

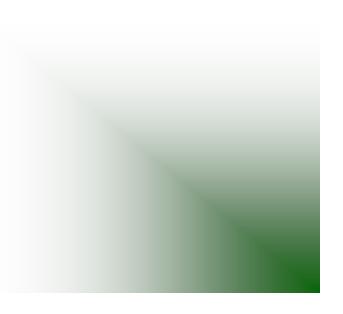
NYISO Market Operations Report

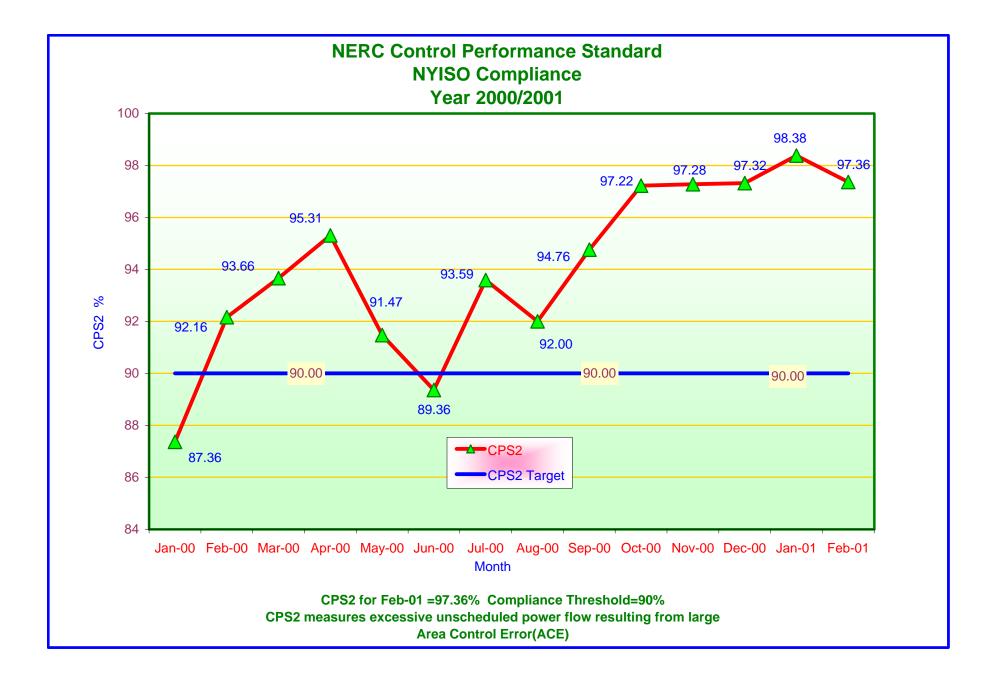
Management Committee Meeting March 1, 2001 Chuck King, NYISO VP Market Services



Market Operations Report

- 1) Reliability Indicators
 - NERC Criteria (CPS-2 Curve)
- 2) Zonal Prices
- 3) Market Performance Highlights
- 4) Summer 2001 ICAP Status
- 5) PSC Transmission Request
- 6) Rate Schedule 1 Increase

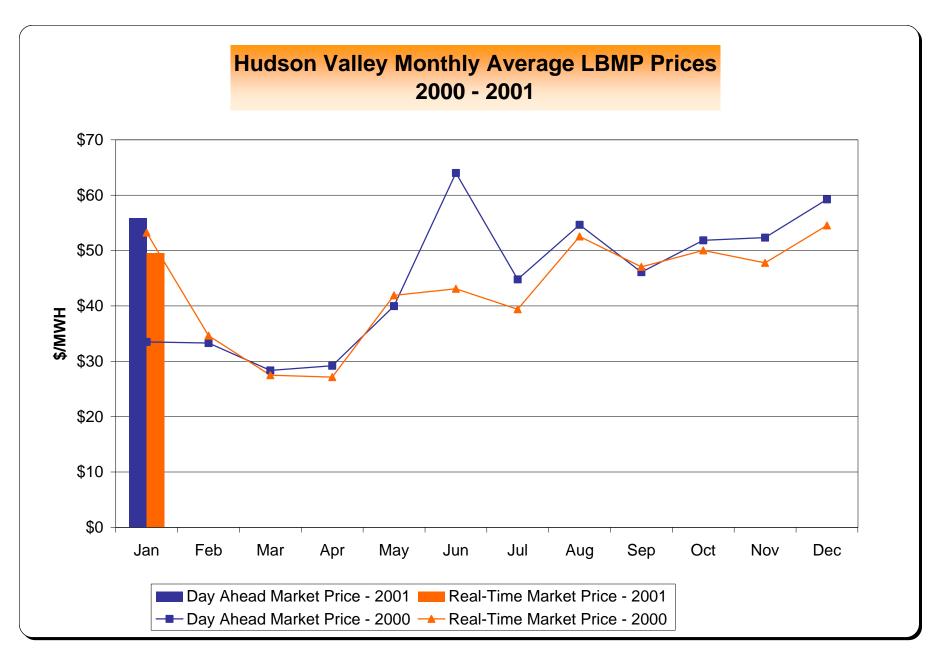




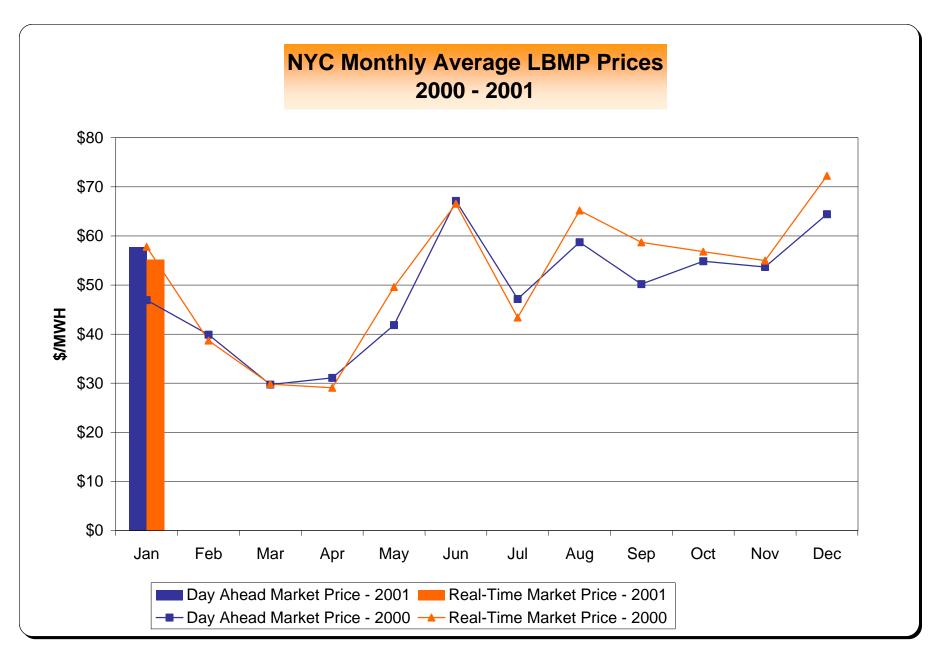
January, 2001 Zonal Statistics for NYISO

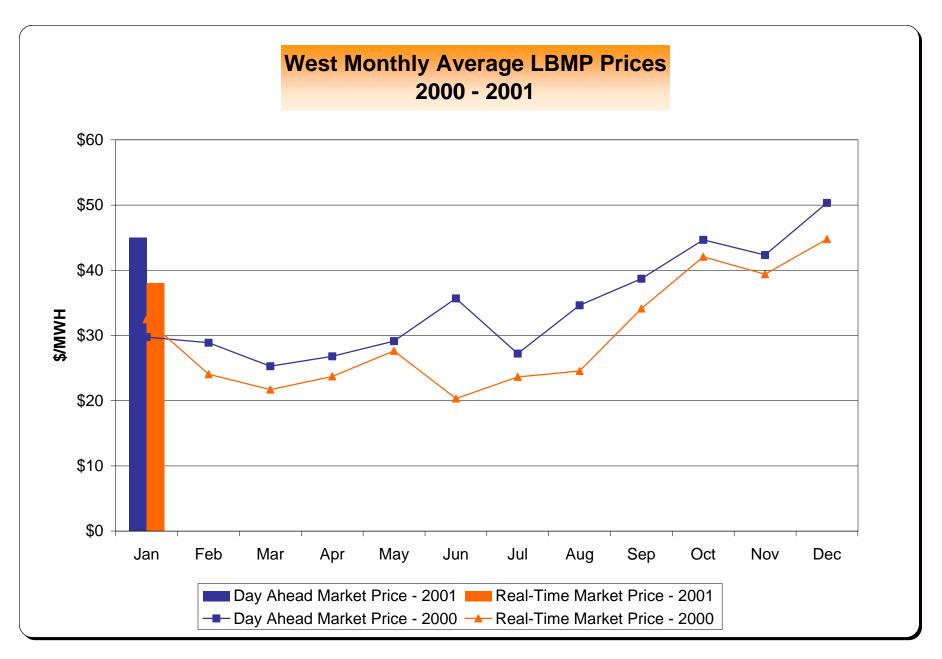
	WEST	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	GENESEE	LONG ISLAND	NORTH	NEW YORK CITY	MILLWOOD	DUNWOODIE
DAY AHEAD LBMP Unweighted Price Standard Deviation	\$44.97 \$11.89	\$48.22 \$12.96	\$49.64 \$13.25	\$55.93 \$18.33	\$55.91 \$17.43	\$46.51 \$12.52	\$79.40 \$46.24	\$48.37 \$12.51	\$57.72 \$17.69	\$55.90 \$17.43	\$56.49 \$17.59
REAL TIME LBMP Unweighted Price Standard Deviation	\$37.98 \$15.71	\$39.44 \$16.69	\$40.52 \$17.87	\$52.79 \$23.08	\$49.52 \$20.37	\$39.74 \$16.65	\$67.71 \$32.62	\$39.42 \$17.70	\$55.11 \$25.71	\$52.52 \$24.16	\$53.23 \$24.39
BALANCING MARKET LBMP Unweighted Price Standard Deviation	\$40.22 \$12.77	\$43.67 \$14.07	\$45.43 \$14.95	\$52.57 \$15.59	\$52.25 \$15.31	\$41.80 \$13.52	\$73.91 \$40.46	\$43.88 \$14.41	\$61.69 \$22.90	\$52.13 \$15.29	\$52.75 \$15.46

	HYDRO	NEW	ONTARIO	
	QUEBEC	ENGLAND	HYDRO	PJM
DAY AHEAD LBMP				
Unweighted Price	\$48.18	\$56.08	\$44.56	\$45.03
Standard Deviation	\$12.53	\$18.10	\$11.56	\$14.17
REAL TIME LBMP				
Unweighted Price	\$39.19	\$58.61	\$38.28	\$38.09
Standard Deviation	\$18.01	\$56.49	\$15.84	\$16.84
BALANCING MARKET LBMP				
	(\$143.58)	\$78.76	\$41.12	\$39.64
Unweighted Price		*	,	+
Standard Deviation	\$1,931.73	\$82.59	\$20.89	\$23.71



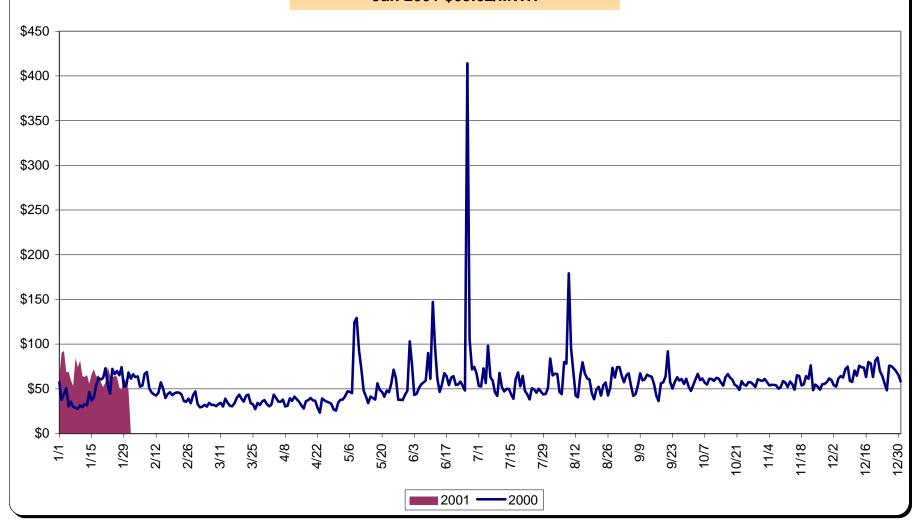
2/15/019:54 AM Market Monitoring





2/15/019:57 AM Market Monitoring

Average Daily LBMP Customer Price 2000 Annual Average \$57.81/MWH Jan 2000 \$50.88/MWH Jan 2001 \$65.62/MWH



2/27/019:49 AM Market Monitoring

NYISO Markets 2001 Energy Statistics

	January	February	March	April	May	June	July	August	September	October	November	December
DAY AHEAD LBMP												
Unweighted Price	\$56.41											
Standard Deviation	\$17.87											
Load Wtg.Price	\$58.34											
REAL TIME LBMP												
Unweighted Price	\$50.15											
Standard Deviation	\$19.32											
Load Wtg.Price	\$51.66											
BALANCING MARKET LBMP												
Unweighted Price	\$54.40											
Standard Deviation	\$16.85											
Load Wtg.Price	\$55.95											

NYISO Markets 2000 Energy Statistics

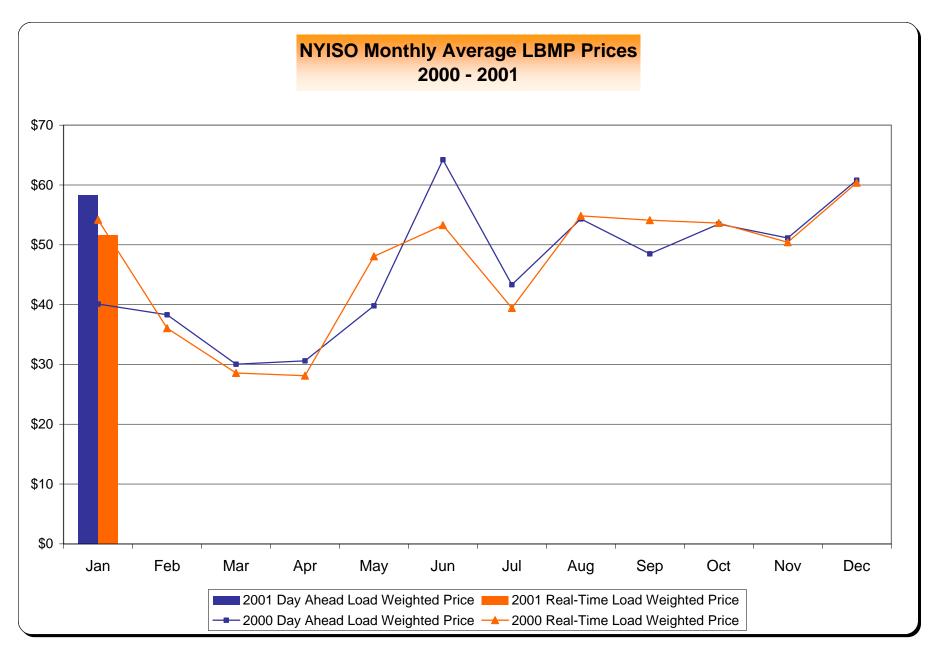
	January	February	March	April	May	June	July	August	September	October	November	December
DAY AHEAD LBMP												
Unweighted Price	\$38.64	\$37.09	\$29.24	\$29.55	\$37.73	\$57.96	\$40.66	\$50.18	\$46.47	\$51.91	\$50.07	\$58.34
Standard Deviation	\$16.64	\$12.75	\$8.22	\$9.57	\$16.65	\$67.35	\$18.96	\$37.40	\$15.52	\$12.64	\$9.67	\$18.03
Load Wtg.Price	\$40.09	\$38.31	\$30.05	\$30.60	\$39.80	\$64.23	\$43.32	\$54.34	\$48.50	\$53.46	\$51.13	\$60.81
REAL TIME LBMP												
Unweighted Price	\$49.46	\$34.52	\$27.40	\$27.04	\$41.17	\$46.26	\$36.81	\$48.86	\$50.12	\$51.74	\$48.89	\$58.28
Standard Deviation	\$99.49	\$20.65	\$20.80	\$13.14	\$74.60	\$91.83	\$21.87	\$59.58	\$53.73	\$19.28	\$19.89	\$48.47
Load Wtg.Price	\$54.16	\$36.06	\$28.57	\$28.11	\$48.07	\$53.28	\$39.42	\$54.84	\$54.11	\$53.62	\$50.41	\$60.38
BALANCING MARKET LBMP												
Unweighted Price	\$52.24	\$52.40	\$27.44	\$30.95	\$135.39	\$230.91	\$40.26	\$121.45	\$59.17	\$55.44	\$49.31	\$61.57
Standard Deviation	\$391.99	\$244.80	\$21.97	\$14.13	\$5,206.45	\$2,355.22	\$34.84	\$1,207.51	\$92.35	\$21.42	\$14.92	\$31.11
Load Wtg.Price	\$55.95	\$55.25	\$28.21	\$31.93	\$210.52	\$290.60	\$42.26	\$137.53	\$61.96	\$57.29	\$50.59	\$65.35

NYISO Markets 2001 Liquidity Statistics

	January	February	March	April	May	June	July	August	September	October	November	December
LIQUIDITY - By Market												
DAM LSE Internal LBMP Energy Sales	41%											
DAM External TC LBMP Energy Sales	3%											
DAM Bilateral - Internal Bilaterals	50%											
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	1%											
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%											
DAM Bilateral - Wheel Through Bilaterals	4%											
Day Ahead Market	100%											
Balancing LSE Internal LBMP Energy Sales	63%											
Balancing External TC LBMP Energy Sales	56%											
Balancing Bilateral - Internal Bilaterals	-8%											
Balancing Bilateral - Importl/Non-LBMP Market Bilaterals	2%											
Balancing Bilateral - Export/Non-LBMP Market Bilaterals	0%											
Balancing Bilateral - Wheel Through Bilaterals	-13%											
Balancing Market	100%											
LIQUIDITY - All Markets												
LBMP	45%											
Internal Bilaterals	49%											
Import Bilaterals	1%											
Export Bilaterals	1%											
Wheels Through	4%											
Market Share of Total Load												
Day Ahead Market	97.71%											
Balancing Market	2.29%											
Total MWH	14,684,835											

NYISO Markets 2000 Liquidity Statistics

		January	February	March	April	May	June	July	August	September	October	November	December
LIQUIDITY - All Markets													
LBMP		30%	31%	35%	37%	42%	44%	45%	45%	50%	48%	43%	47%
Internal Bilaterals		64%	63%	60%	58%	52%	51%	50%	51%	45%	48%	51%	48%
Import Bilaterals		2%	2%	2%	2%	1%	1%	1%	1%	2%	1%	1%	1%
Export Bilaterals		1%	1%	1%	1%	1%	1%	2%	1%	1%	2%	2%	0%
Wheels Through		2%	3%	1%	1%	4%	3%	3%	2%	2%	1%	3%	3%
Market Share of Total Load													
Day Ahead Market		97.97%	97.85%	97.25%	96.18%	98.52%	98.70%	101.33%	102.12%	96.98%	98.29%	96.11%	96.22%
Balancing Market		2.03%	2.15%	2.75%	3.82%	1.48%	1.30%	-1.33%	-2.12%	3.02%	1.71%	3.89%	3.78%
-	Total MWH	13,979,215	12,933,930	12,616,286	11,800,570	12,940,566	13,964,207	14,199,309	15,011,759	13,321,117	12,516,751	12,635,197	14,740,664



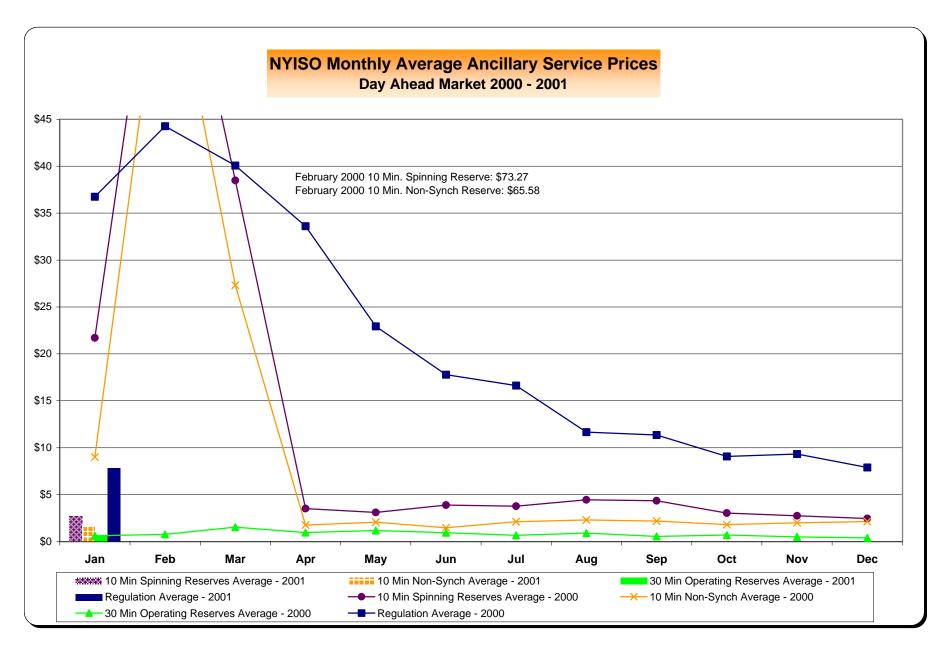
NYISO Markets 2001	Ancillary Service Statistics
--------------------	------------------------------

	January	February	March	April	May	June	July	August	September	October	November December
ANCILLARY SERVICES	Day Ahead M	larket									
10 Min Spin											
Unweighted Price	\$2.71										
Standard Deviation	\$1.67										
10 Min Nonspin											
Unweighted Price	\$1.69										
Standard Deviation	\$0.78										
30 Min											
Unweighted Price	\$0.60										
Standard Deviation	\$0.40										
Regulation											
Unweighted Price	\$7.80										
Standard Deviation	\$5.50										
	.	•									
ANCILLARY SERVICES	Balancing Ma	arket									
10 Min Spin	Aa :-										
Unweighted Price	\$3.19										
Standard Deviation	\$3.95										

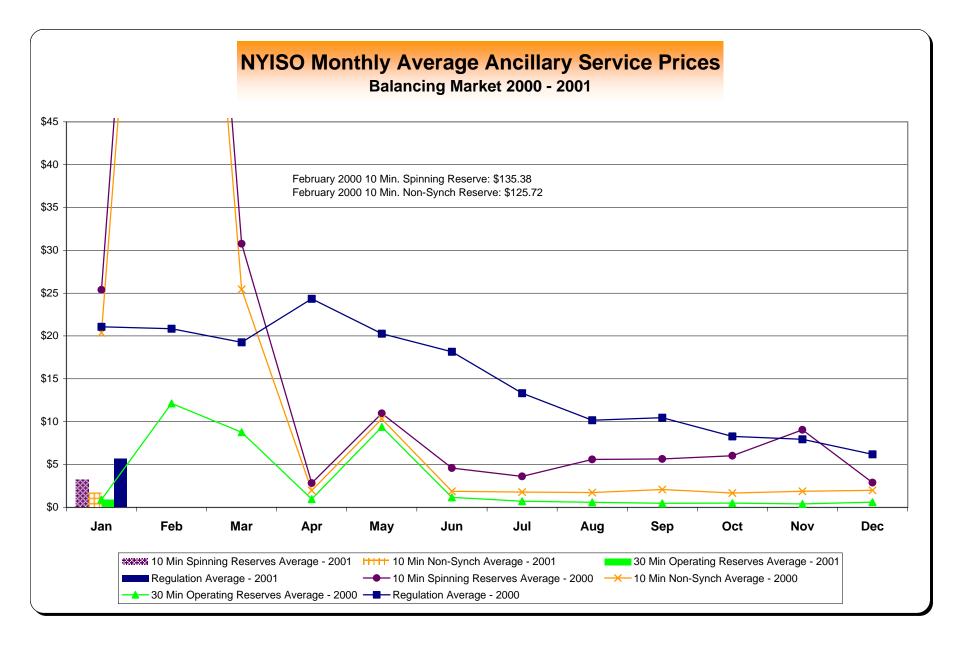
Standard Deviation	<i>ф</i> 3.95
10 Min Nonspin Unweighted Price Standard Deviation	\$1.70 \$0.92
30 Min Unweighted Price Standard Deviation	\$0.88 \$0.84
Regulation Unweighted Price Standard Deviation	\$5.70 \$5.97

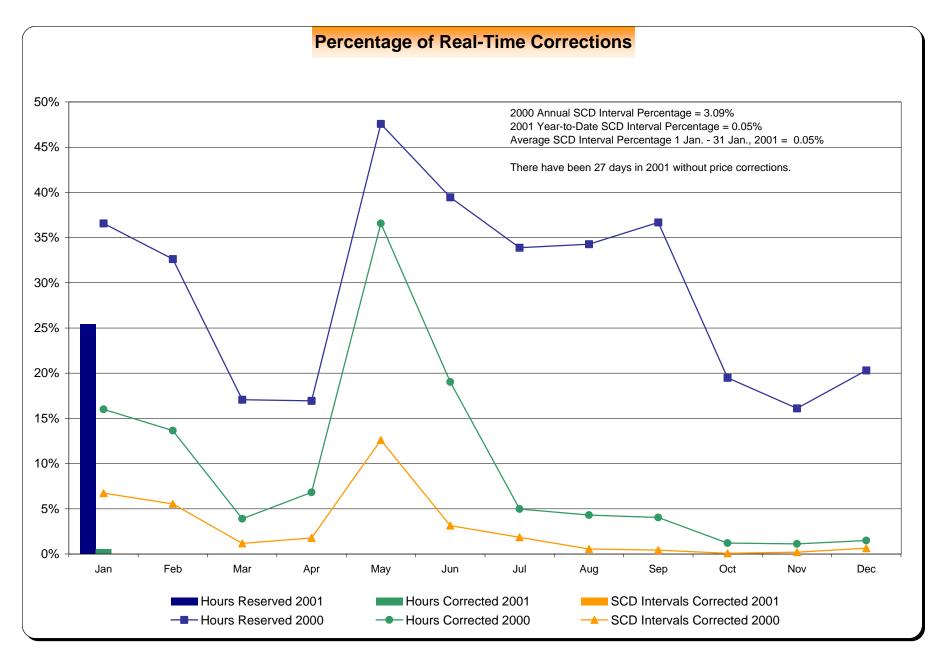
NYISO Markets 2000 Ancillary Services Statistics

	January	February	March	April	May	June	July	August	September	October	November	December
ANCILLARY SERVICES	Day Ahead M	arket										
10 Min Spin Price Standard Deviation	\$21.70 \$26.67	\$73.27 \$32.24	\$38.48 \$34.05	\$3.51 \$5.74	\$3.10 \$5.31	\$3.89 \$4.88	\$3.76 \$2.61	\$4.45 \$5.63	\$4.34 \$6.50	\$3.03 \$4.95	\$2.74 \$3.81	\$2.45 \$0.76
10 Min Nonspin Price Standard Deviation	\$9.01 \$0.39	\$65.58 \$0.22	\$27.31 \$6.39	\$1.75 \$0.45	\$2.07 \$5.07	\$1.47 \$2.52	\$2.12 \$1.35	\$2.30 \$2.02	\$2.18 \$0.21	\$1.80 \$0.62	\$1.99 \$0.58	\$2.14 \$0.57
30 Min Price Standard Deviation	\$0.62 \$19.20	\$0.77 \$24.13	\$1.53 \$16.17	\$0.95 \$0.16	\$1.17 \$5.12	\$0.93 \$2.51	\$0.66 \$1.39	\$0.91 \$2.14	\$0.55 \$0.30	\$0.70 \$0.27	\$0.50 \$0.39	\$0.39 \$0.39
Regulation Price Standard Deviation	\$36.75 \$42.26	\$44.27 \$21.99	\$40.07 \$23.72	\$33.61 \$35.08	\$22.93 \$11.18	\$17.79 \$9.52	\$16.63 \$9.17	\$11.66 \$5.13	\$11.35 \$10.38	\$9.08 \$6.96	\$9.32 \$7.93	\$7.89 \$5.73
ANCILLARY SERVICES	Balancing Ma	arket										
10 Min Spin Price Standard Deviation	\$25.38 \$37.34	\$135.38 \$798.48	\$30.76 \$31.12	\$2.83 \$6.32	\$10.96 \$27.38	\$4.58 \$6.74	\$3.60 \$5.68	\$5.58 \$8.40	\$5.64 \$8.54	\$6.02 \$9.66	\$9.05 \$12.05	\$2.87 \$3.37
10 Min Nonspin Price Standard Deviation	\$20.37 \$33.81	\$125.72 \$799.03	\$25.45 \$23.67	\$1.97 \$4.51	\$10.31 \$27.41	\$1.87 \$3.77	\$1.77 \$3.77	\$1.71 \$1.74	\$2.07 \$0.51	\$1.66 \$0.90	\$1.86 \$0.78	\$1.98 \$1.07
30 Min Price Standard Deviation	\$0.90 \$2.35	\$12.13 \$26.61	\$8.77 \$23.48	\$0.96 \$4.55	\$9.37 \$27.70	\$1.16 \$3.84	\$0.71 \$3.79	\$0.58 \$1.67	\$0.46 \$0.59	\$0.49 \$0.60	\$0.39 \$0.63	\$0.60 \$1.01
Regulation Price Standard Deviation	\$21.07 \$26.50	\$20.84 \$19.49	\$19.25 \$19.55	\$24.34 \$33.72	\$20.26 \$11.44	\$18.15 \$39.80	\$13.31 \$9.66	\$10.16 \$8.06	\$10.46 \$11.39	\$8.28 \$8.82	\$7.94 \$8.50	\$6.19 \$5.90

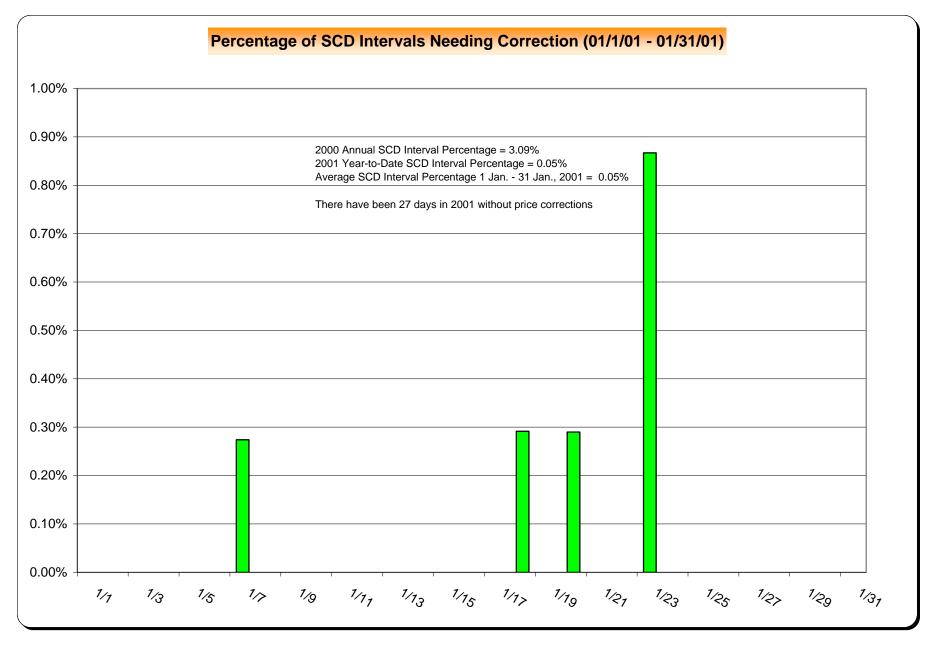


2/15/019:50 AM Market Monitoring





2/15/019:51 AM Market Monitoring



2/15/019:53 AM Market Monitoring



NYS & Locality Load and Capacity Outlook

For Summer 2001

30,620 MW
<u>5,512 MW</u>
36,132 MW
10,535 MW
8,428 MW
<u>8,031 MW</u>
397 MW
4,733 MW
4,639 MW
<u>4,507 MW</u>
132 MW



2001 Load and Capacity Outlook: Sensitivity Analysis Extreme Weather Scenario based on Summer 1999 weather*

<u>Statewide</u>		
Forecast Demand	32,340 MW	
Reserve Requirement	<u>5,821 MW</u>	
Total Requirement	38,161 MW	
New York City		
Forecast Demand	11,125 MW	
In-City Requirements (80%)	8,900 MW	
Available Supply (as of 2/1/01)	<u>8,031 MW</u>	
In-City Deficiency	869 MW	
Long Island		
Forecast Demand	5,000 MW	
On-Island Requirements (98%)	4,900 MW	
Available Supply (as of 2/1/01)	<u>4,507 MW</u>	
On-Island Deficiency	393 MW	

*Under this scenario the risk of loss of load is almost ten times greater than it would be for the expected forecast demand.



PSC Transmission Request (H. Tarler letter of 2/14/01) Summary of PSC Request

- PSC has requested that the NYISO consider additional transmission studies to enhance transfers between New York and neighboring ISOs, specifically.
 - What transmission reinforcement studies exist which could increase levels of economic interchange with adjacent control areas?
 - Can new studies be undertaken to explore the feasibility of increasing transfer capability from PJM and ISO-NE by 50%? By 100%?