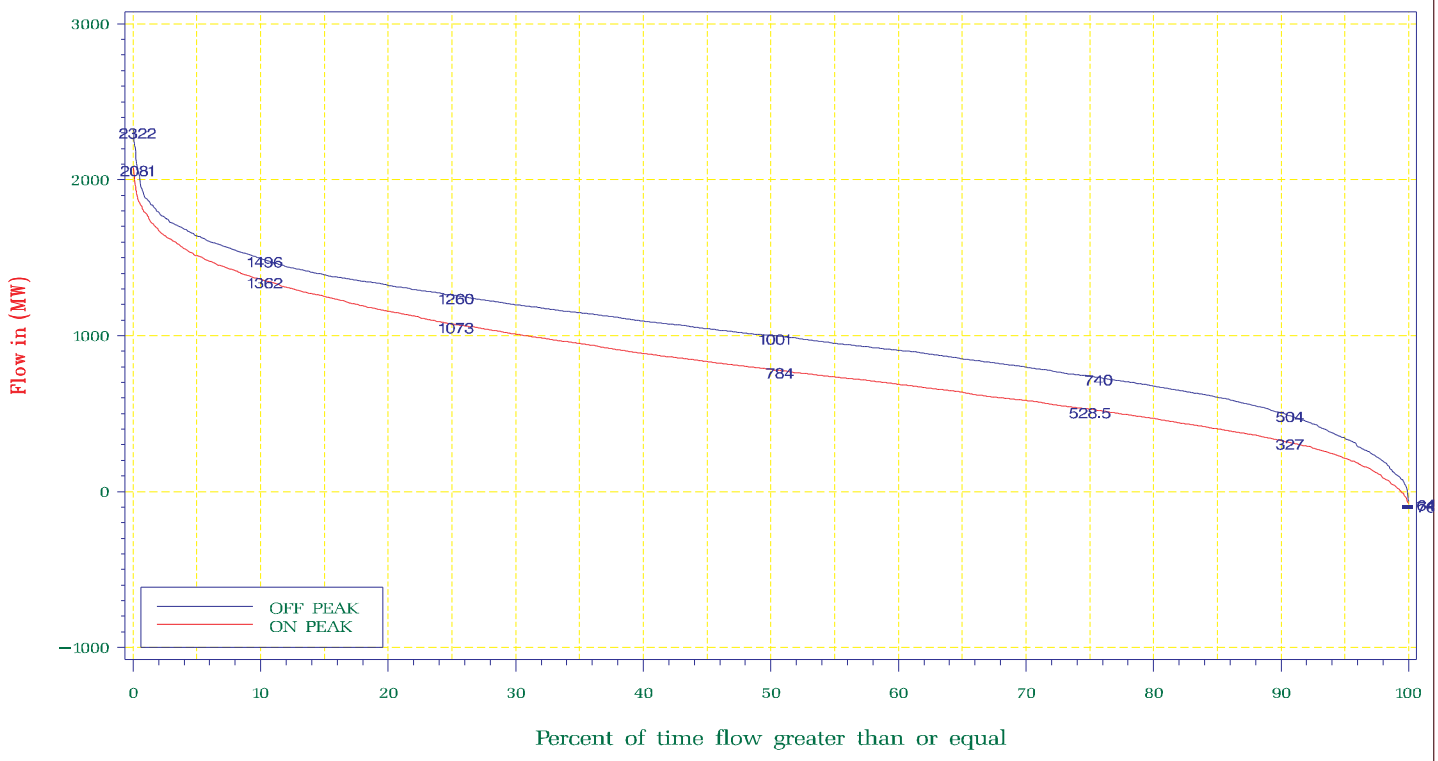
Margin to Dysinger East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

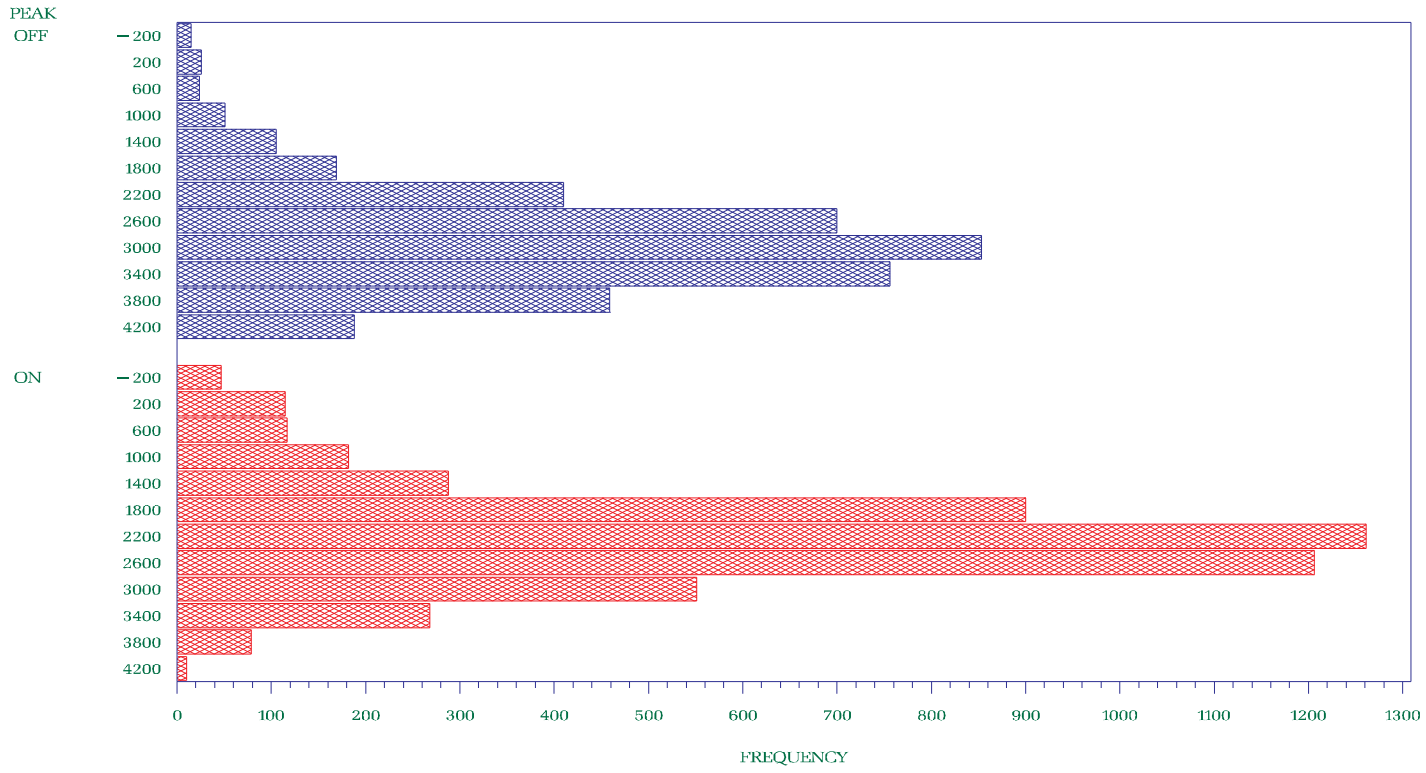
Margin to Dysinger East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

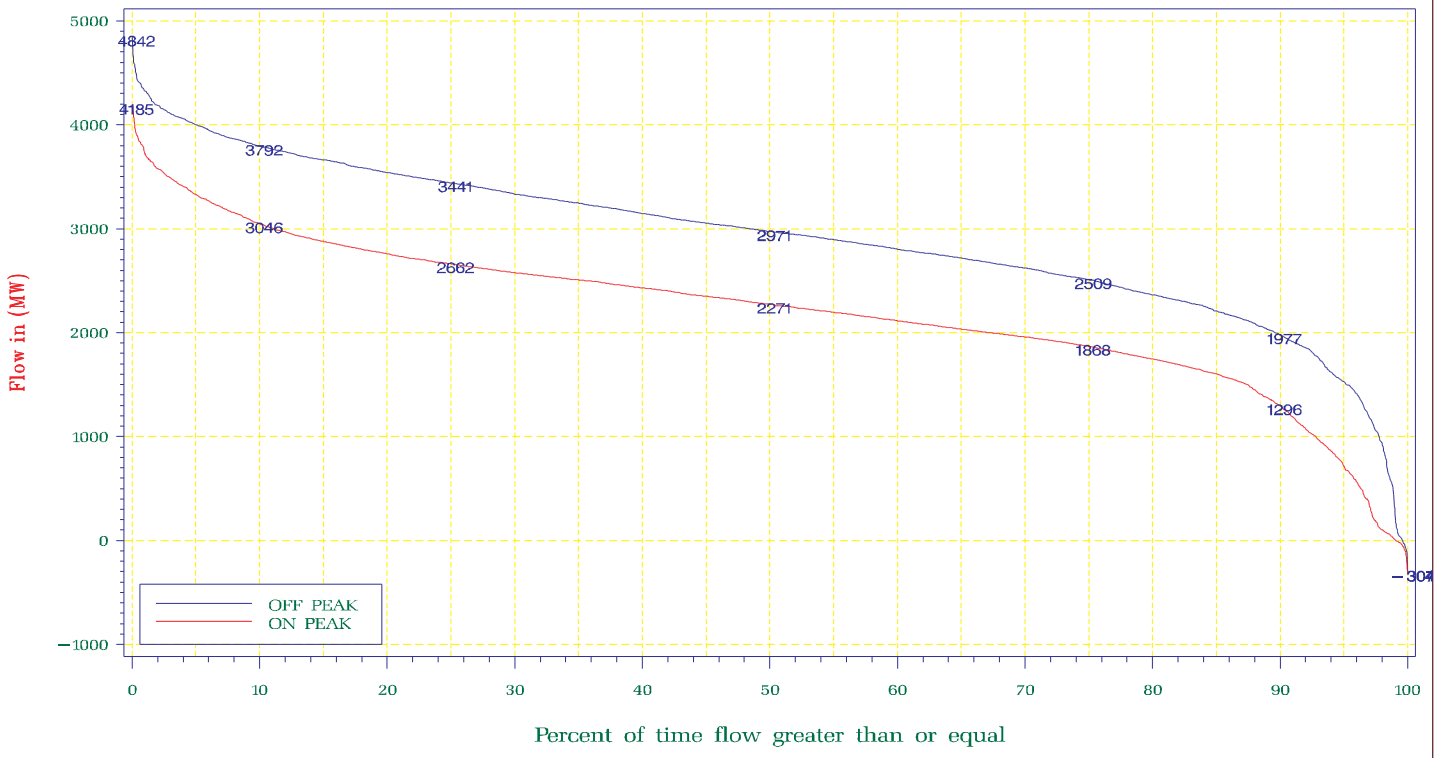
Margin to UPNY Con Ed Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

Margin to UPNY Con Ed Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

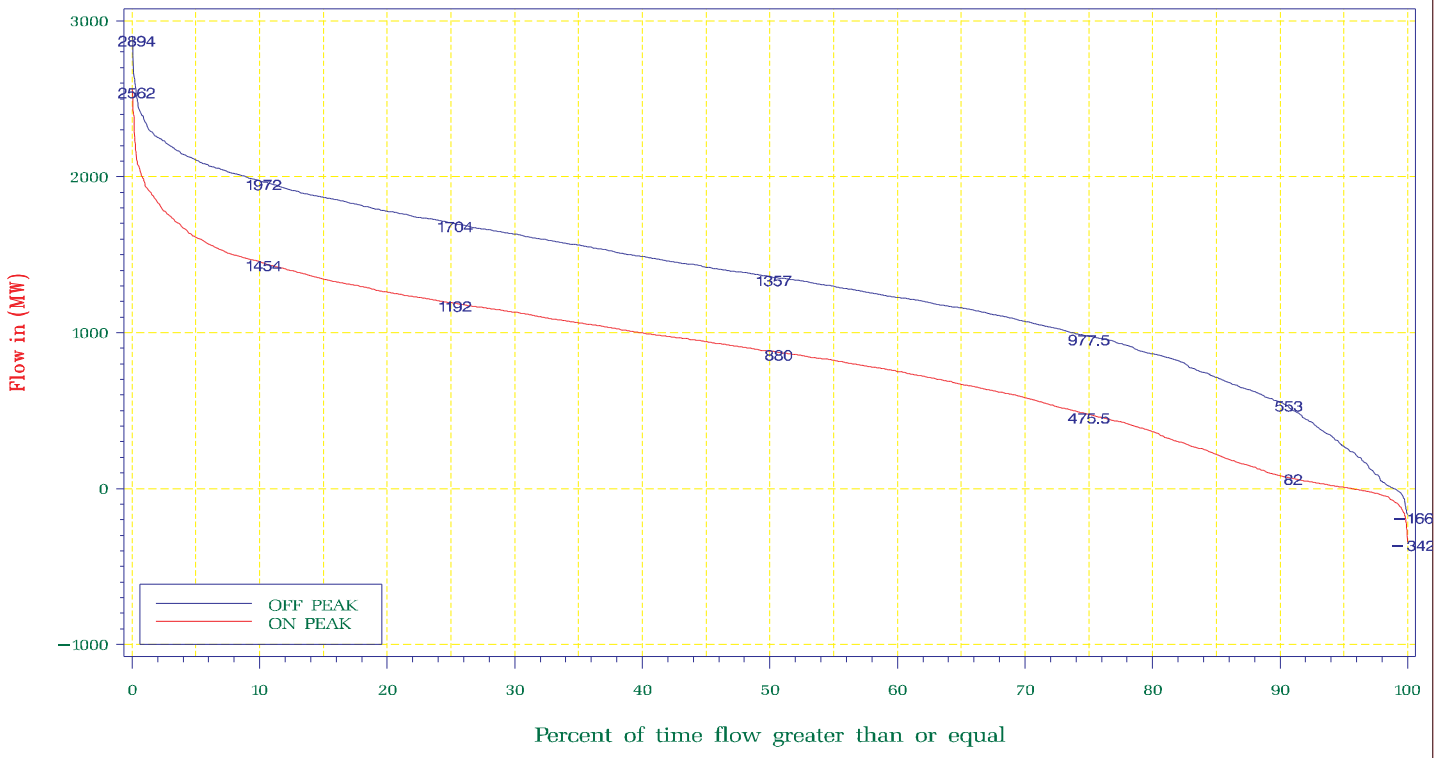
NYISO Frequency Interface Flow For January – December 2004

Margin to Sprainbrook/Dunwoodie Limit

OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

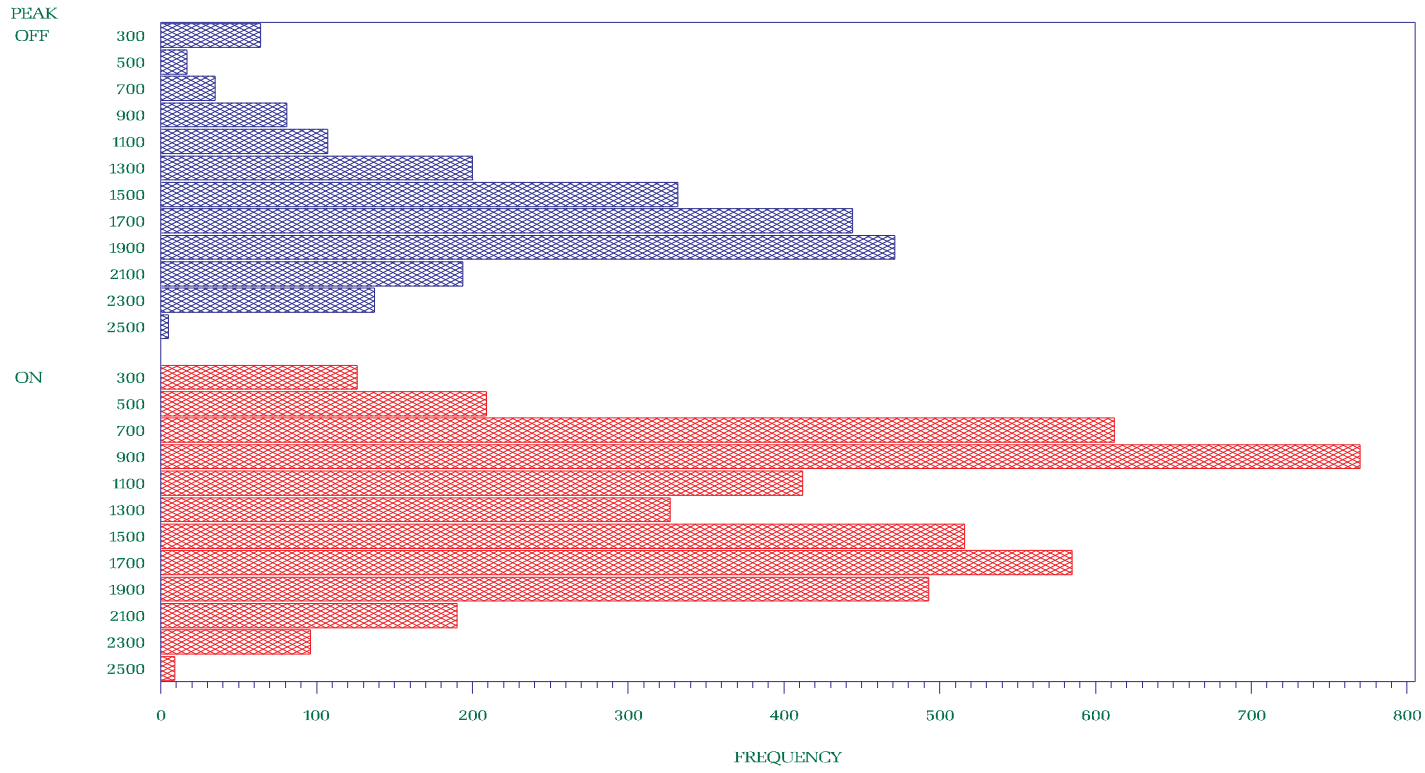
Margin to Sprainbrook/Dunwoodie Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

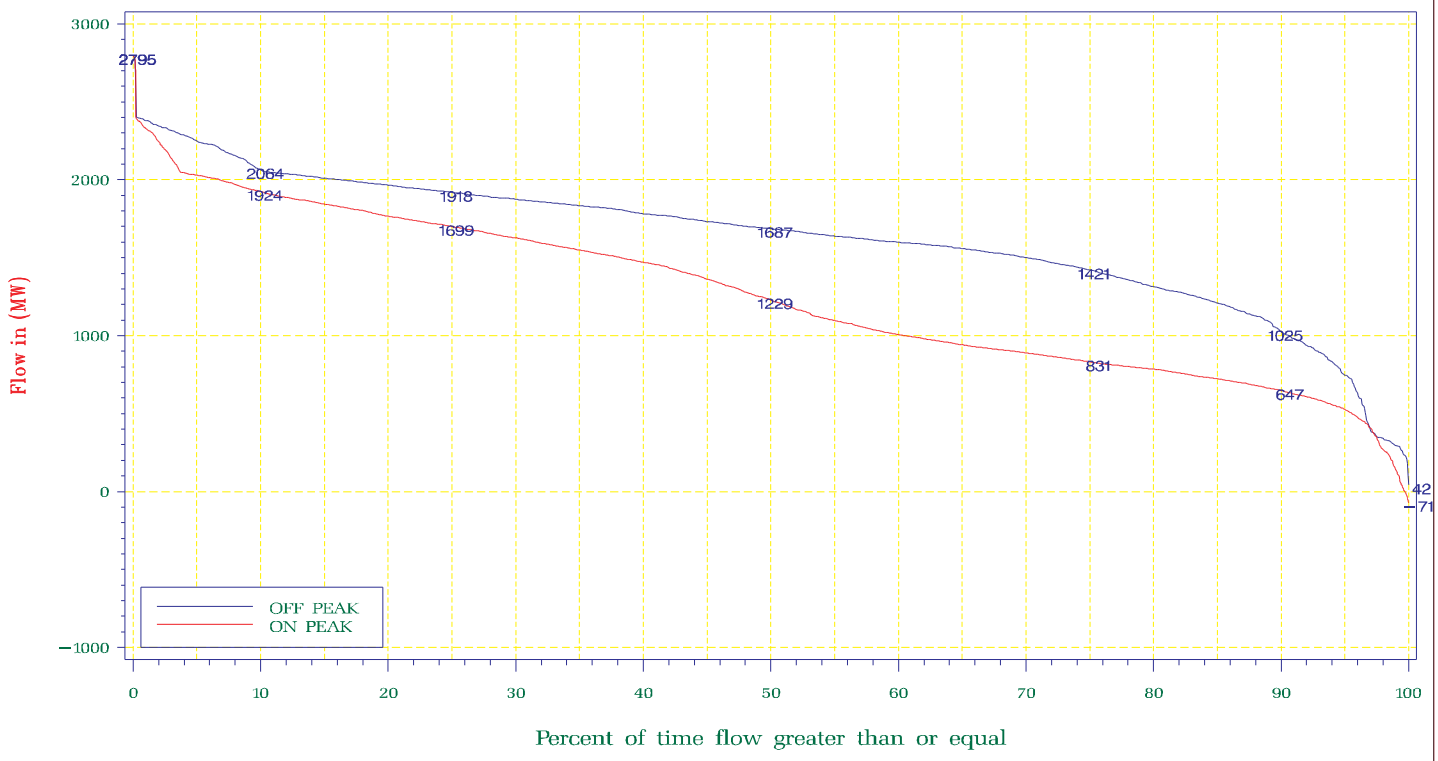
Margin to Moses South Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

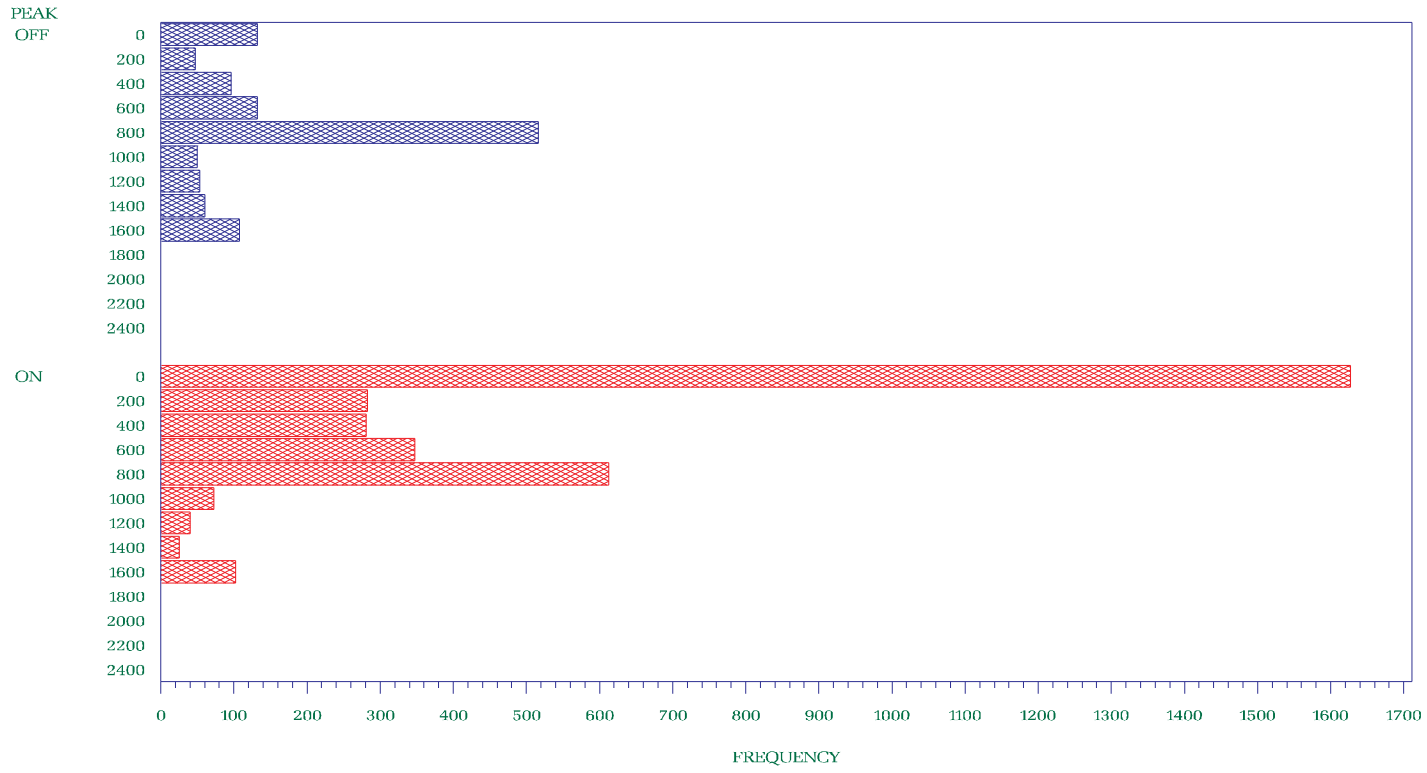
Margin to Moses South Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

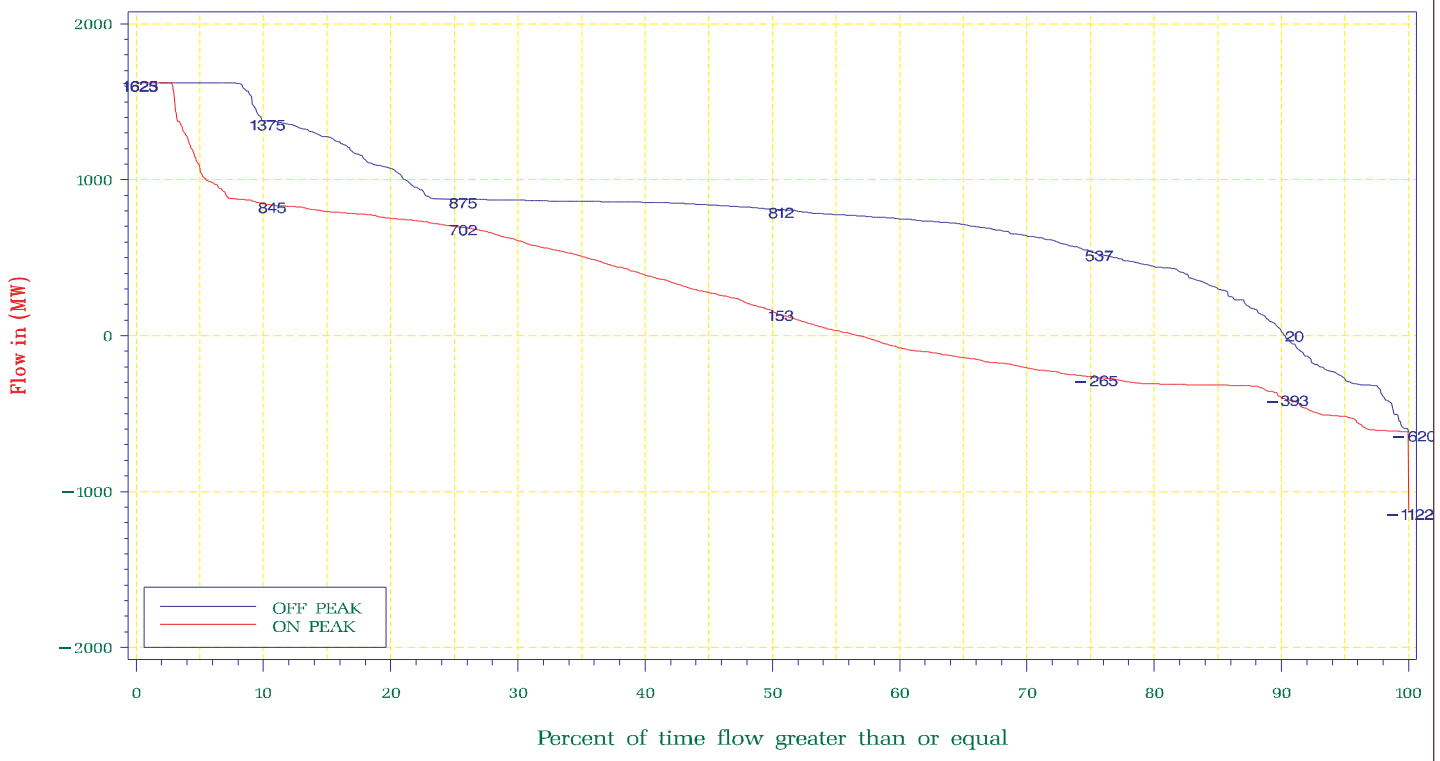
Margin to TE–NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

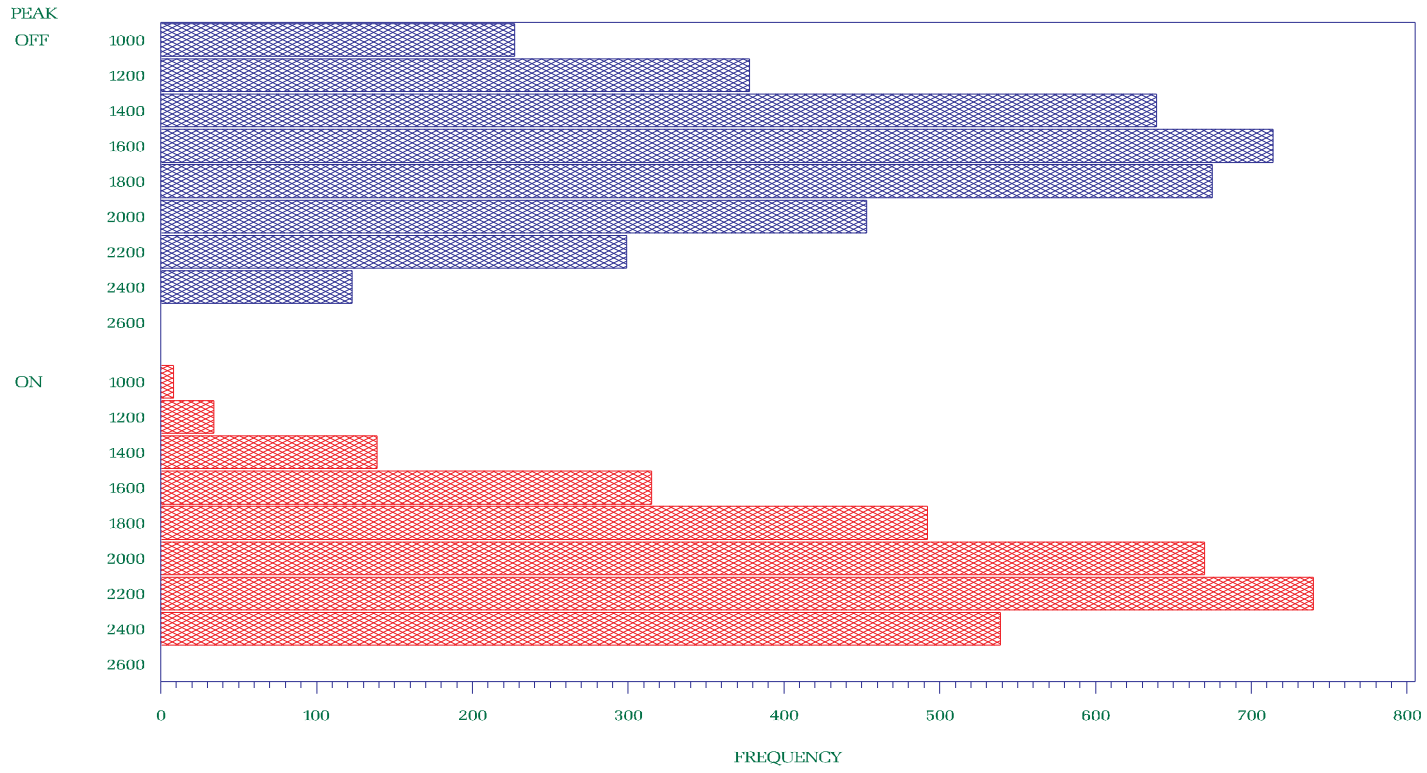
Margin to TE–NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

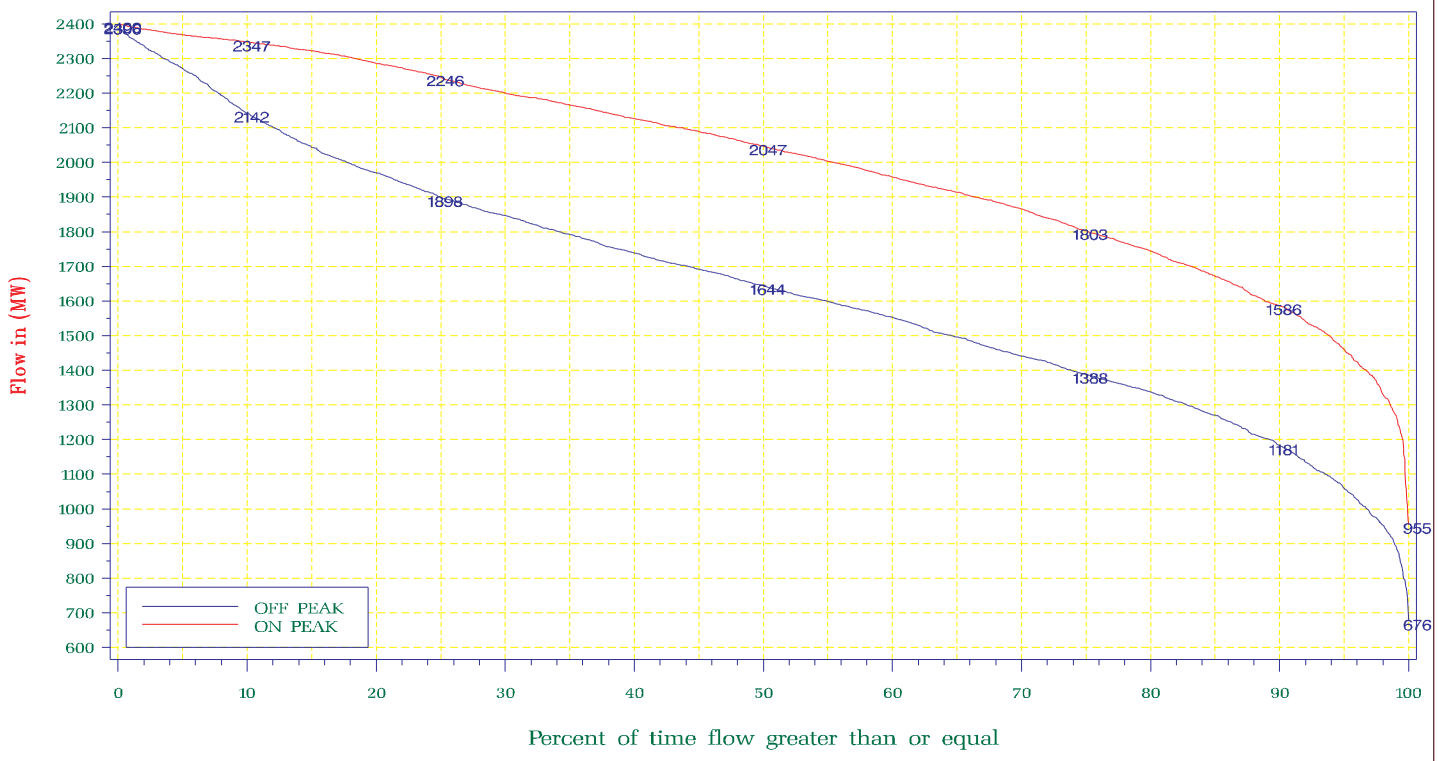
Margin to Ontario – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

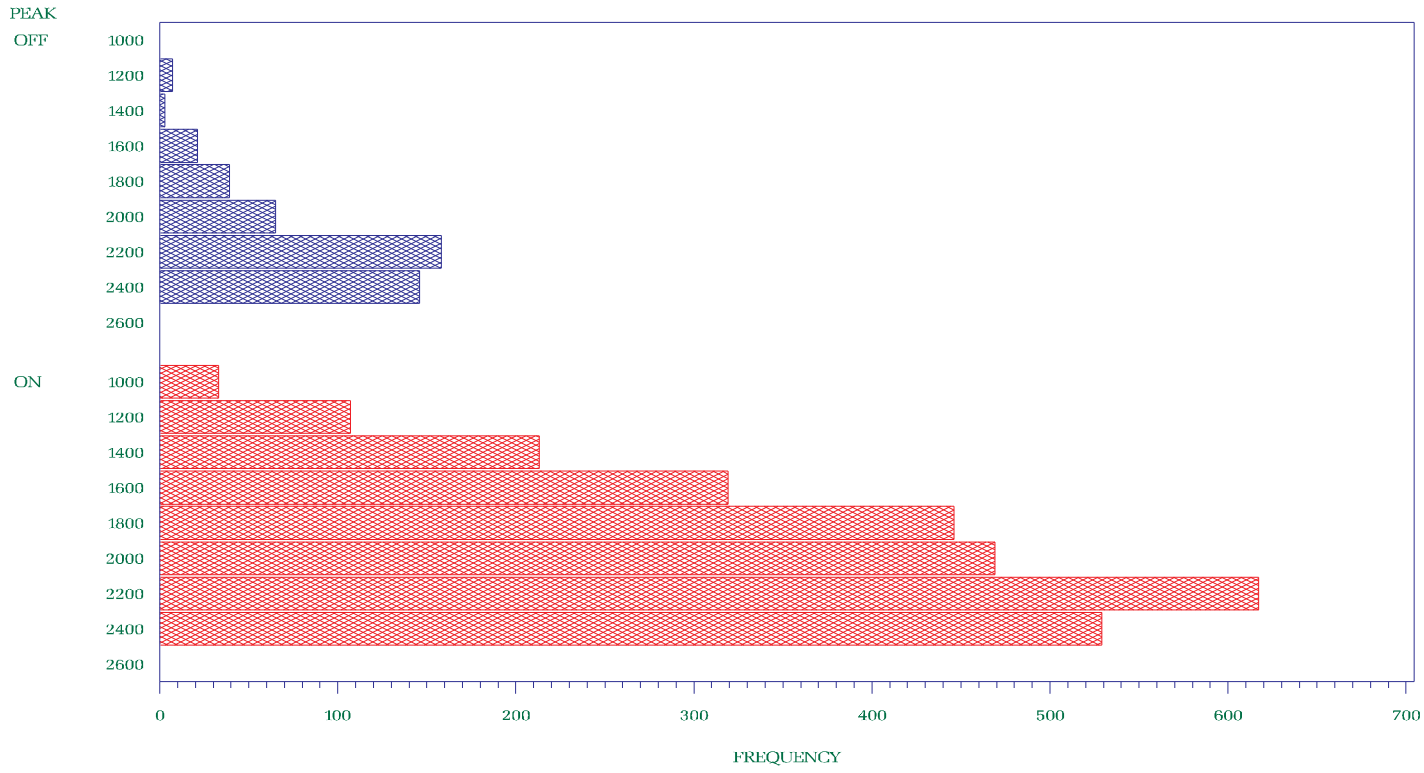
Margin to Ontario – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

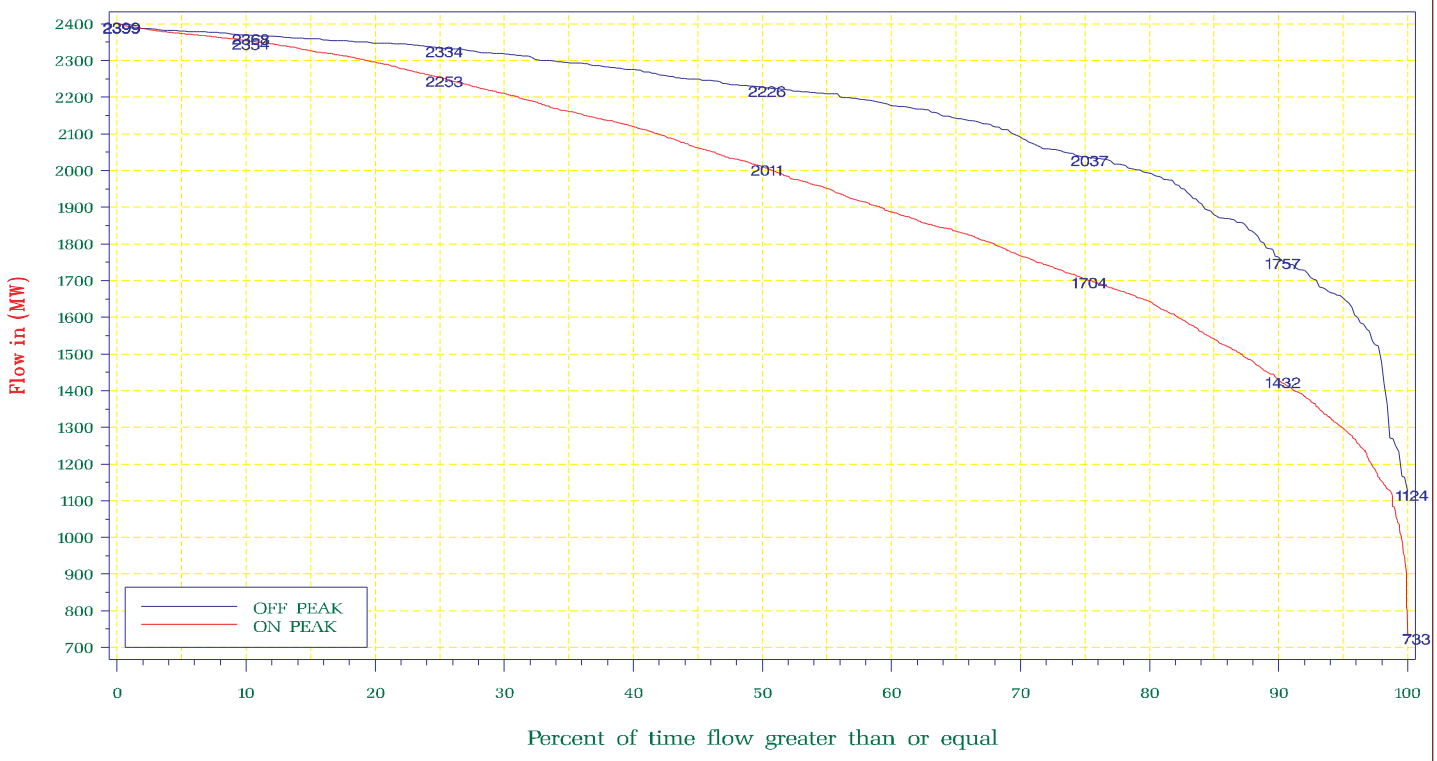
Margin to NY–Ontario Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

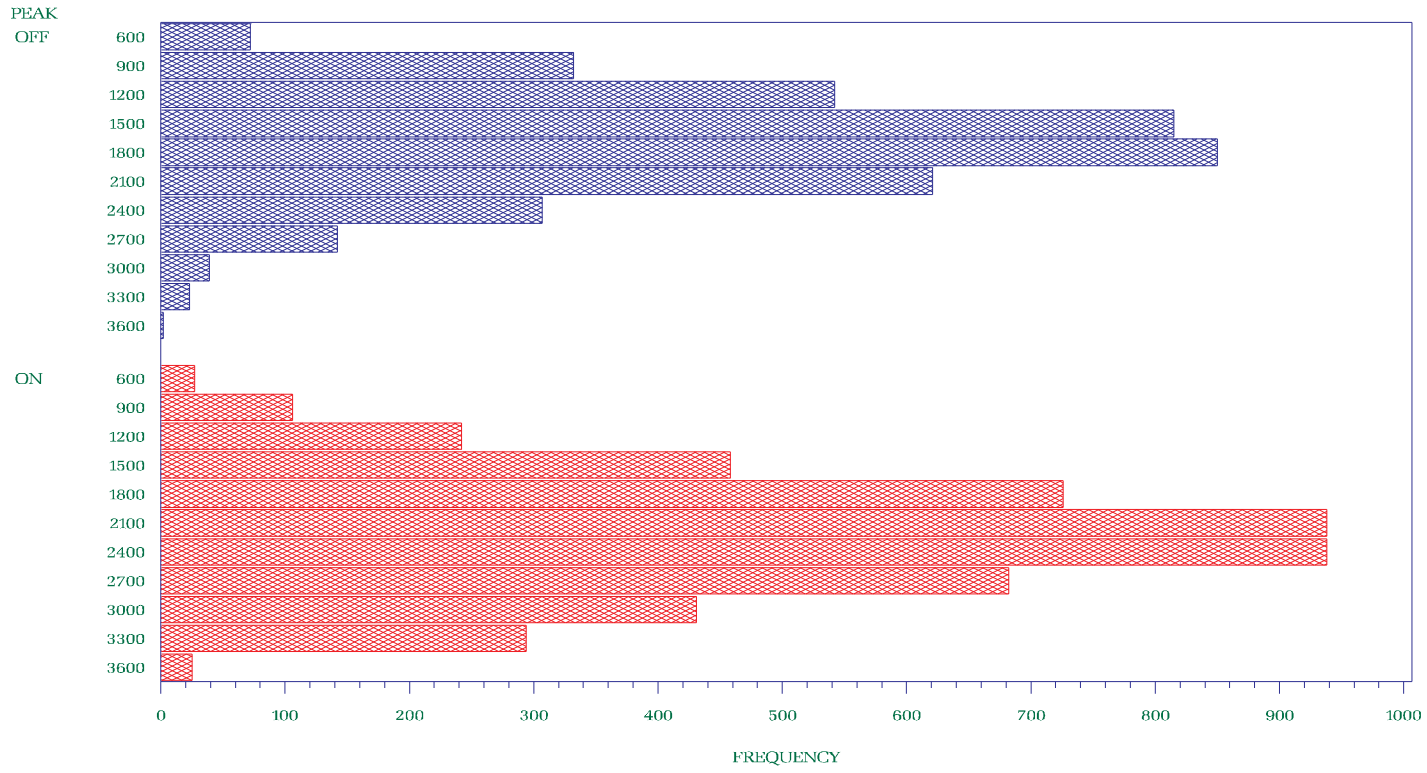
Margin to NY–Ontario Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

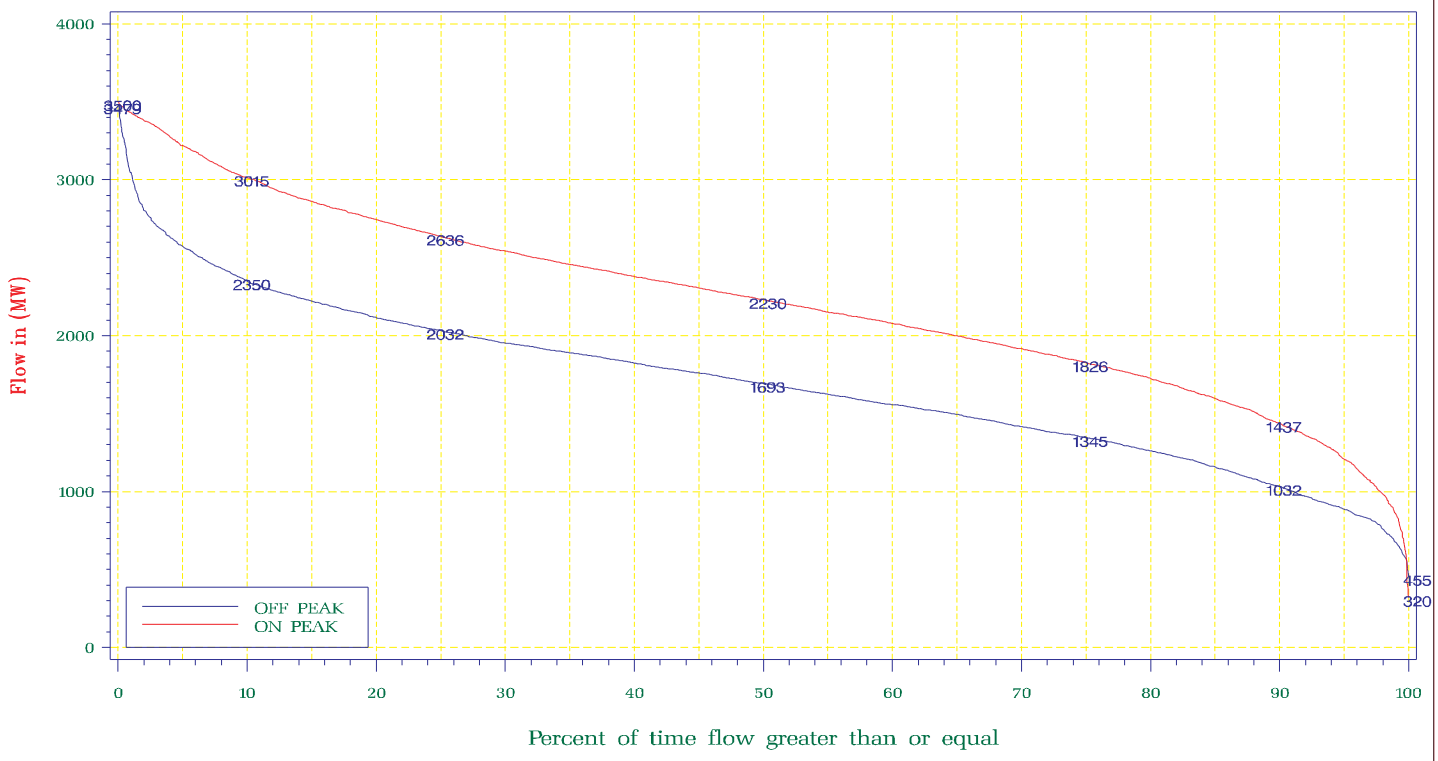
Margin to PJM – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

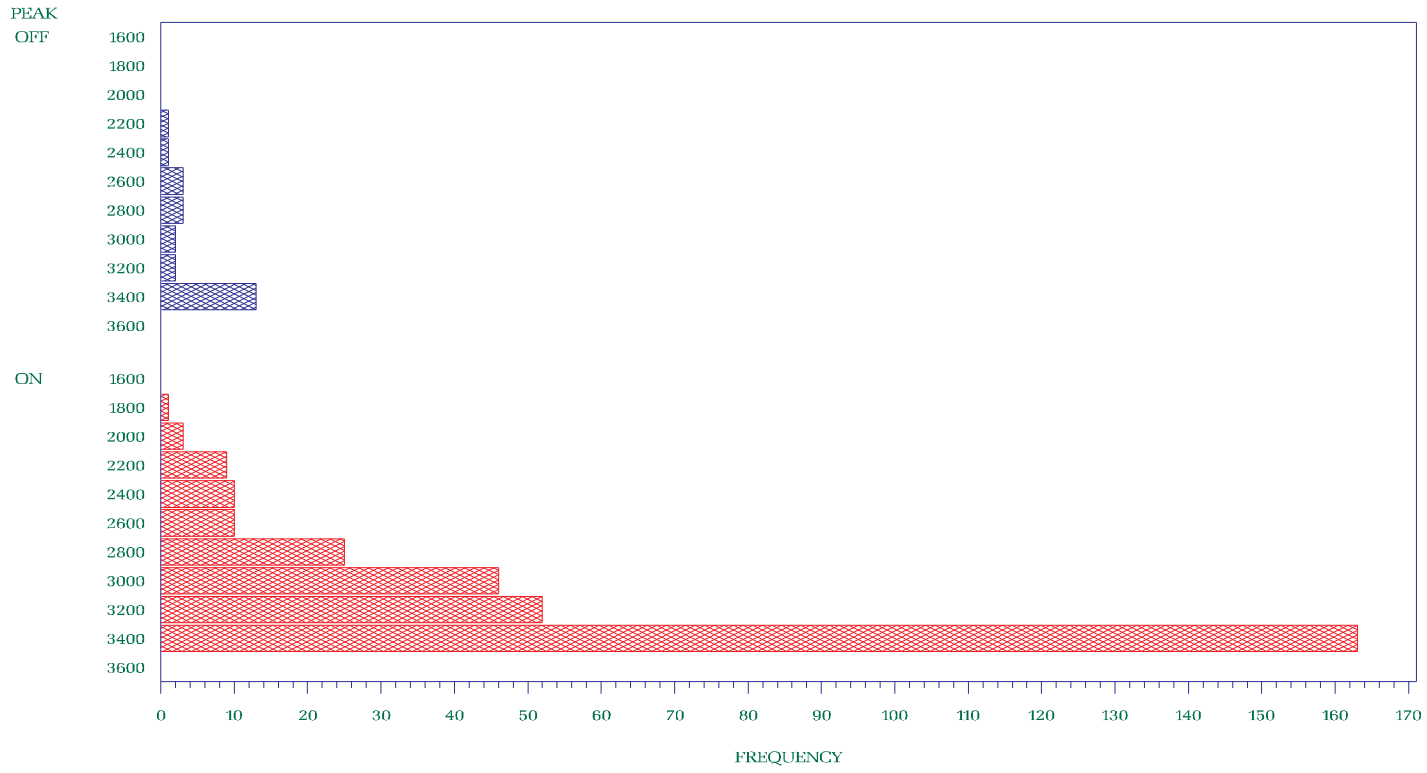
Margin to PJM – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

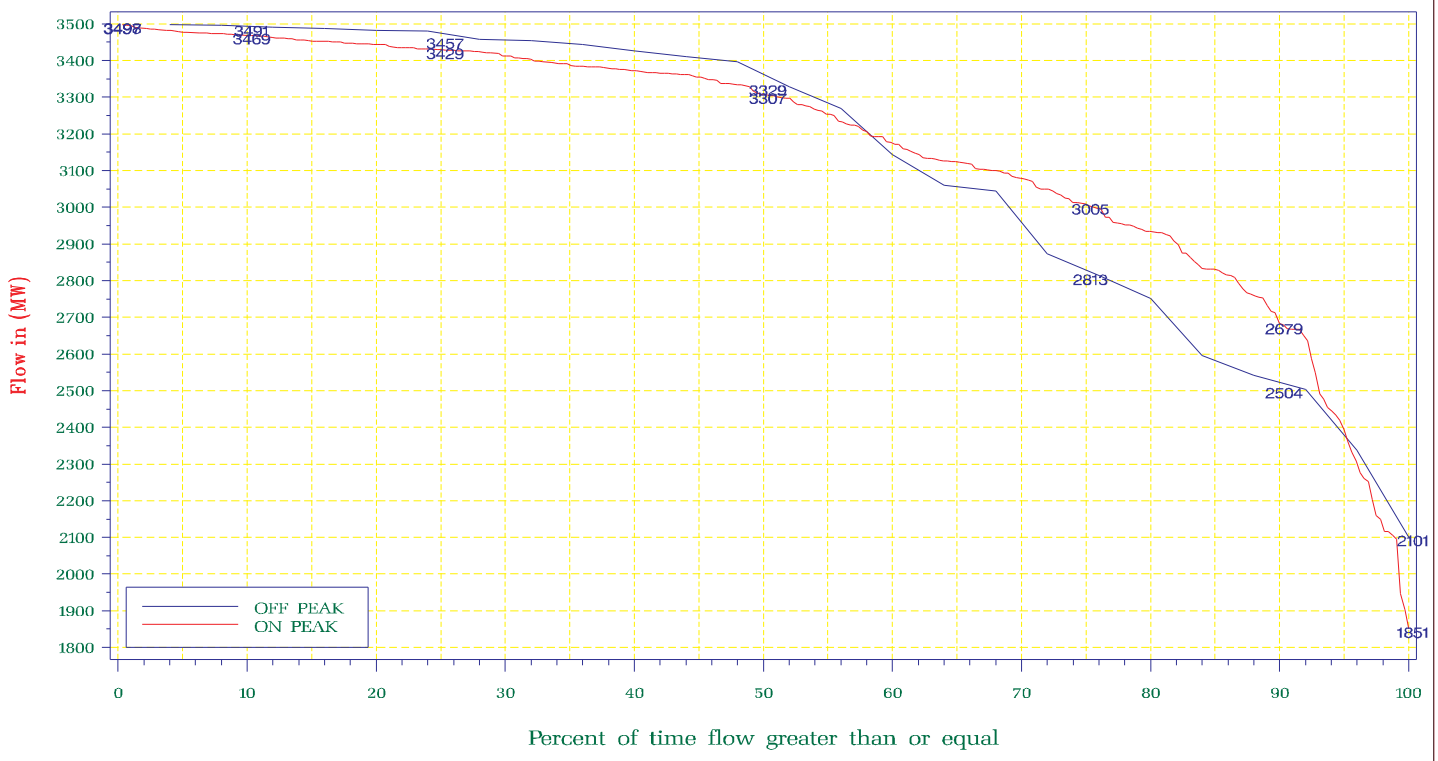
Margin to NY – PJM Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

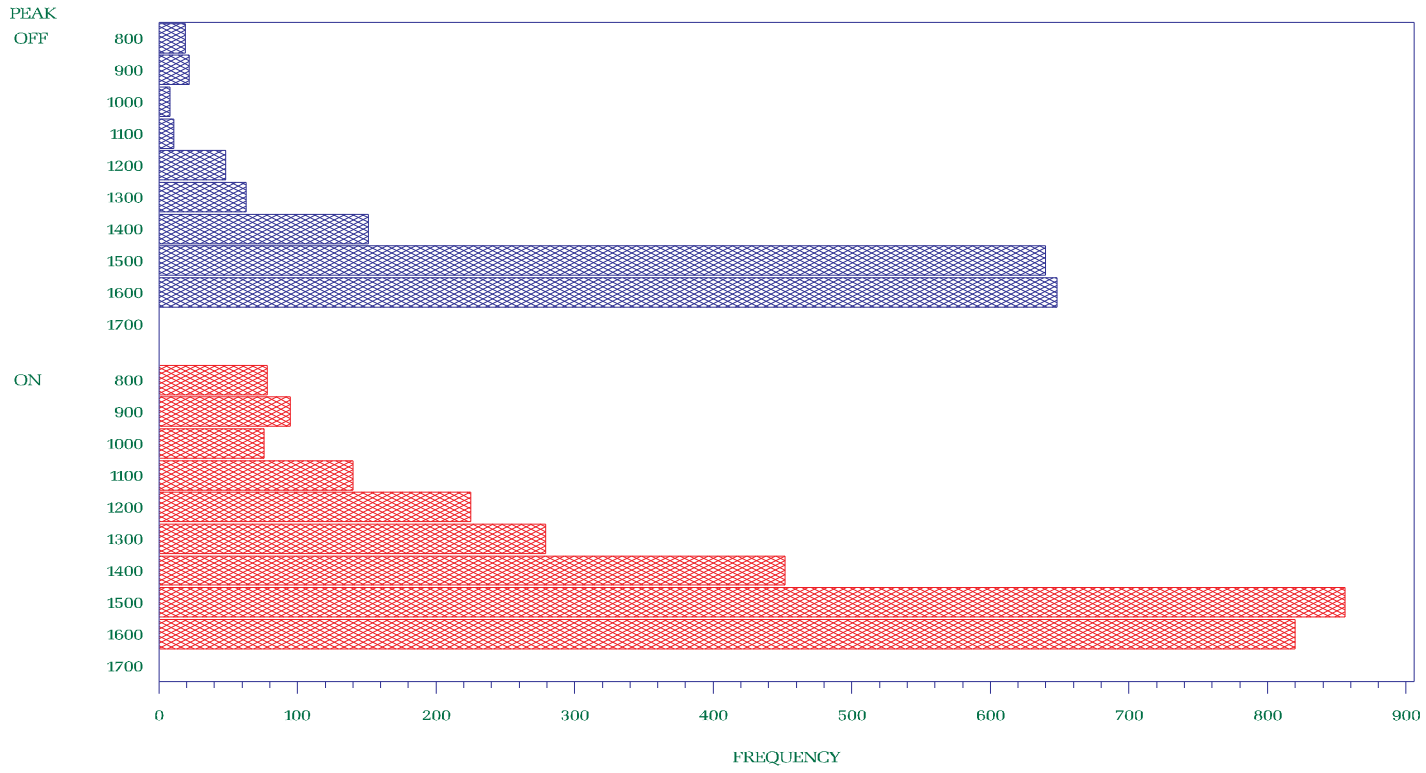
Margin to NY – PJM Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

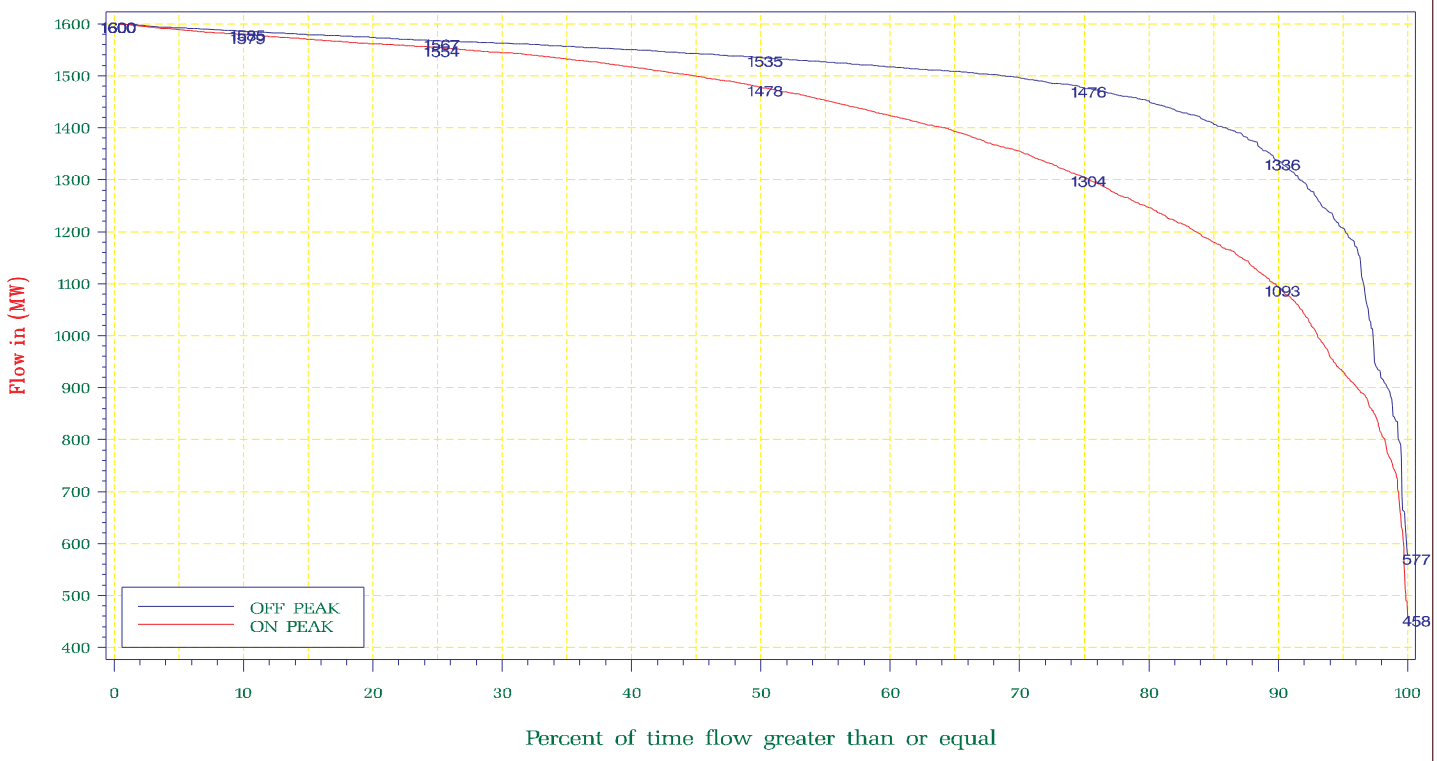
Margin to New England – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

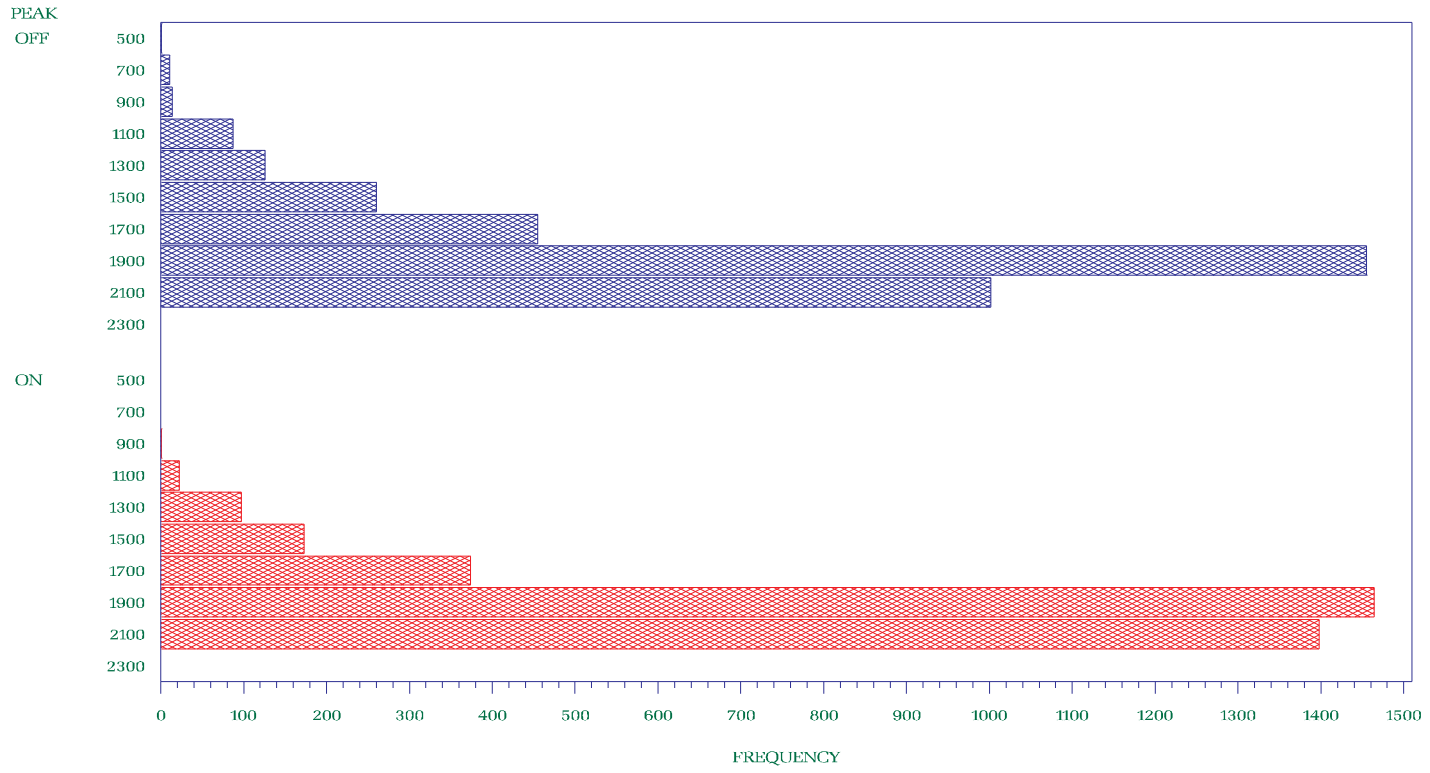
Margin to New England – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

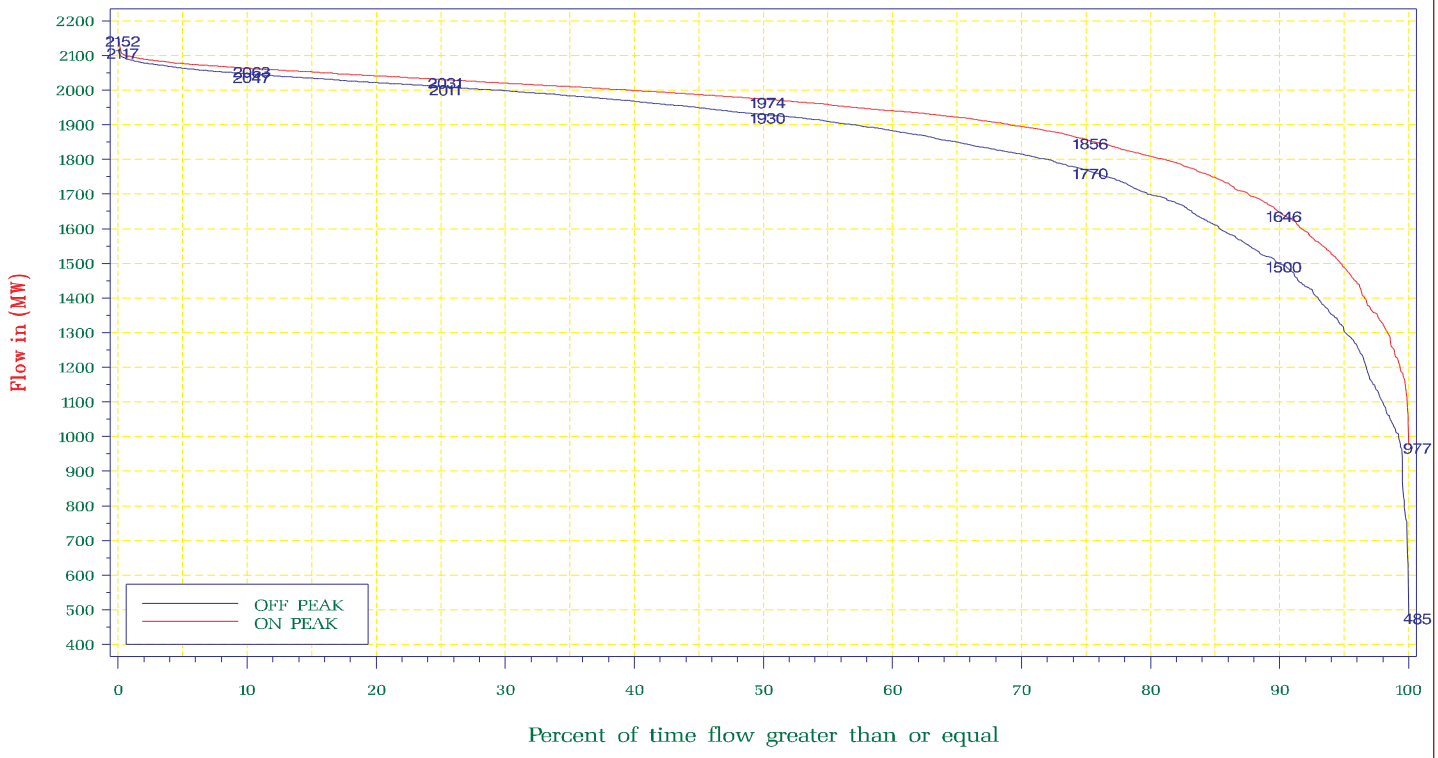
Margin to NY – New England Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

Margin to NY – New England Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

Appendix H – Interface Limits
On-peak vs. Off-Peak

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Prepared by: Tu Minh Thi Nguyen

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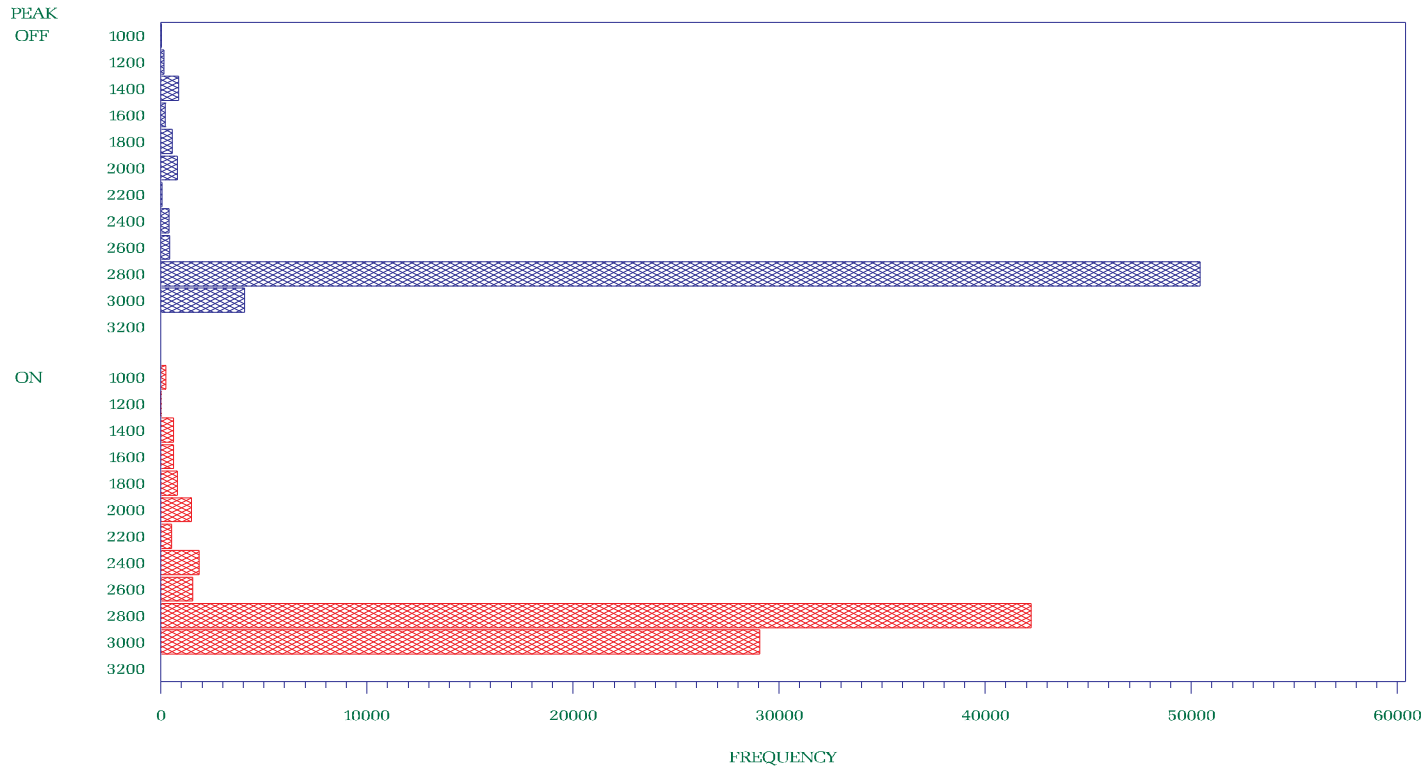
NYISO Frequency Interface Flow For January – December 2004

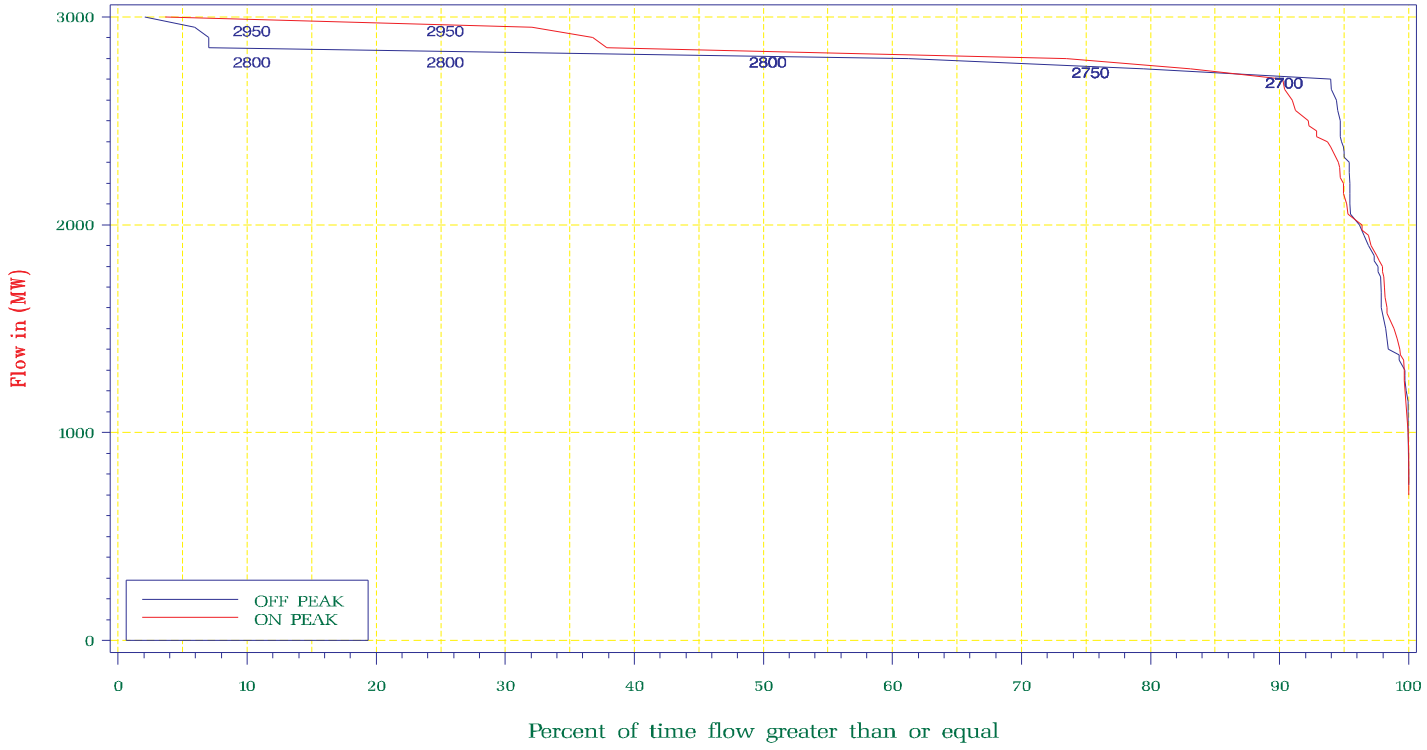
Central East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

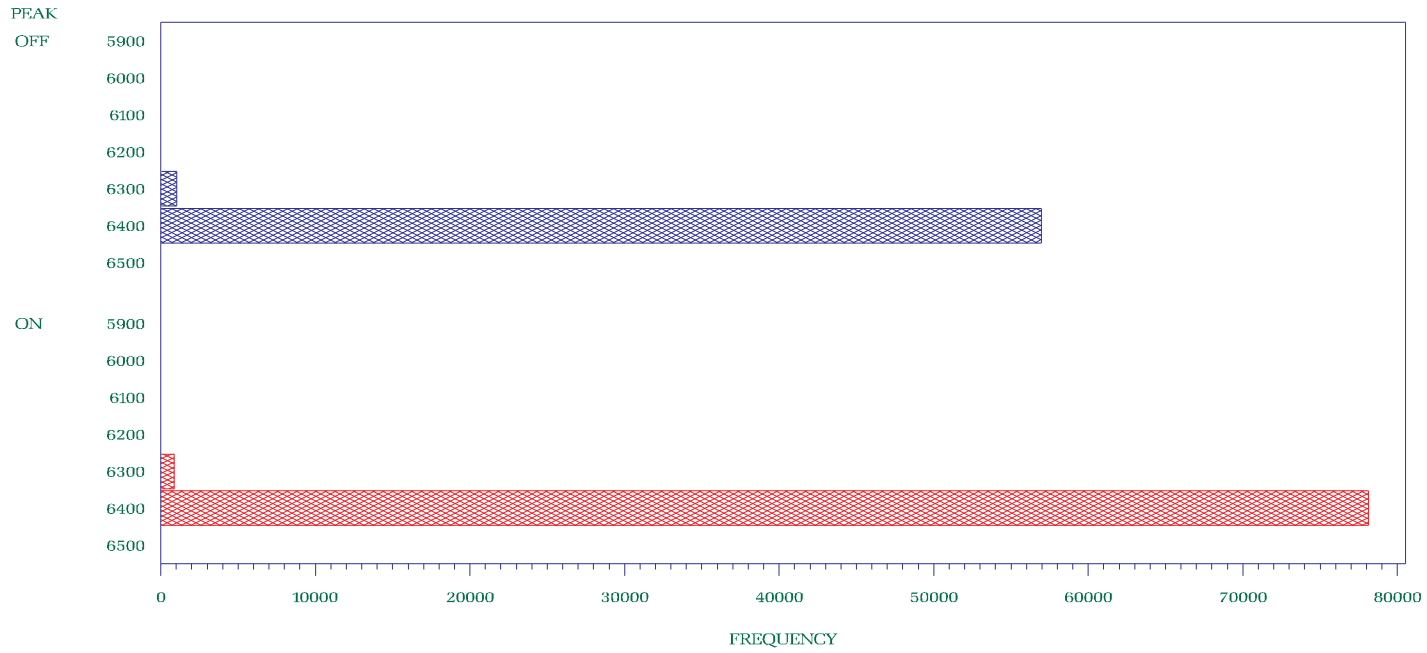
Central East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

Total East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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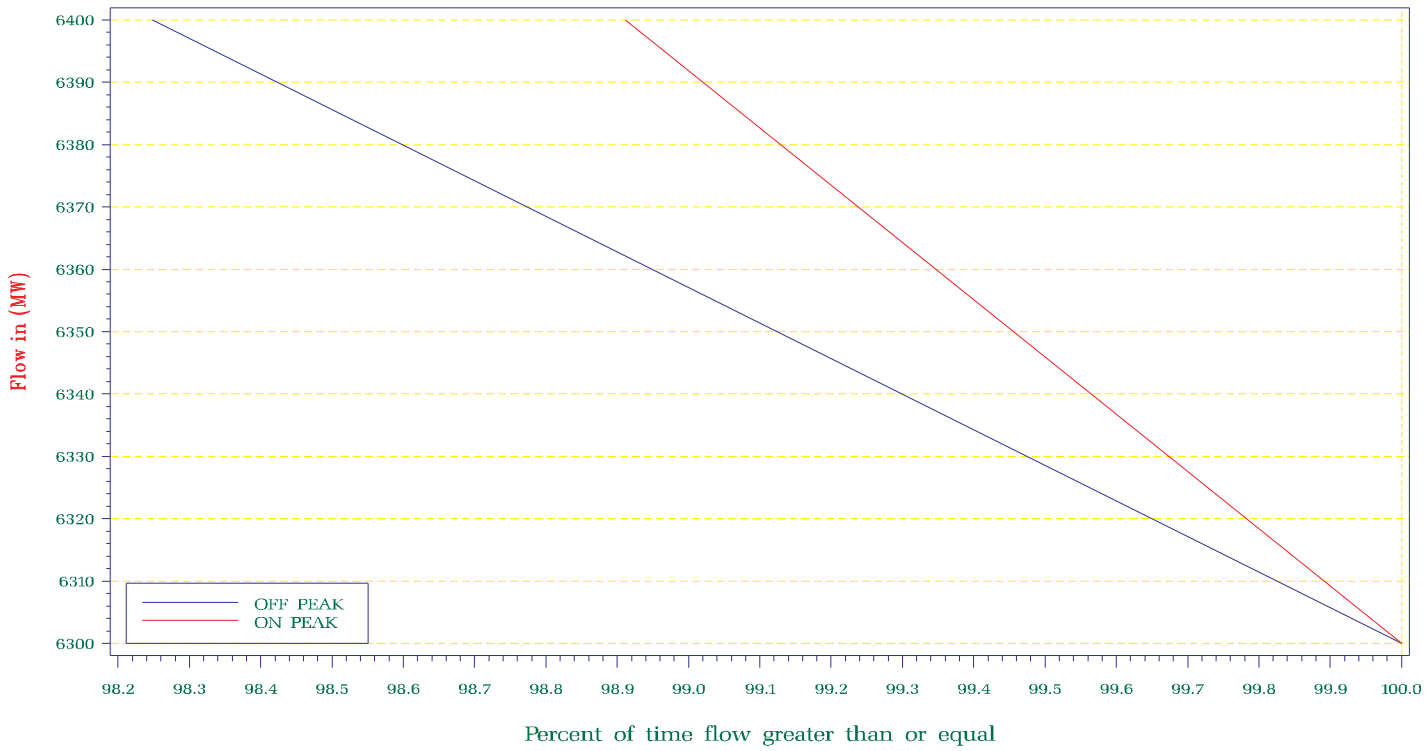
NYISO Percent of time Interface Flow For January – December 2004

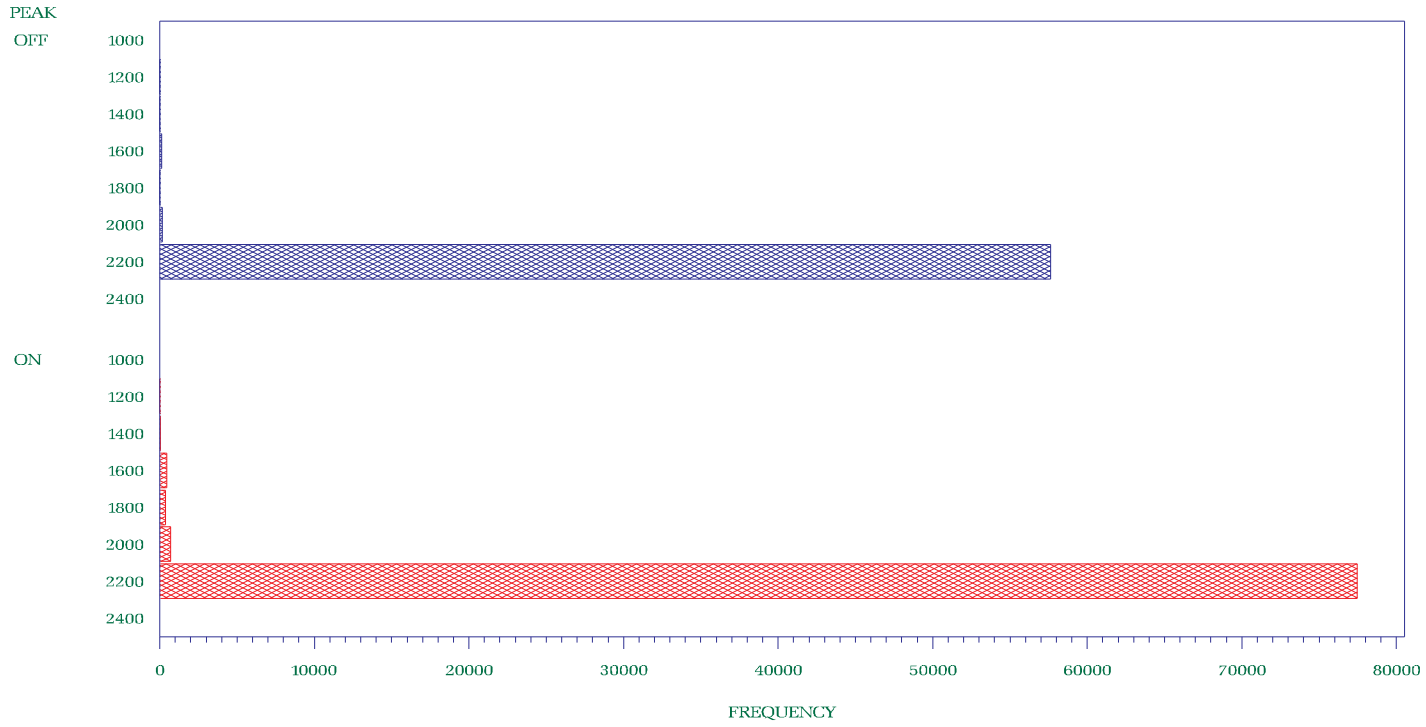
Total East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

West Central Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

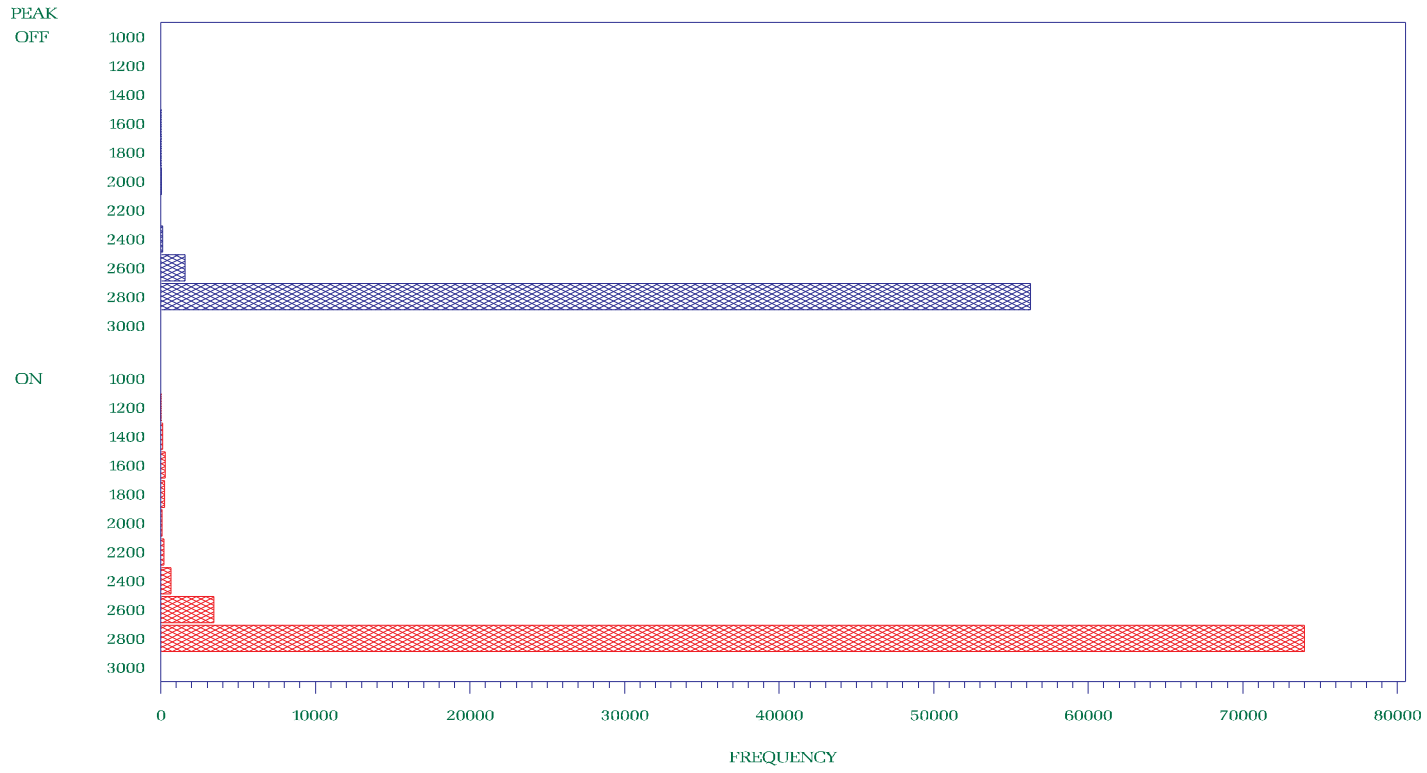
NYISO Percent of time Interface Flow For January – December 2004

West Central Limit

OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

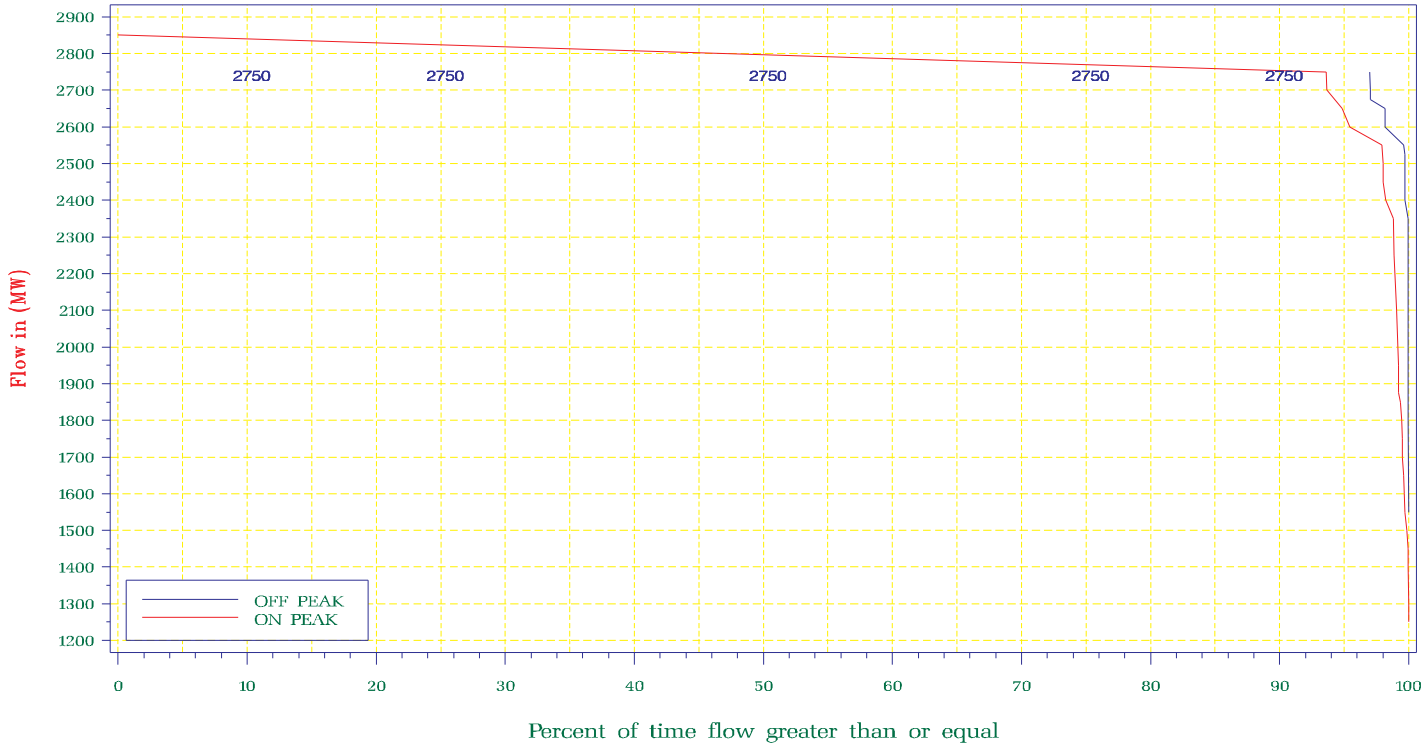
Dysinger East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

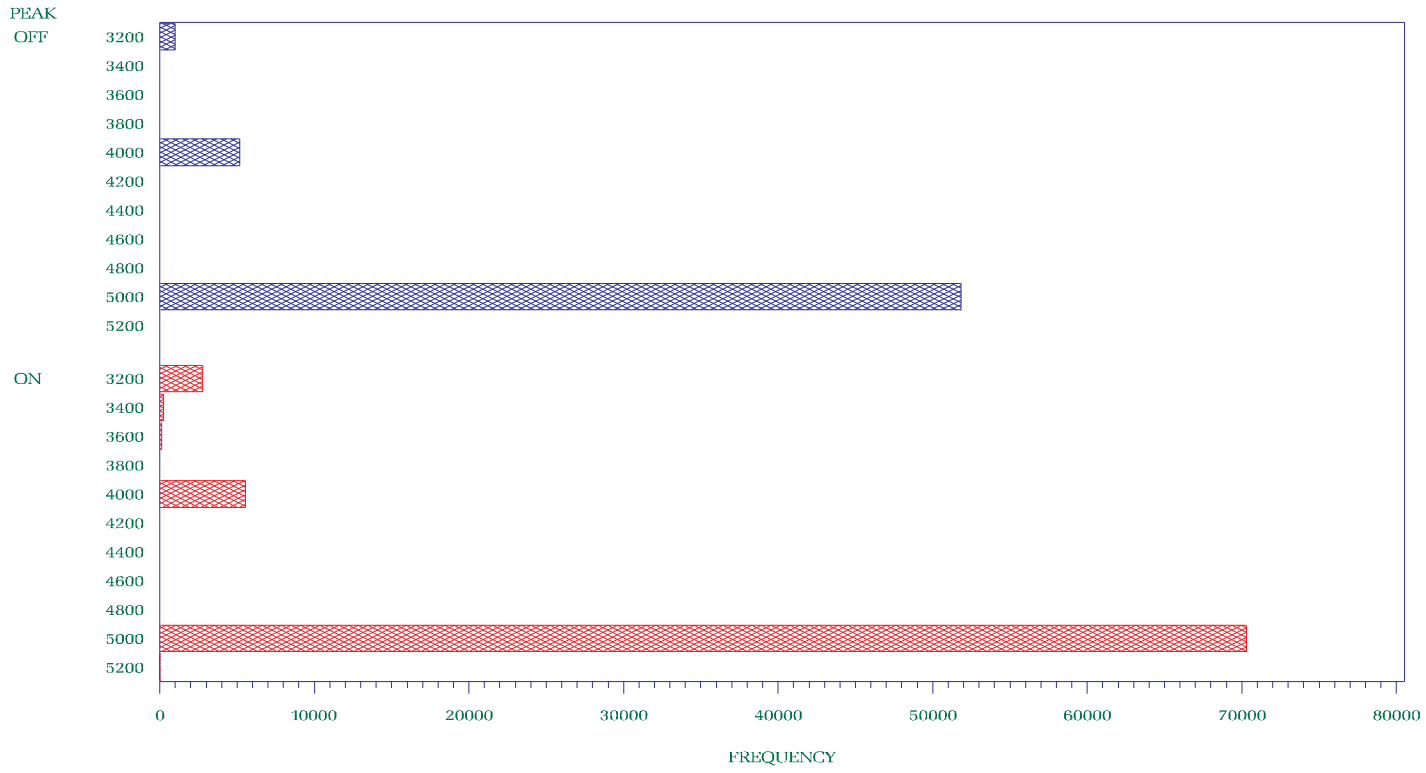
Dysinger East Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

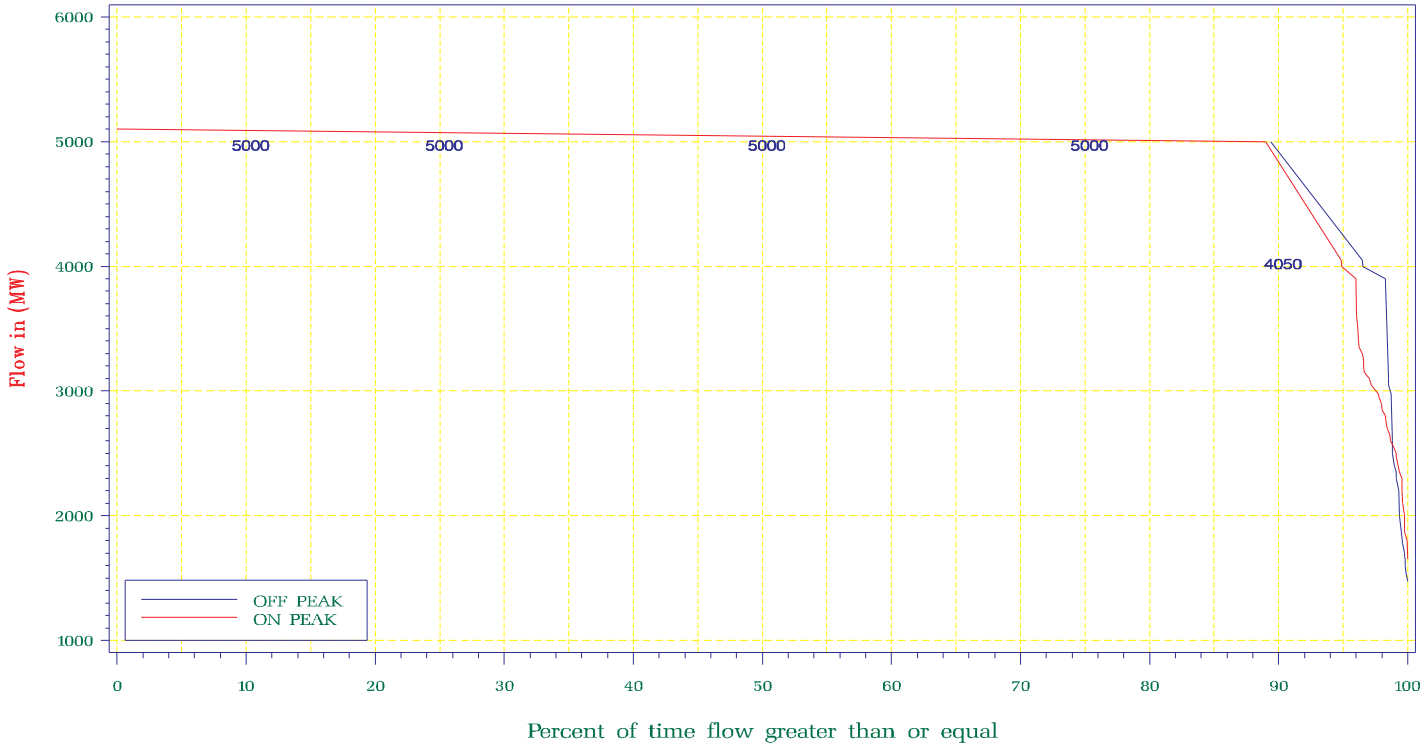
UPNY Con Ed Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

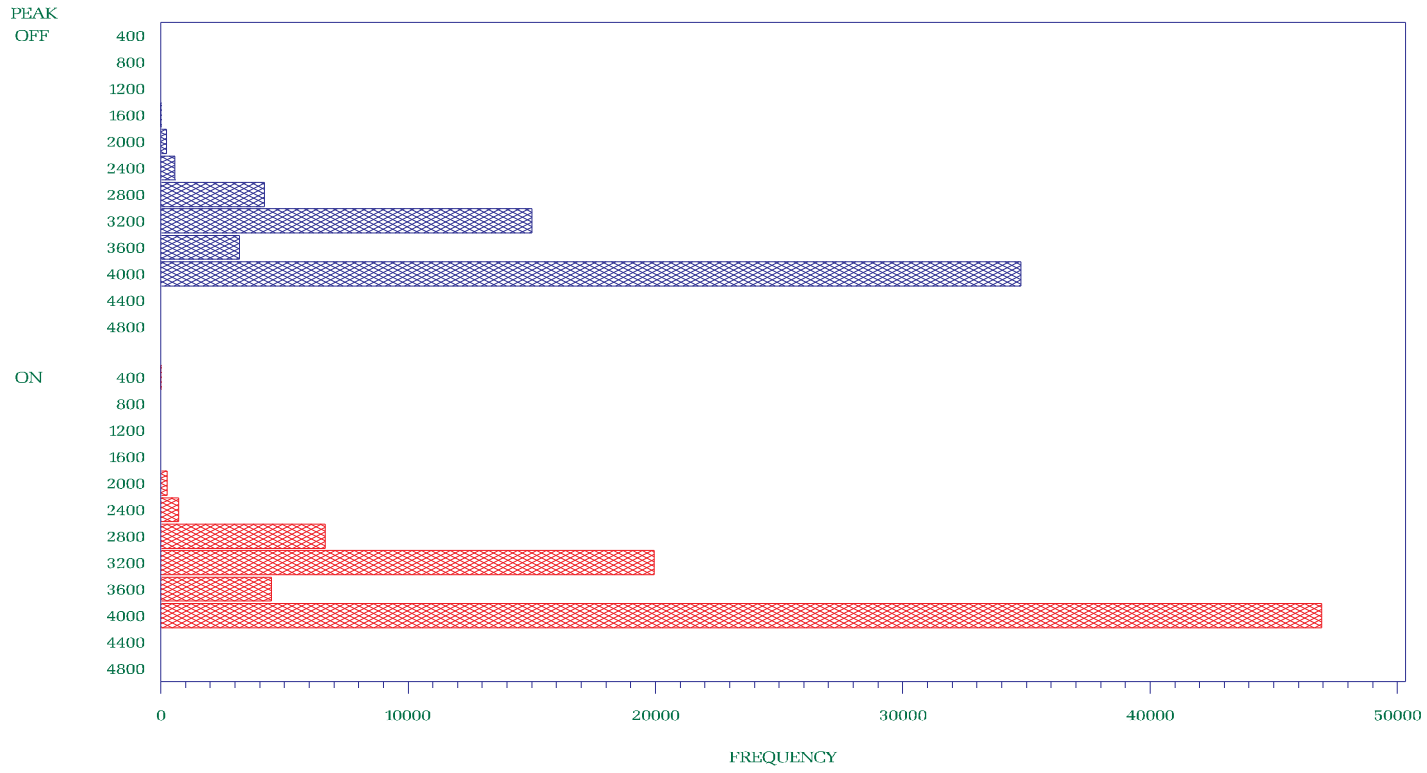
UPNY Con Ed Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

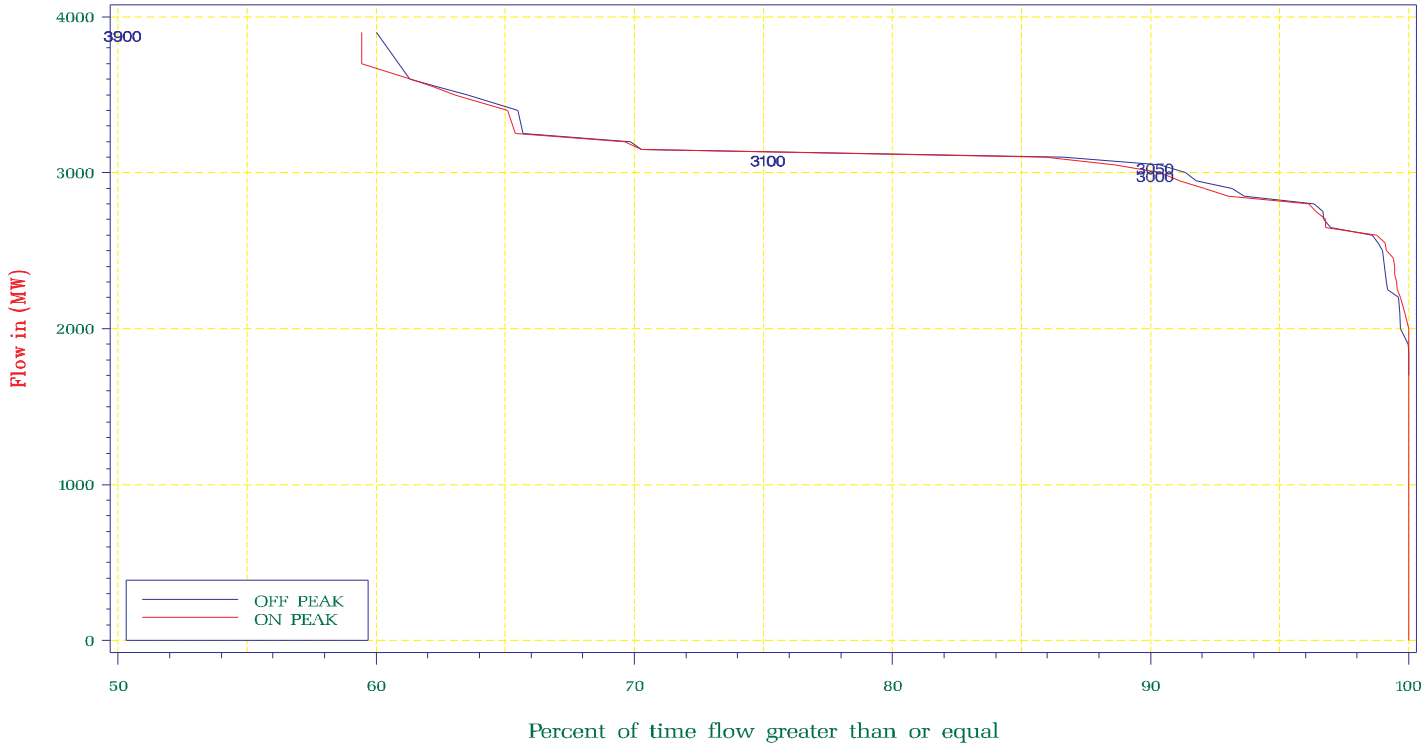
Dunwoodie South Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

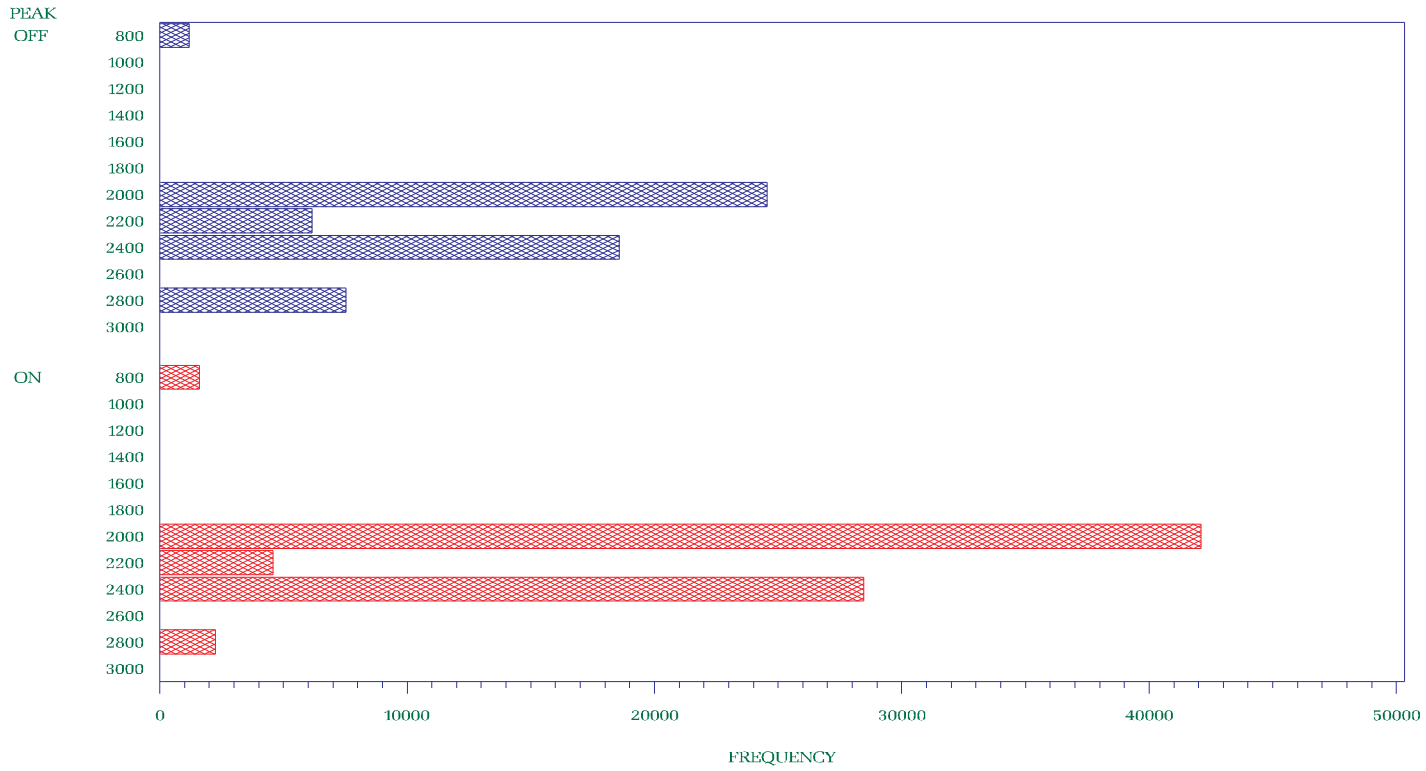
Dunwoodie South Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

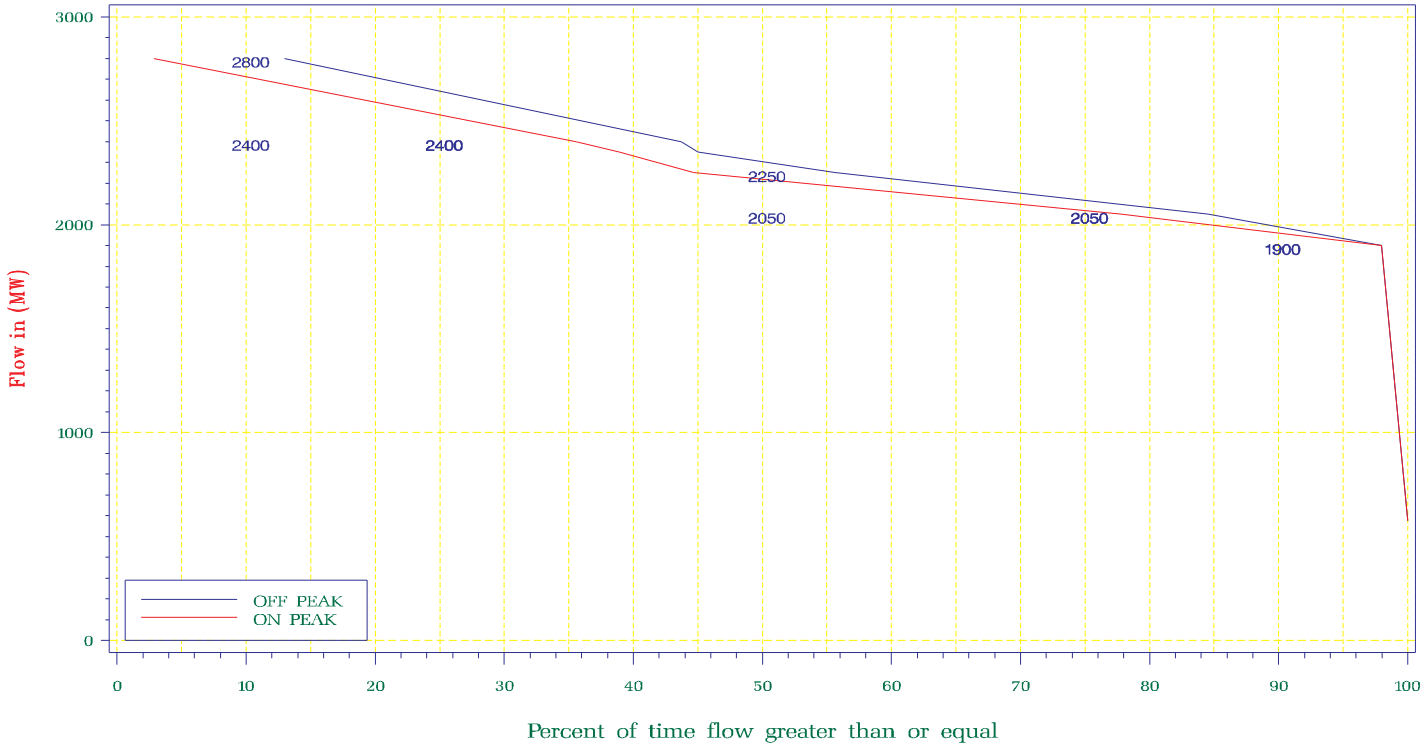
Moses South Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

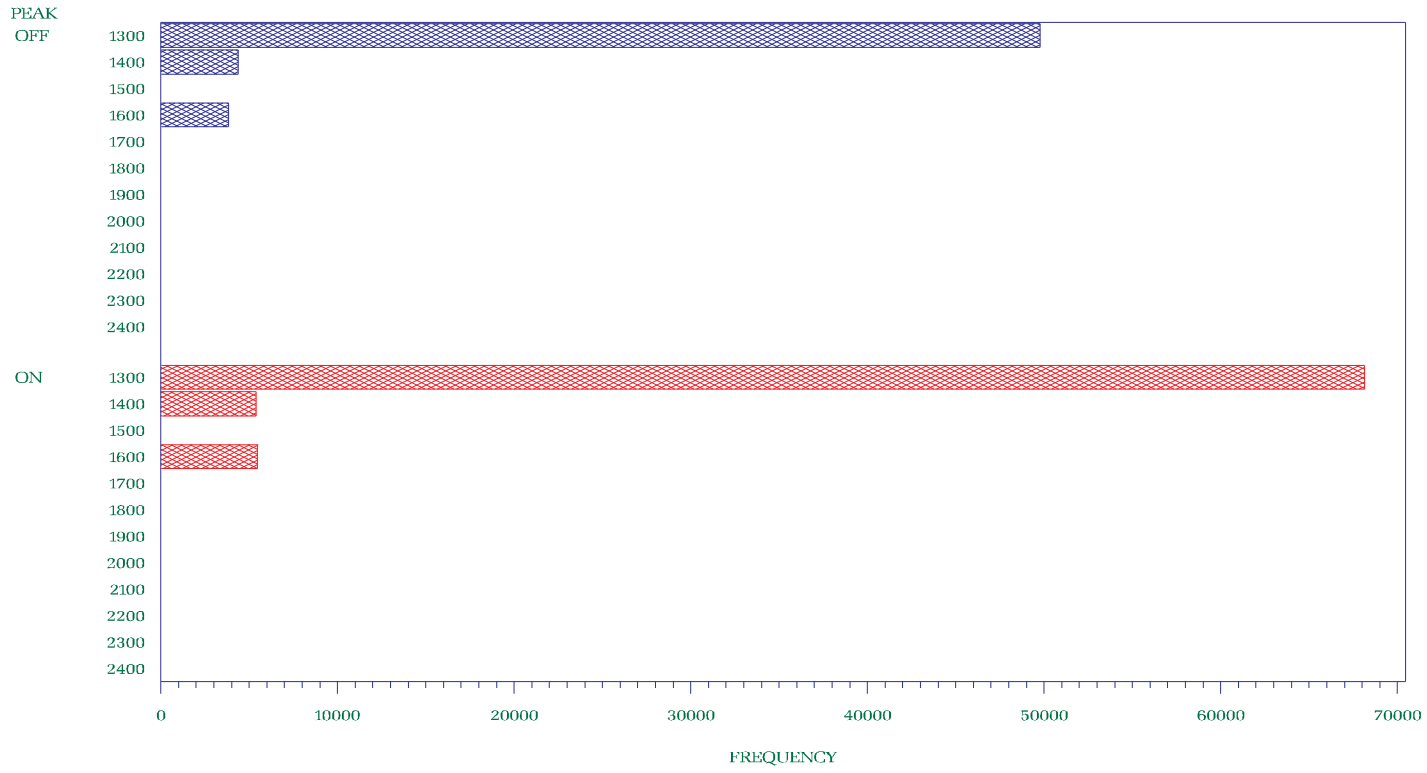
Moses South Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

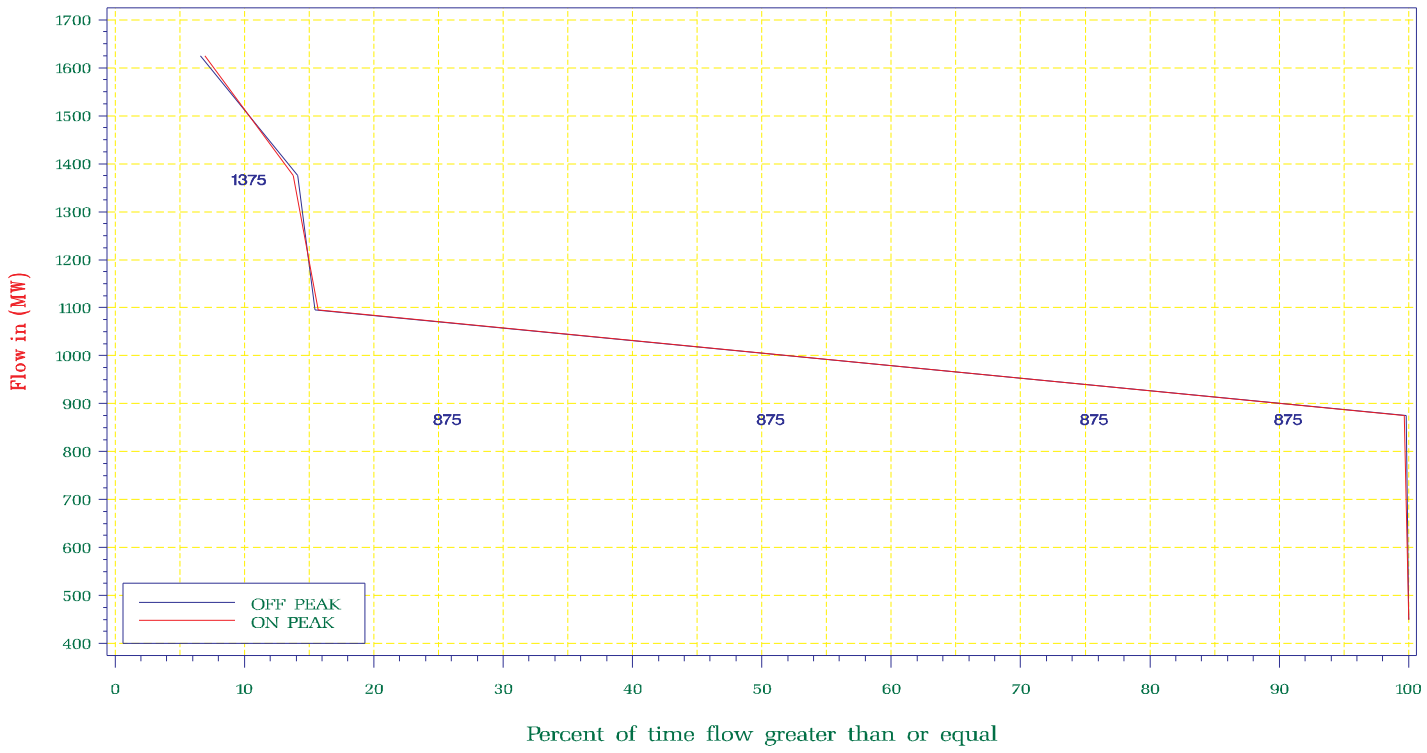
TE – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

TE – NY Limit

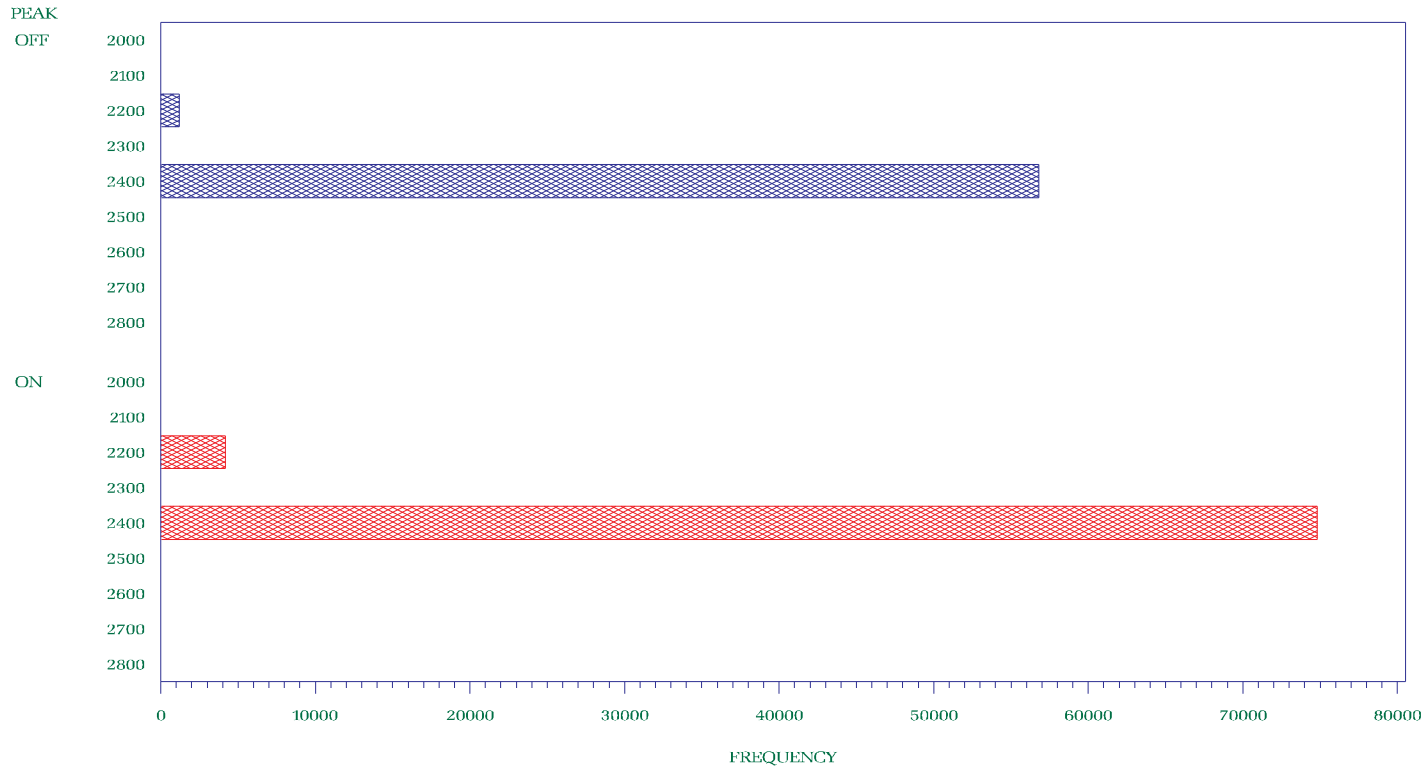


OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

– H10 –

NYISO Frequency Interface Flow For January – December 2004

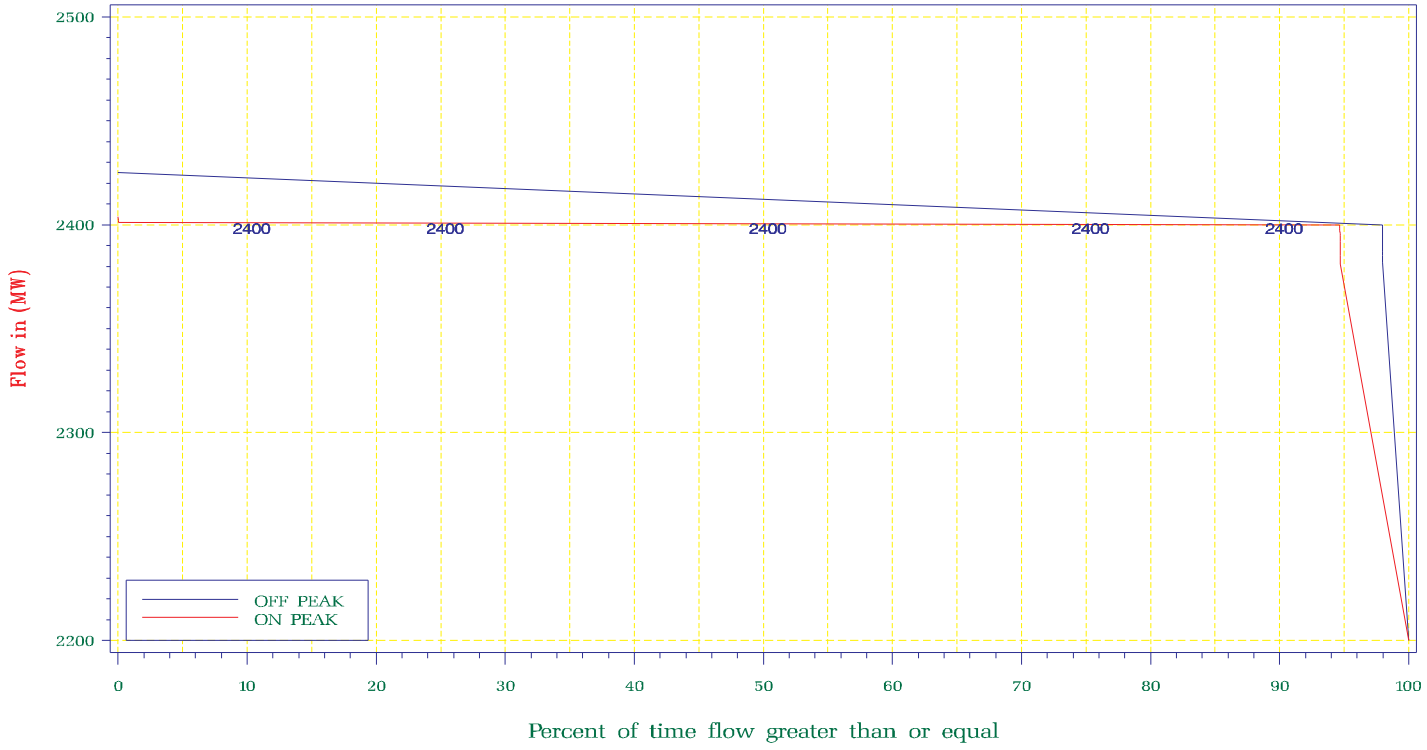
Ontario – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

Ontario – NY Limit

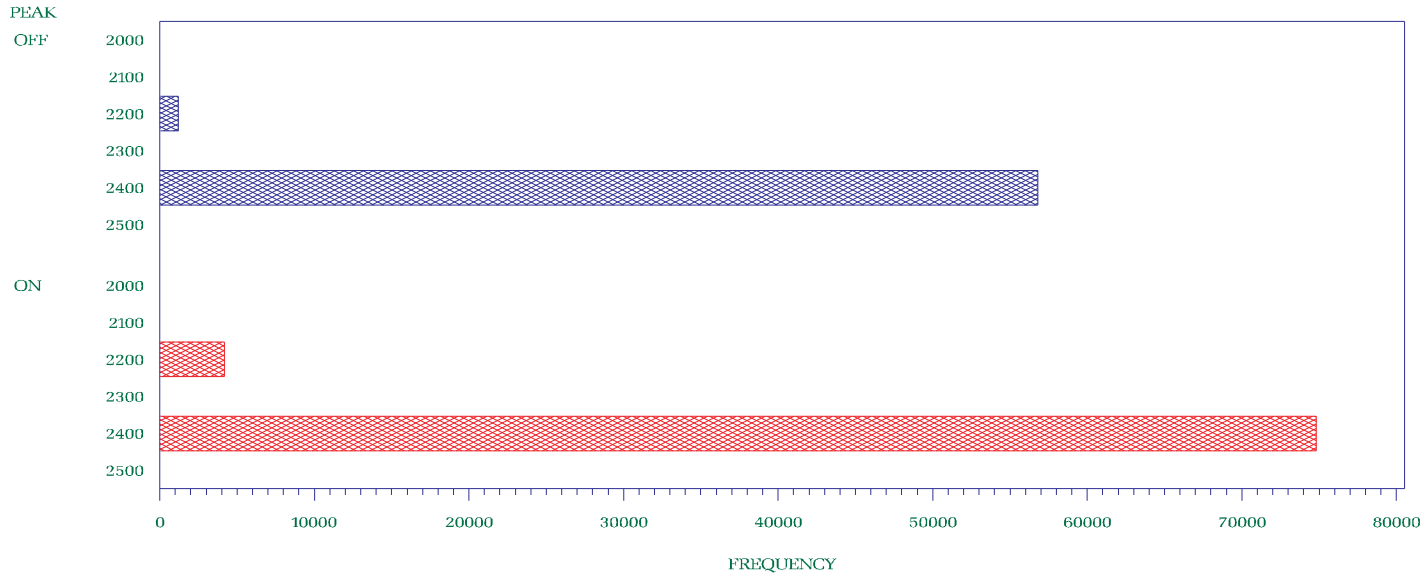


OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

– H11 –

NYISO Frequency Interface Flow For January – December 2004

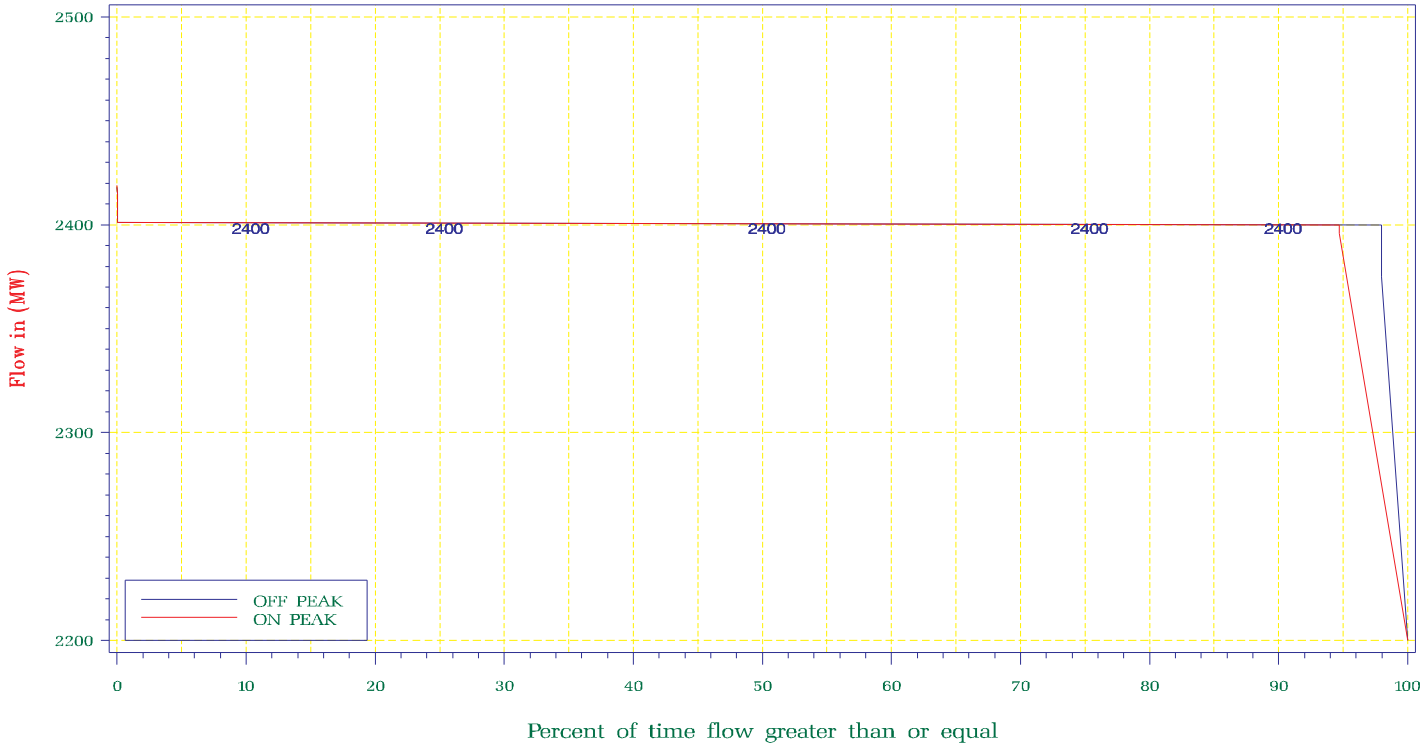
NY – Ontario Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

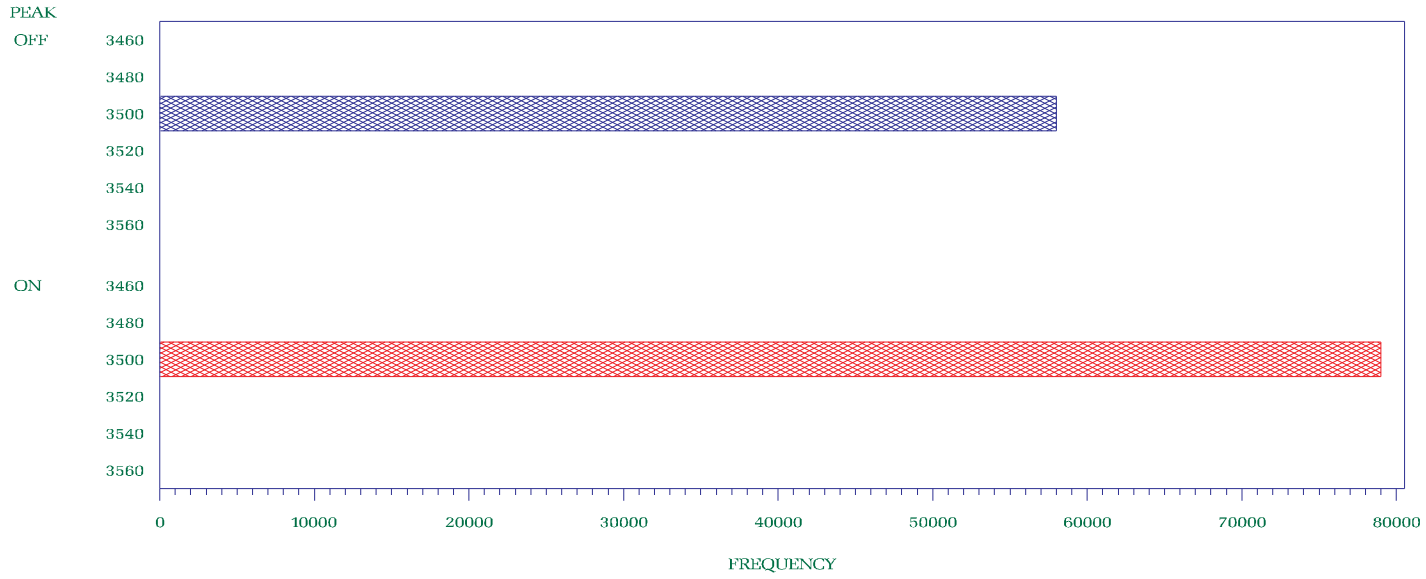
NY – Ontario Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

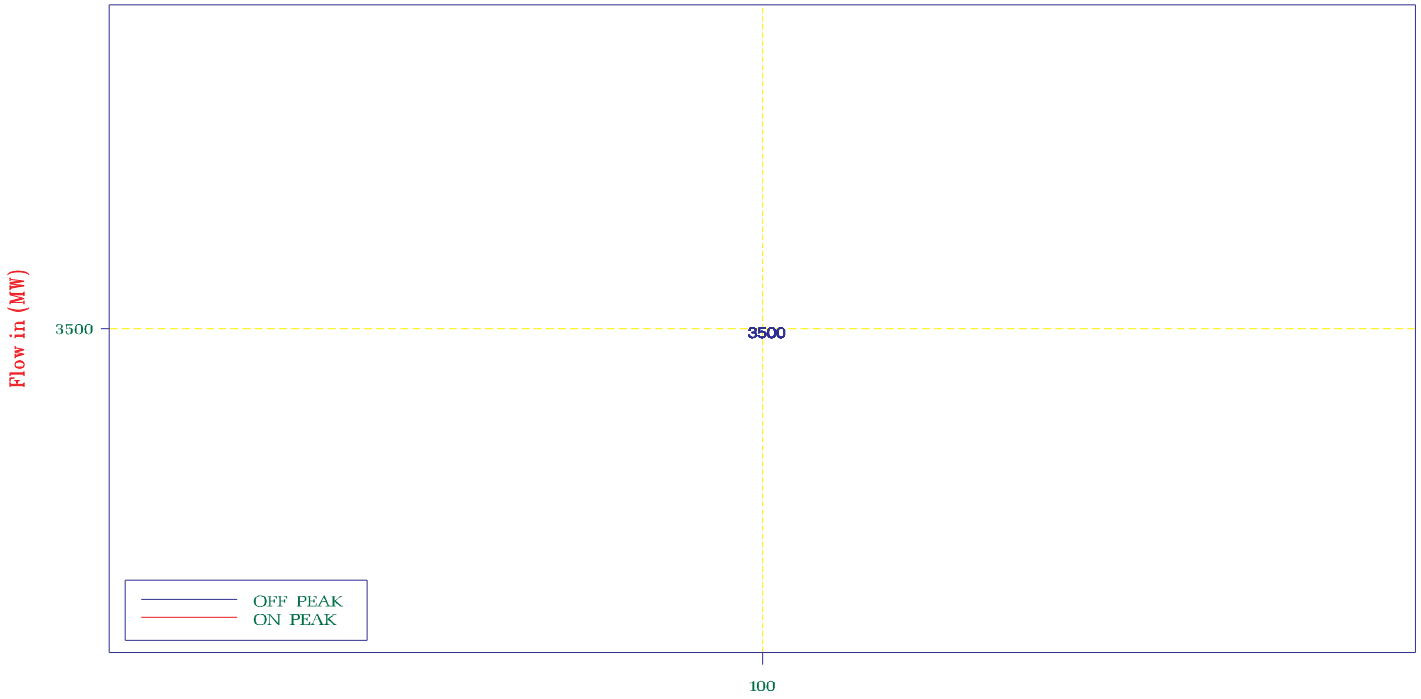
PJM – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

PJM – NY Limit

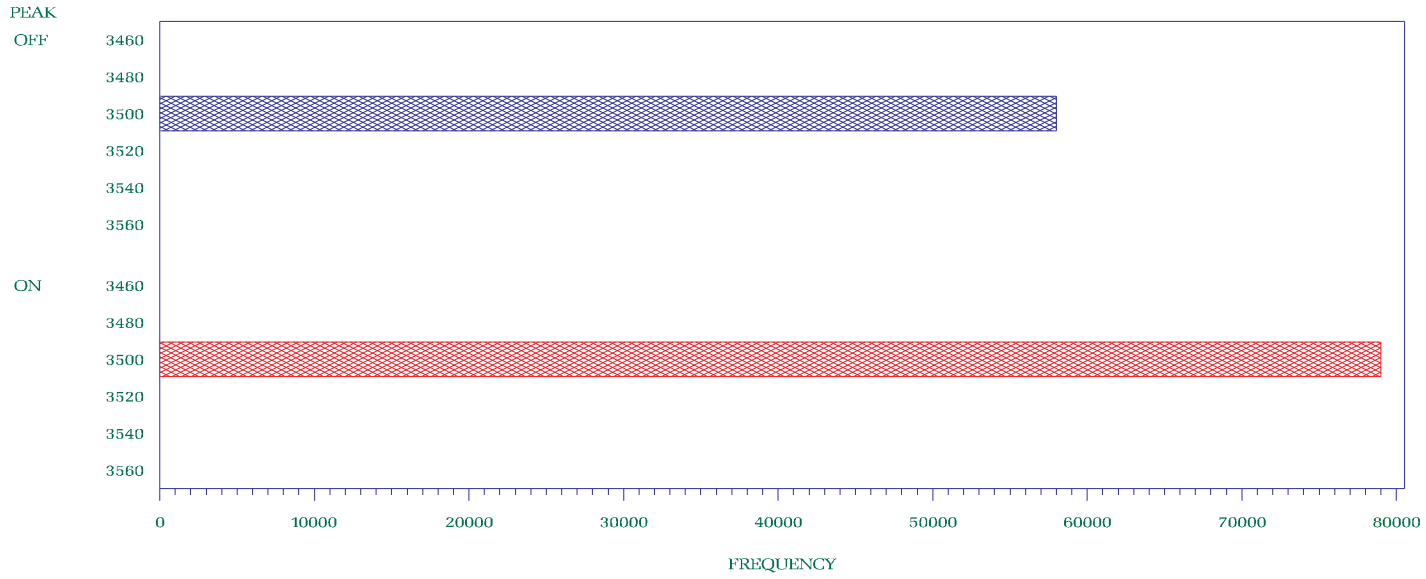


OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

– H13 –

NYISO Frequency Interface Flow For January – December 2004

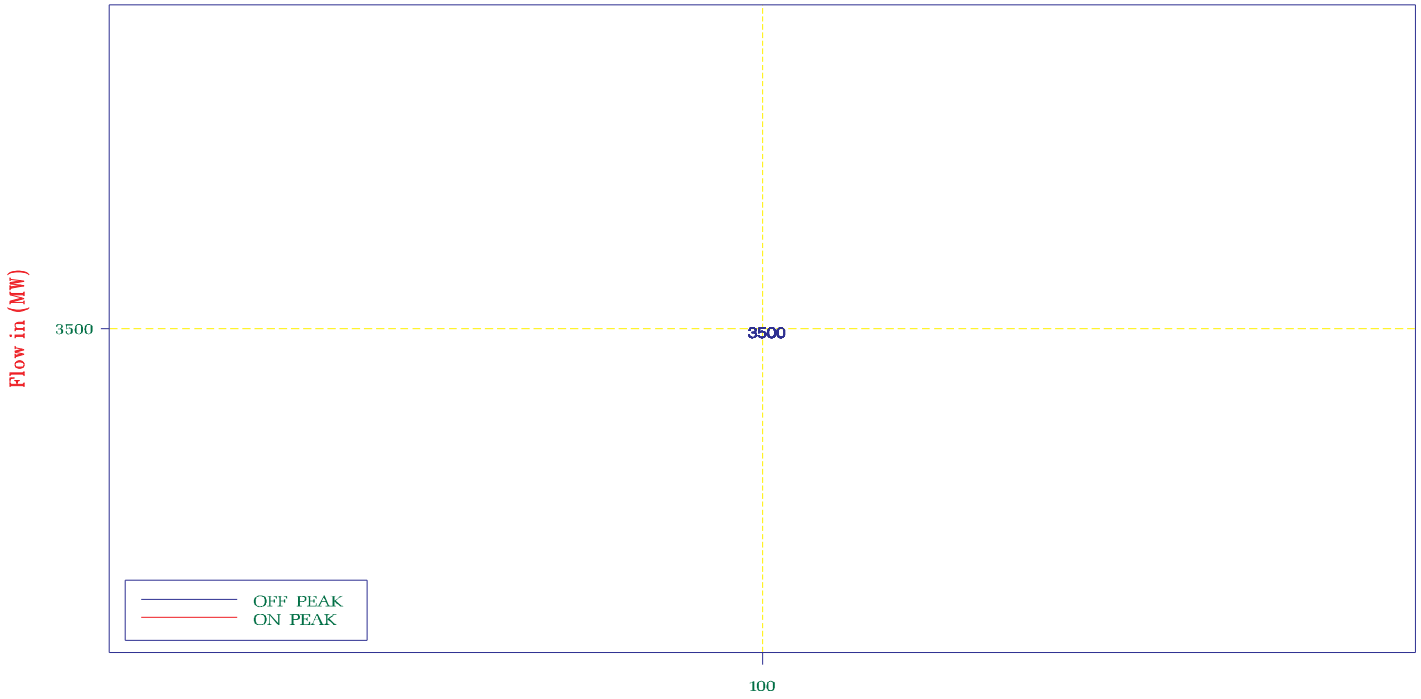
NY – PJM Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

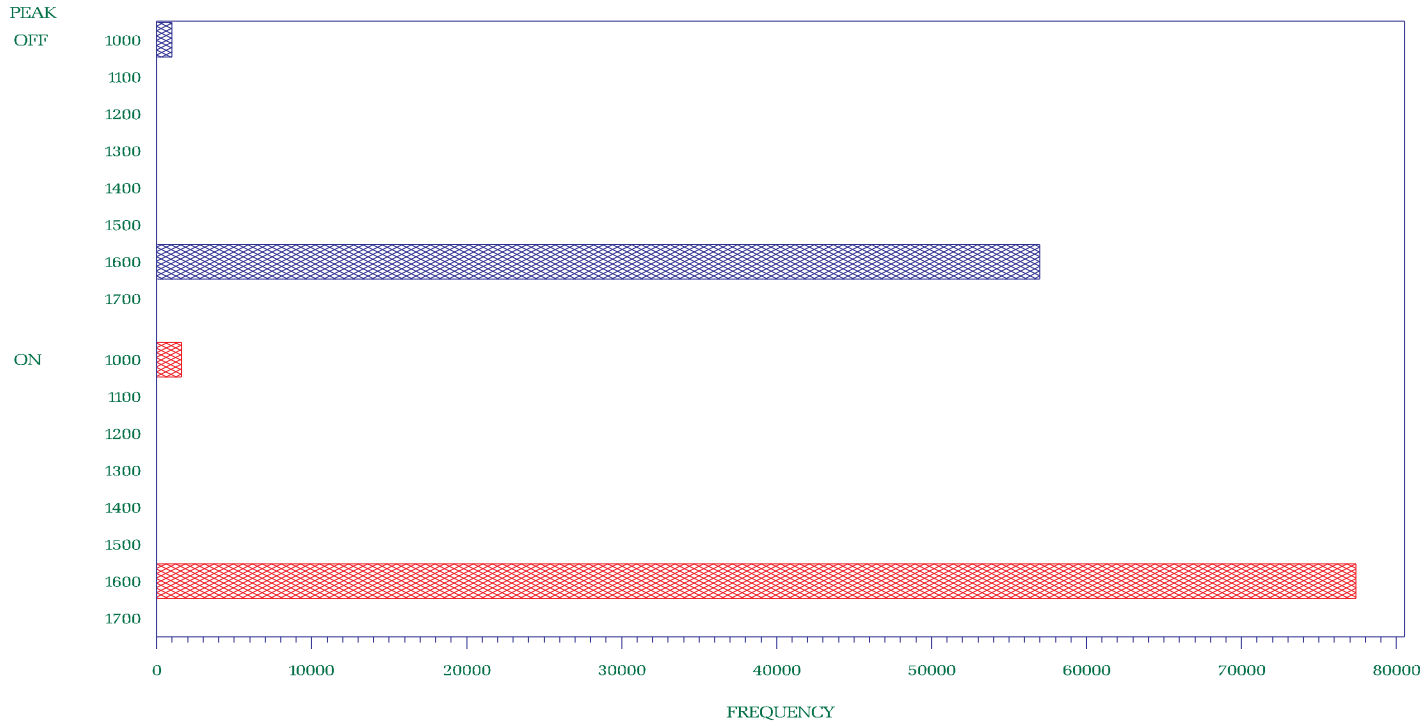
NY – PJM Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

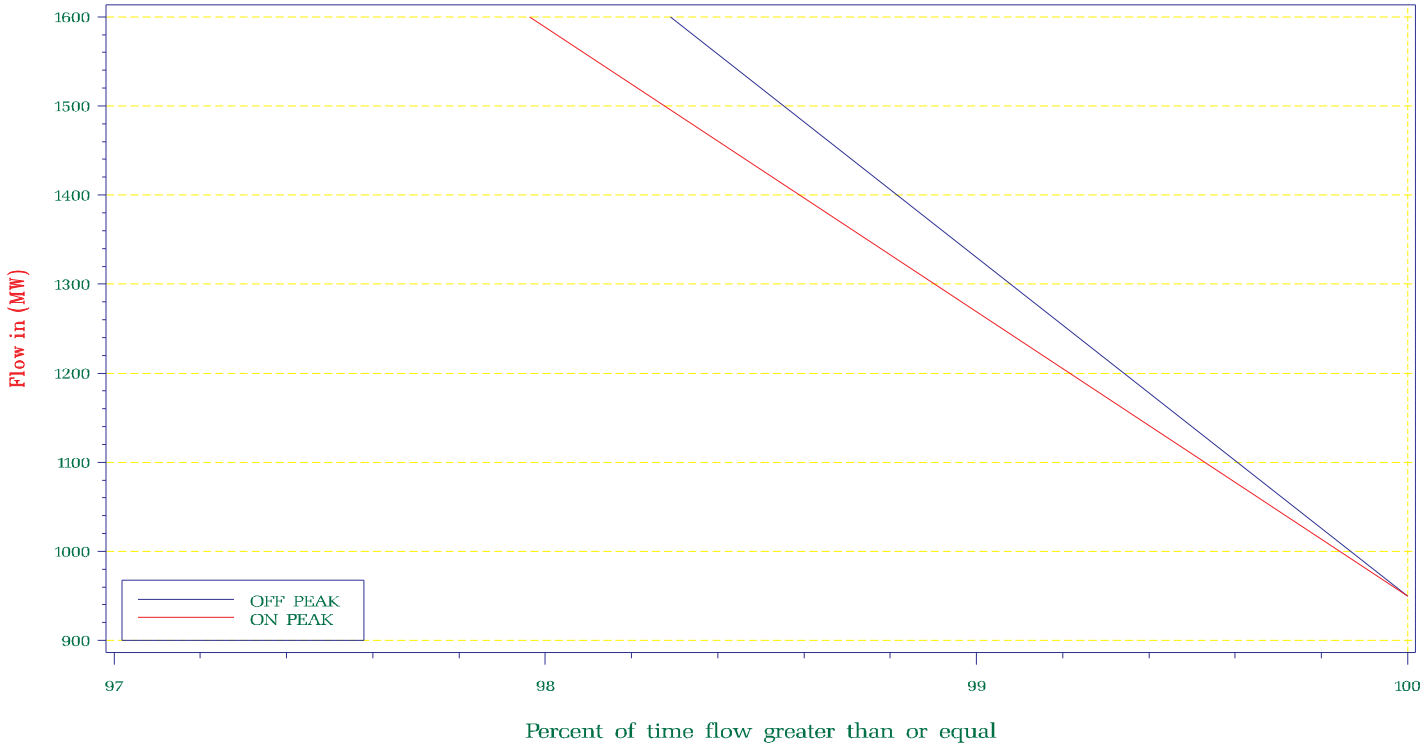
NE – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Percent of time Interface Flow For January – December 2004

NE – NY Limit



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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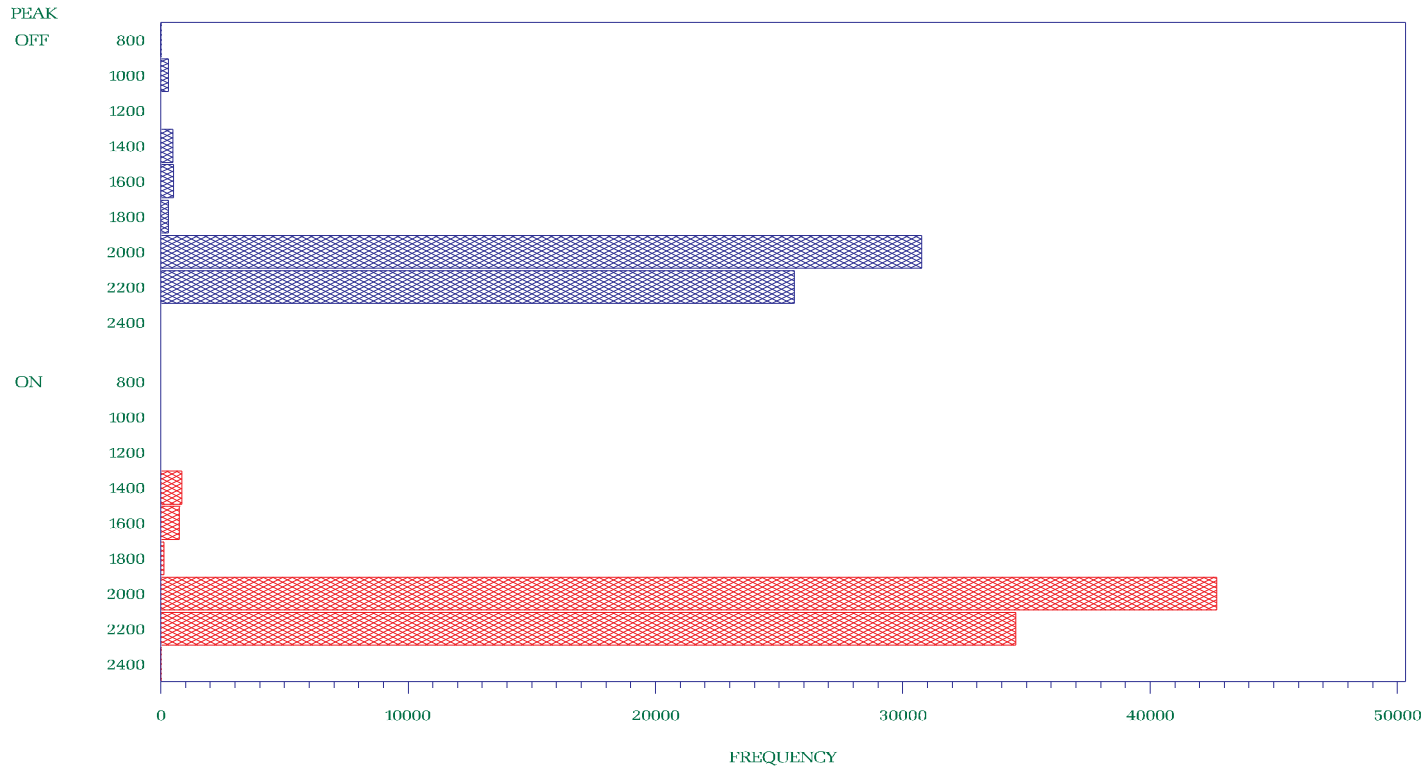
NYISO Frequency Interface Flow For January – December 2004

NY – NE Limit



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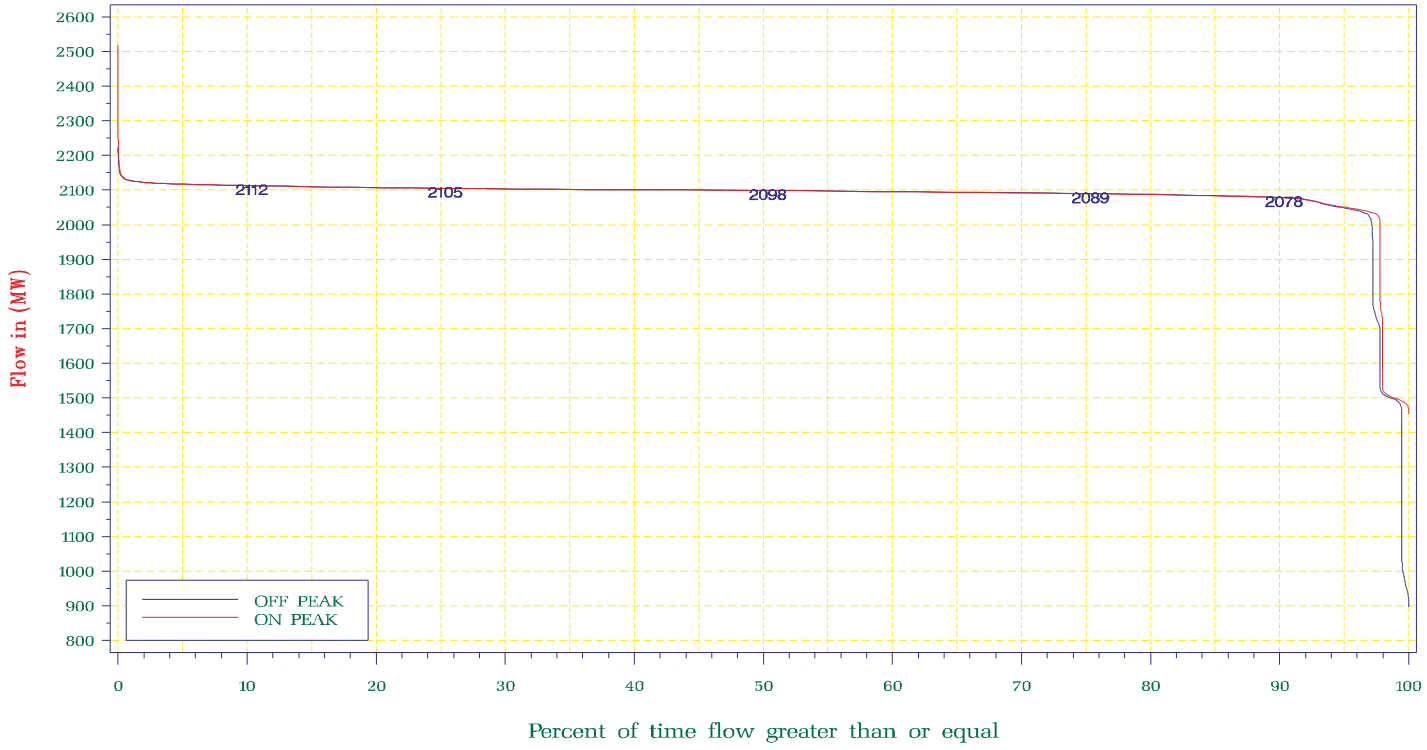
NYISO Percent of time Interface Flow For January – December 2004

NY – NE Limit



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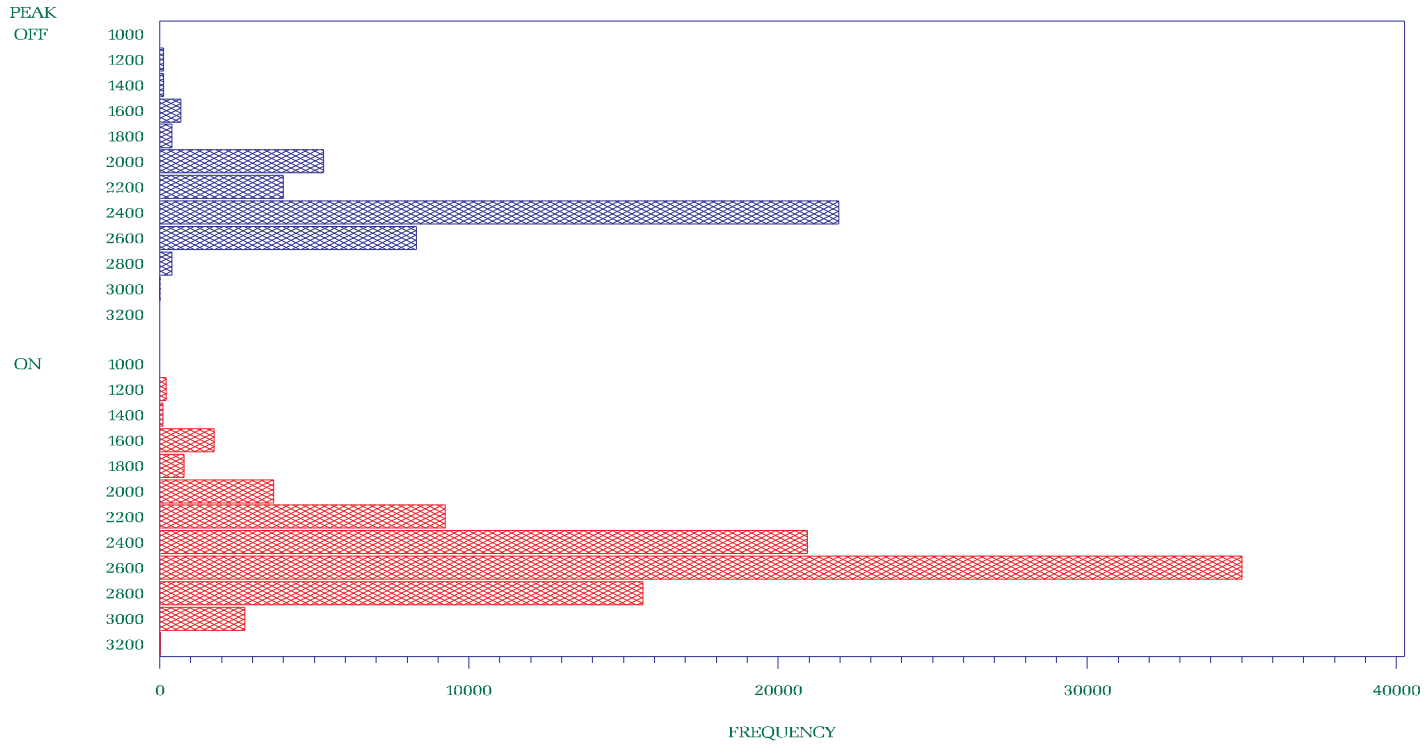
ONPEAK : Monday – Saturday : From 07:00am – 11:00pm

NYISO Frequency Interface Flow For January – December 2004

Central East Pre – Contingency Voltage Collapse Limit
l/o New England Generation



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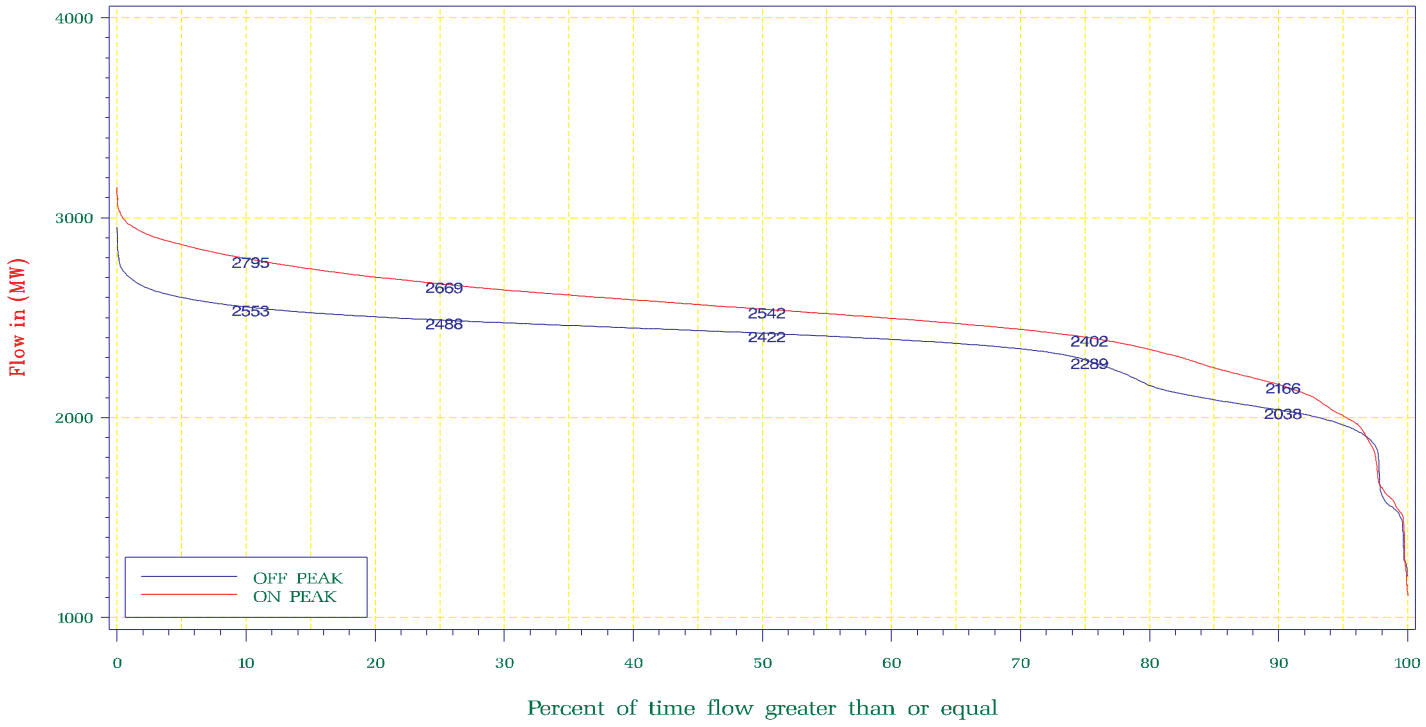
NYISO Percent of time Interface Flow For January – December 2004

Central East Pre – Contingency Voltage Collapse Limit
l/o New England Generation



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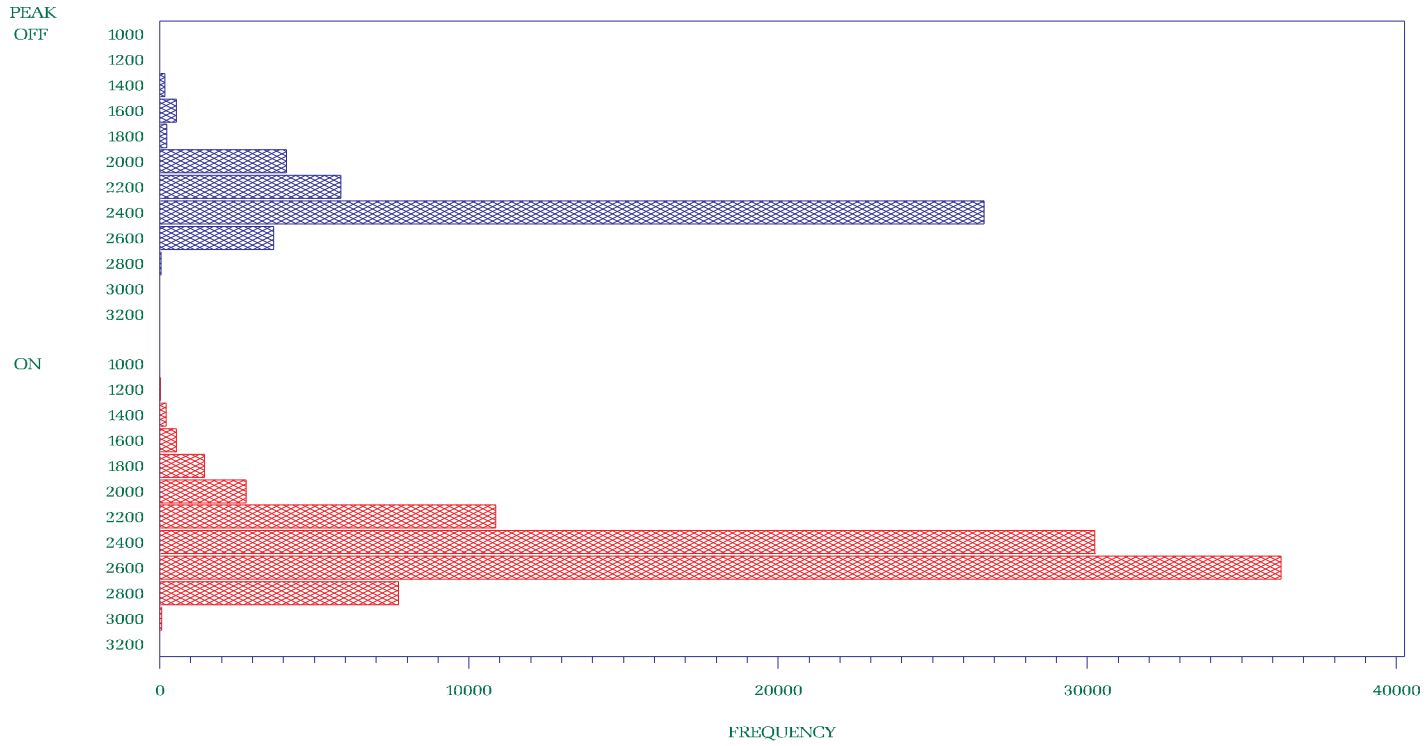
NYISO Frequency Interface Flow For January – December 2004

Central East Pre–Contingency Voltage Collapse Limit
l/o Marcy South Tower



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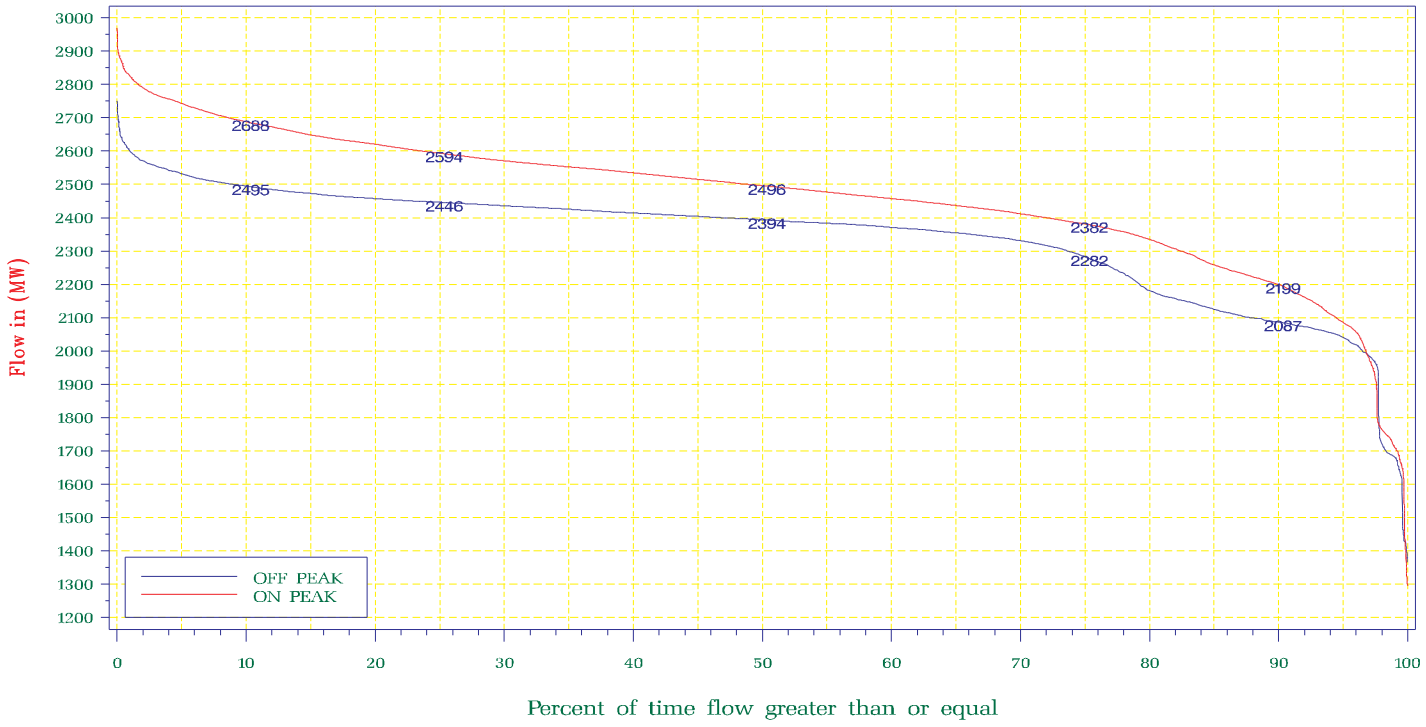
NYISO Percent of time Interface Flow For January – December 2004

Central East Pre–Contingency Voltage Collapse Limit
l/o Marcy South Tower



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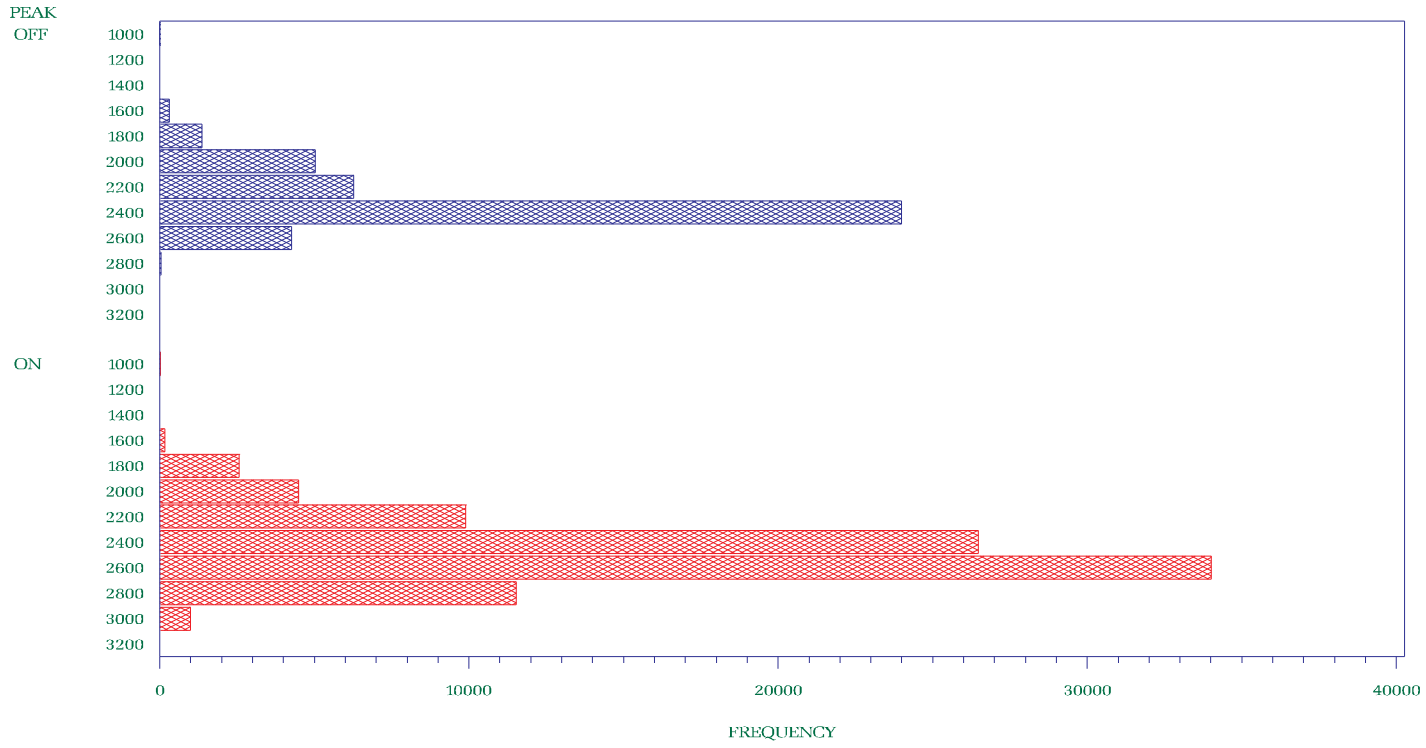
NYISO Frequency Interface Flow For January – December 2004

Central East Pre – Contingency Voltage Collapse Limit
l/o New Scotland 99 Bus



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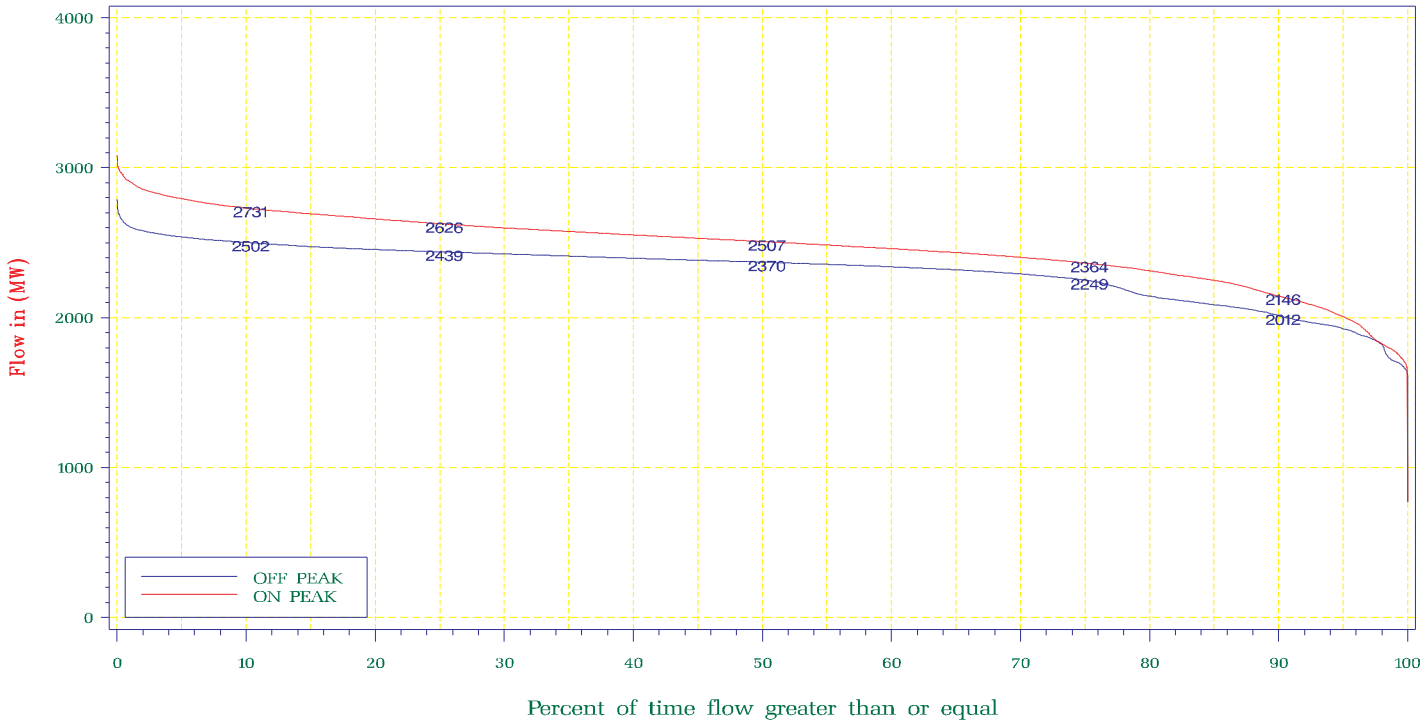
NYISO Percent of time Interface Flow For January – December 2004

Central East Pre – Contingency Voltage Collapse Limit
l/o New Scotland 99 Bus



OFFPEAK: Monday – Saturday : From 11:00pm – 07:00am and Sunday
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