2005 Process/Results

June 9 Hour Ended 5 PM
NYISO Billing System

	Load	Losses	Load + Losses	Loss % Of Load	TO & ELRR Data		W/N Results		W/N Losses	W/N LLL	Alloc. W/N Losses	W/N L+L	Station Power	W/N L+L Net of SP
Central Hudson	1,022.0	21.0	1,043.0	2.01%	1,043.0	x	1,095.0	x	22.0	1,073.0	24.5	1,097.5		1,097.5
						x								
Consolidated Edison	11,106.0	221.0	11,327.0	1.95%	11,327.0	x	12,775.0	x	249.3	12,525.7	286.3	12,812.0	27.6	12,784.4
						x								
Long Island Power Authority	4,214.0	39.0	4,253.0	0.92%	4,253.0	x	4,955.0	x	45.4	4,909.6	112.2	5,021.8		5,021.8
Other LSEs					53.0	x	53.0			53.0	1.2	54.2		54.2
Municipals - Net					83.4	x	97.2			97.2	2.2	99.4		99.4
Other adjustments added to load					15.4		17.9			17.9		17.9		17.9
					4,404.8	x	5,123.1							
New York Power Authority	456.4	7.0	463.4	1.51%	463.6	x	466.2	x	7.0	459.2	10.5	469.7		469.7
New York State Electric & Gas	2551	111	2661	4.15%	2,435.0	x	2,490.0	x	113.0	2,490.0	56.9	2,546.9		2,546.9
Losses					110.5	x								
Full Requirement Customers					31.0	x	31.7			31.7	0.7	32.4		32.4
Partial Requirement Customers					72.8	x	74.4			74.4	1.7	76.1		76.1
					2,649.3	x	2,596.1							
Niagara Mohawk	6,036.7	215.9	6,252.6	3.45%	6,023.0	x	6,096.0	x	218.5	6,096.0	139.3	6,235.3	11.4	6,223.9
Losses					215.9	x								0.0
Full Requirement Customers					192.1	x	194.4			194.4	4.4	198.8		198.8
Partial Requirement Customers					109.3	x	110.6			110.6	2.5	113.1		113.1
Jamestown					78.1	x	79.0			79.0	1.3	80.4		80.4
					6,618.3	x	6,480.0							
Orange & Rockland Utilities	928.3	20.5	948.7	2.16%	948.0	x	1,050.0	x	22.7	1,027.3	23.5	1,050.8		1,050.8
RG&E	1,441.1	22.8	1,463.9	1.56%	1,456.0	x	1,512.0	x	23.7	1,488.3	34.0	1,522.3		1,522.3
Partial Requirement Customers					10.2	x	10.5			10.5	0.2	10.8		10.8
					1,466.2		1,522.5							
					Total =		**31,108.0**		**701.7**	**30,737.9**	**701.6**	**31,439.5**	**39.0**	**31,400.5**

NEW YORK INDEPENDENT SYSTEM OPERATOR

2005 Process/Results

2005 New York Control Area Forecasted Peak Load
And Forecasted Transmission District Loads at the Time of the NYCA Peak

	June 9, 2004 Hour Ended 5 PM Weather Normalized Load + Losses MW)	Regional Load Growth Factor	Forecasted 2005 Load At Time of NYCA Peak (MW)
Central Hudson	1,097.5	1.0150	1,113.9
Consolidated Edison	12,784.4	1.0196	13,035.0
Long Island Power Authority	5,021.8	1.0212	5,128.2
Other LSEs	54.2		54.2
Municipals - Net	99.4		101.2
Other adjustments added to load	17.9		18.2
New York Power Authority	469.7	1.2236	574.7
New York State Electric & Gas	2,546.9	1.0030	2,554.5
Full Requirement Customers	32.4		32.5
Partial Requirement Customers	76.1		76.4
Niagara Mohawk	6,223.9	1.0040	6,248.8
Full Requirement Customers	198.8		199.6
Partial Requirement Customers	113.1		113.6
Jamestown	80.4		80.7
Orange & Rockland Utilities	1,050.8	1.0267	1,078.9
RG&E	1,522.3	1.0120	1,540.6
Partial Requirement Customers	10.8		10.9
NYCA 2004 Weather-nomalized peak l	**31,400.5**	**MW**	**31,962.0** **MW**

NEW YORK INDEPENDENT SYSTEM OPERATOR

2005 Process/Results

2005 ICAP Requirements (May - April)

Transmission District	2005 Forecast Peak Load (MW)	ICAP Requirement (MW)	Effective ICAP %	Winter 2005/2006 UCAP Requirement (MW)	Effective UCAP %
Central Hudson	1,113.9	1,314.4	118.00%	**1,246.3**	111.89%
Con Edison	13,035.0	15,381.3	118.00%	**14,584.5**	111.89%
LIPA	5,301.9	6,256.2	118.00%	**5,932.2**	111.89%
NMPC	6,642.7	7,838.4	118.00%	**7,432.4**	111.89%
NYPA	574.7	678.2	118.00%	**643.0**	111.89%
NYSEG	2,663.4	3,142.8	118.00%	**2,980.0**	111.89%
Orange and Rockland	1,078.9	1,273.1	118.00%	**1,207.2**	111.89%
RGE	1,551.5	1,830.8	118.00%	**1,735.9**	111.89%
Total	31,962.0	37,715.2		35,761.5	

Statewide requirements

NYCA ICAP Requirement set at 118% of 2005 forecast peak

NYCA ICAP Requirement = 1.18 x **31,962.0** MW

= **37,715.2** MW

NYCA UCAP Calculation =NYCA ICAP Requirement* (1-NYCA EFOR)

NYCA EFOR = 5.18%

1-NYCA EFOR = 94.82%

NYCA UCAP Requirement = **111.89%** **31,962.0** MW

= **35,761.5** MW

Locational requirements

NYC ICAP requirement is 80% of peak load

NYC UCAP requirement is the NYC peak load * (80% * (1- NYC EFOR))

NYC EFOR =	5.19%
1 - NYC EFOR =	94.81%
NYC Peak Load =	11,297.9
NYC UCAP =	**8,569.2**

LI ICAP requirement is 99% of peak load

LI UCAP requirement is the LI peak load * (99% * (1- LI EFOR))

LI EFOR =	4.17%
1 - LI EFOR =	95.83%
LI Peak Load =	5,230.6
LI UCAP =	**4,962.4**

NEW YORK INDEPENDENT SYSTEM OPERATOR

2006 Preliminary Schedule

2006 Load Forecast/ICAP Reporting Timeline

Event	Responsible Party(ies)	Due Date	LF Manual Section
Post NYCA and TD Economic Outlooks for the 2005 Capability Year	ISO	20-Oct	
Post final 2004 NYCA peak, date & time	ISO	1-Nov	2.1.1
Post final 2004 Zone J and Zone K peaks, date & time	ISO	1-Nov	2.1.1
Post EDRP and SCR impacts on NYCA peak	ISO	1-Nov	2.1.2
Post EDRP and SCR impacts on Zone J and K peaks	ISO	1-Nov	2.1.2
Submit actual load at time of NYCA peak	TO/MES	7-Nov	2.2.2
Submit weather-normalized load at time of NYCA peak	TO/MES	17-Nov	2.2.3
Submit actual load at time of Zone J or K peak	TO/MES w/ locational	7-Nov	2.2.2
Submit weather-normalized load at time of Zone K peak	requirements	17-Nov	2.2.3
Evaluation of weather-normalized loads at time of NYCA peak	ISO	2-Dec	2.1.4
Evaluation of weather-normalized Zone J and K peak loads	ISO	2-Dec	2.1.4
Comment and dispute resolution period on weather-normalization results	All	2-Dec to 16-Dec	2.3.3
Submit regional load growth factors	TO/MES	2-Jan	2.2.7
Evaluation of Regional Load Growth Factors	ISO	9-Jan	2.1.5
Post Preliminary 2005 NYCA ICAP Forecast	ISO	11-Jan	2.1.6
Comment and dispute resolution period on Regional Load Growth Factors	All	11-Jan to 17-Feb	2.3.5
Post Final 2005 NYCA ICAP Forecast	ISO	24-Feb	2.1.7

ICAPWG Alternative LF Methods

Dates of NYCA Peaks 1975 - 2005

Year	Peak	Mon	Day	Year	Peak	Mon	Day
1975	20,001	8	1	1990	24,985	7	19
1976	19,262	6	24	1991	26,839	7	23
1977	21,214	7	21	1992	24,951	8	26
1978	20,418	8	16	1993	27,139	7	8
1979	20,402	8	2	1994	27,065	7	21
1980	21,742	7	21	1995	27,206	8	4
1981	21,437	7	9	1996	25,585	7	18
1982	21,444	7	19	1997	28,699	7	15
1983	21,842	9	6	1998	28,161	7	22
1984	21,870	6	11	1999	30,311	7	6
1985	22,926	8	15	2000	28,138	6	26
1986	22,942	7	7	2001	30,982	8	9
1987	24,427	7	24	2002	30,664	7	29
1988	25,720	8	12	2003	30,333	6	26
1989	25,390	7	27	2004	28,433	6	9
				2005	32,075	7	26

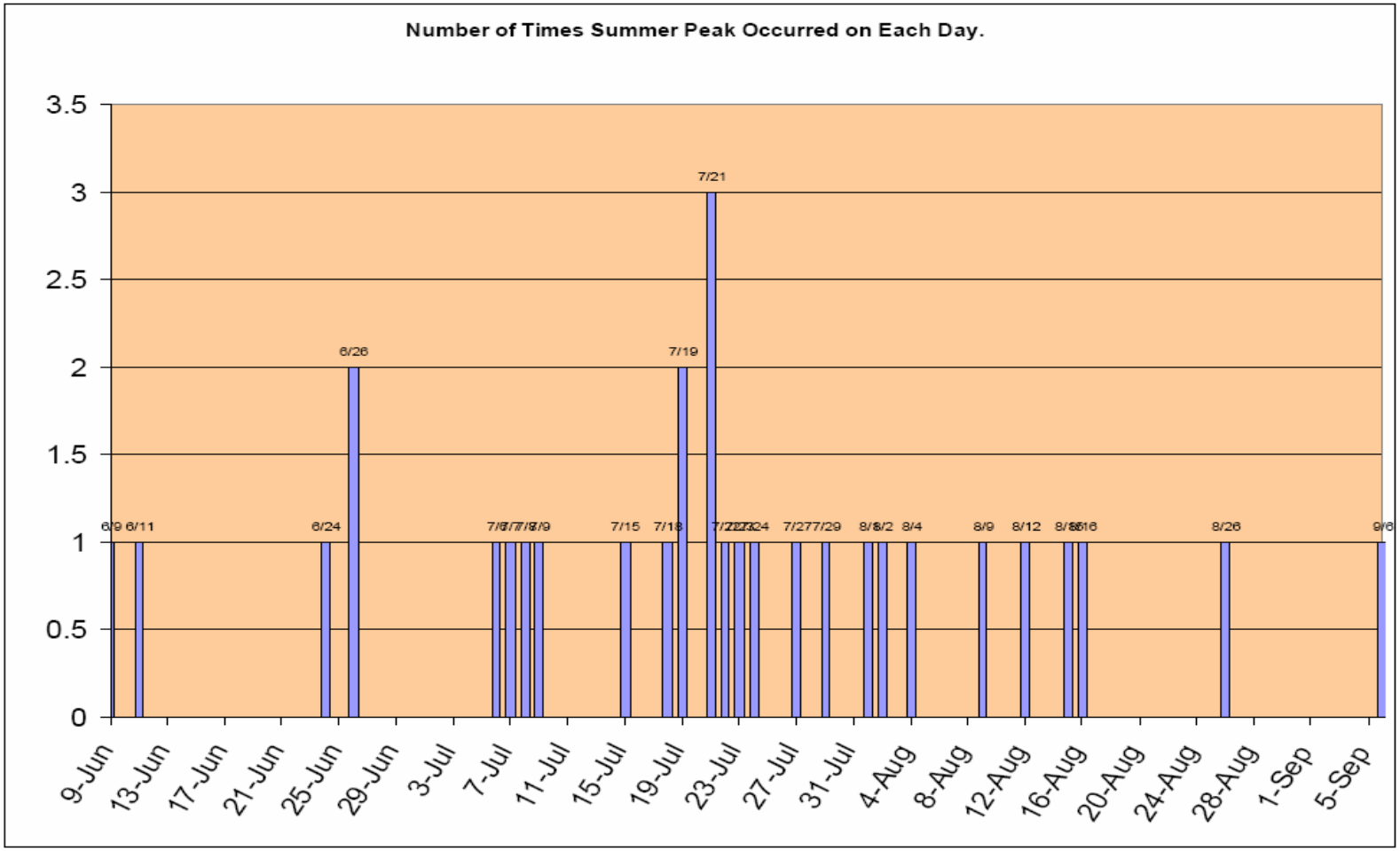
June Peaks	5
July Peaks	17
August Peaks	8
September Peaks	1
	31

2004 Forecast = 31,800 MW

W/N = 31,400 MW

NEW YORK INDEPENDENT SYSTEM OPERATOR

ICAPWG Alternative LF Methods



NEW YORK INDEPENDENT SYSTEM OPERATOR

ICAPWG Alternative LF Methods

Would 2004 "July" Peak Have Been Higher than June 9 Peak?

- Probably not. The low 2004 peak was most likely caused by the absence of hot weather in the Most Likely Peak Period.
- Normalization for 2003 and 2004 did not reveal any additional load associated with peaks occurring in the Most Likely Peak Period
- Any additional load in the MLPP is most likely associated with more extreme CTHI's, longer heat waves, and/or seasonal heat wave build up effects.
- Also aggravated by extreme difference between actual (28,433 MW) and W/N (31,400 MW)