



2012 Weather Normalization Models – V1

Arthur Maniaci

System & Resource Planning

New York Independent System Operator

LFTF

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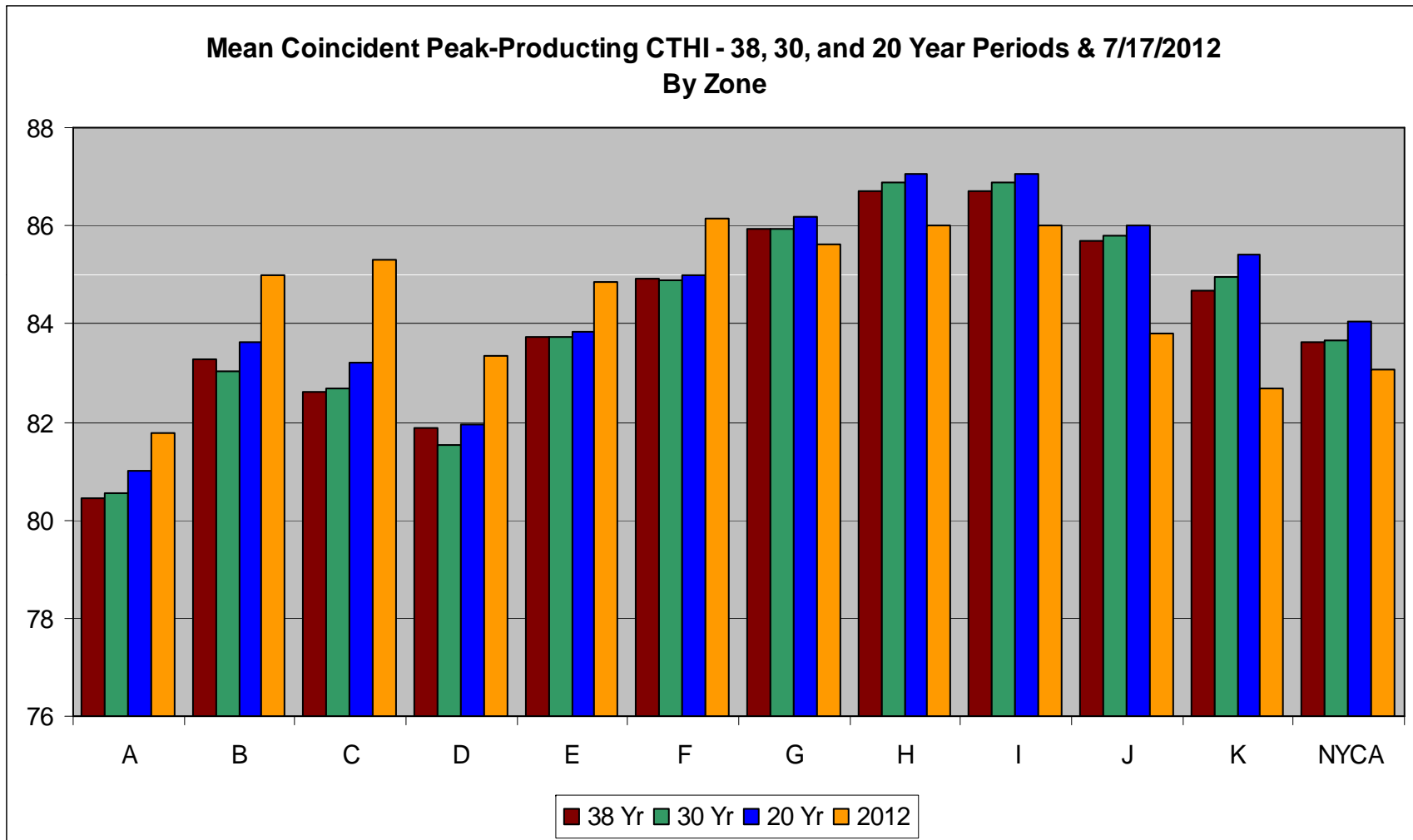
Draft – for discussion only

Design Temperature Conditions for 3-Day Cumulative Temperature-Humidity Index (CTHI)

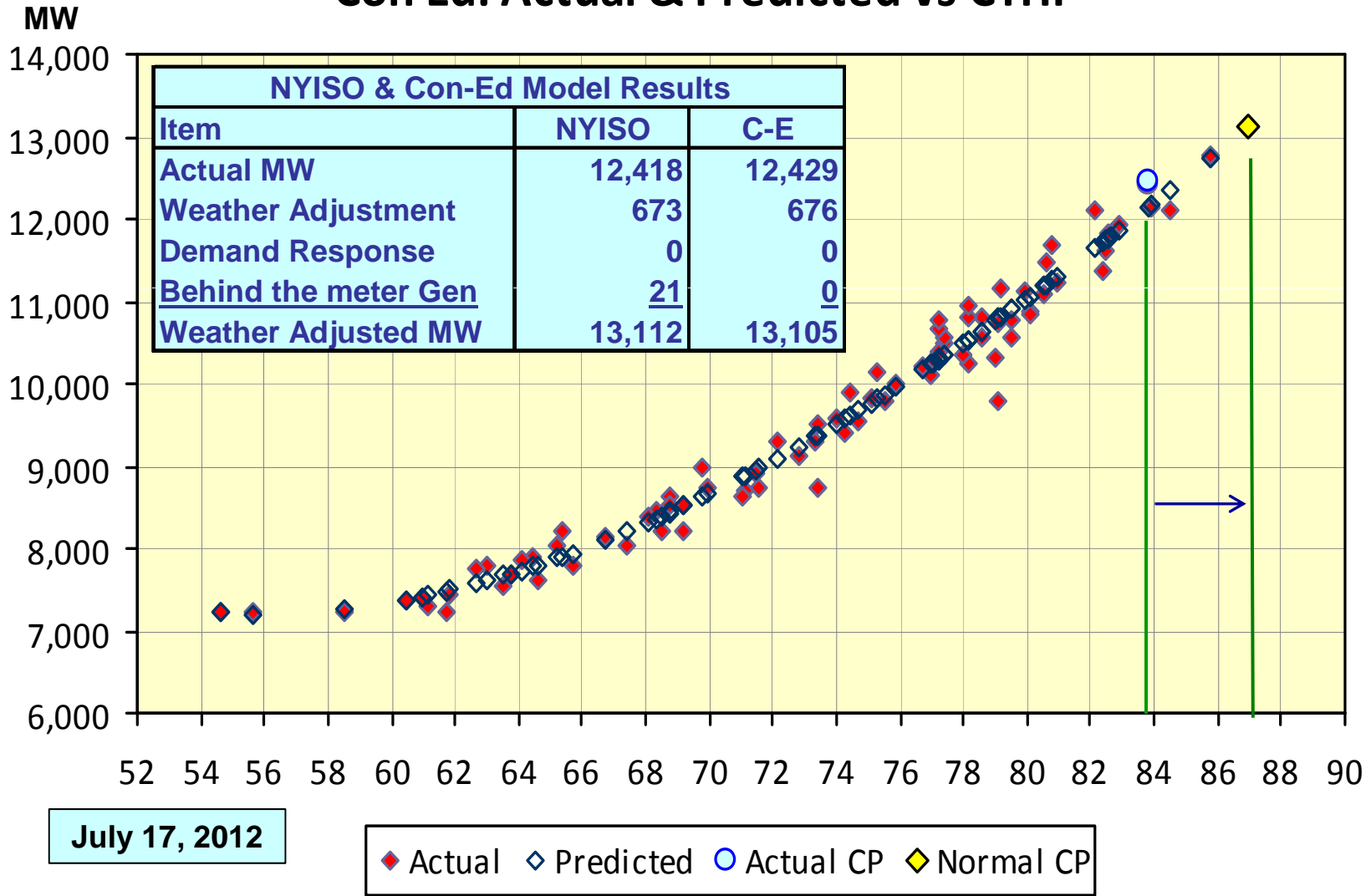
Statistic	Central Hudson	Con-Ed	LIPA	NGrid	NYSEG	NYPA	O&R	RG&E
Max	90.66	91.82	91.70	87.17	88.17	87.54	90.66	88.28
30-Yr Avg	85.94	85.81	84.97	82.81	82.97	81.54	85.94	83.05
Min	80.94	80.41	78.98	78.76	78.88	73.54	80.94	75.76
Std. Dev	2.31	2.73	3.01	2.17	2.28	3.27	2.31	2.61
50th	85.94	85.81	84.97	82.81	82.97	81.54	85.94	83.05
67th: CE, OR	86.94	86.99	86.27	83.74	83.95	82.95	86.94	84.17
90th	88.90	89.30	88.83	85.58	85.89	85.74	88.90	86.39
2012	85.62	83.79	82.68	84.33	84.63	83.36	85.62	85.00
Percentile	44%	23%	22%	76%	77%	71%	44%	77%
z(2012)	-0.14	-0.74	-0.76	0.70	0.73	0.56	-0.14	0.75
Design Temp chg	0.33	3.20	2.29	-1.52	-1.65	-1.82	1.32	-1.95

Design conditions are based on 10 NY weather stations, individually weighted for each Transmission District.

Review of Peak-Producing CTHI Since 1975

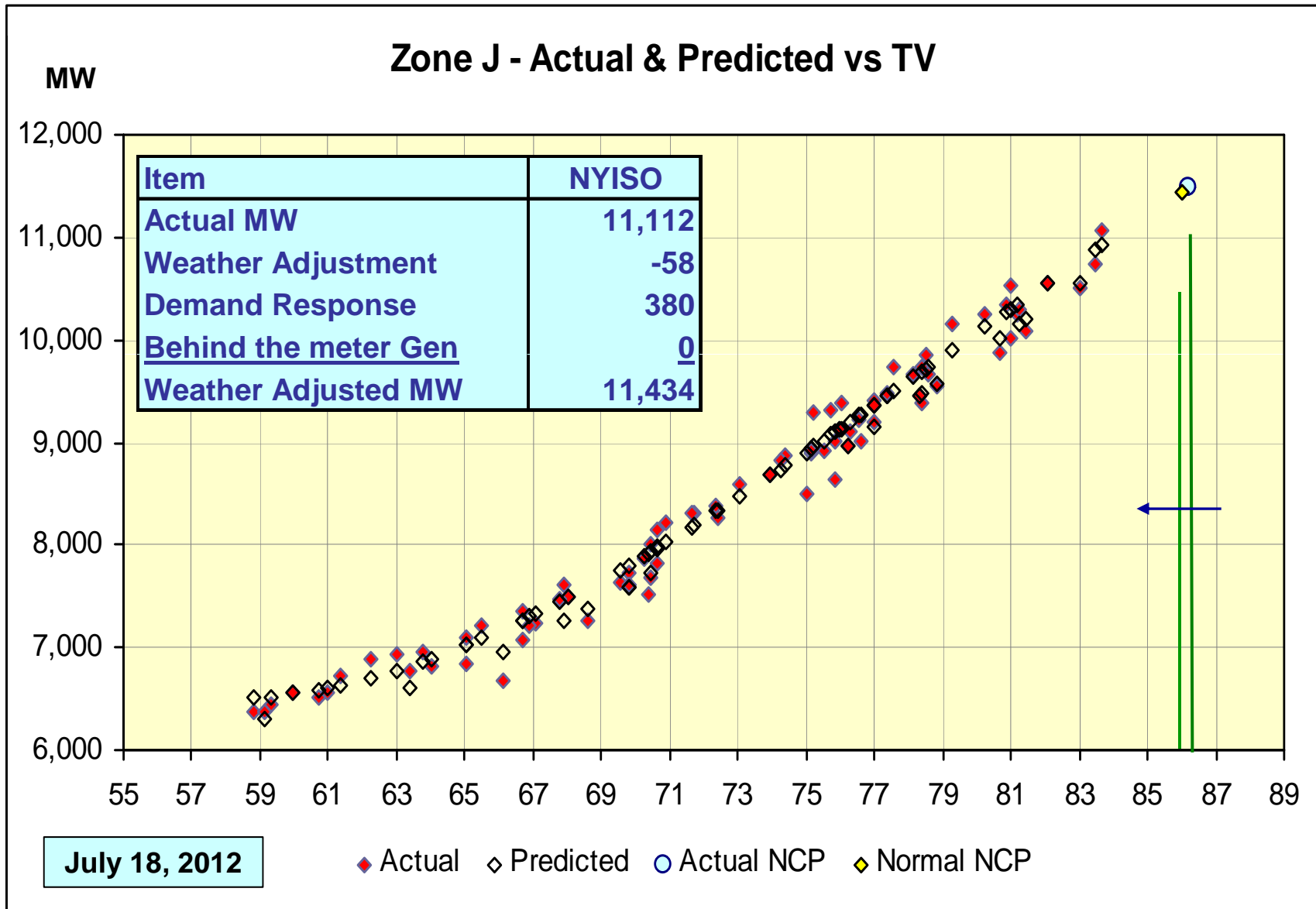


Con Ed: Actual & Predicted vs CTHI



NYISO 2010 Weather Model for Con-Ed at 67th Percentile of CTHI Design Conditions

(a) Variable	(b) Coefficient	(c) StdErr	(d) T-Stat	(e) X-Var	(f) = (b)*(e) MW
CONST	44012.875	18045.163	2.439	1.000	44,013
CTHI_Vars.CE_CTHI	-1528.537	774.509	-1.974	86.99	-132,967
CTHI_Vars.CE_CTHI_Sq	19.298	11.011	1.753	7567	146,029
CTHI_Vars.CE_CTHI_Cub	-0.067	0.052	-1.288	658276	-43,963
Total at Design					13,112
Actual MW, at Peak hour of Day					12,438
Weather Adjustment					673



NYISO 2010 Weather Model for Zone J at 67th Percentile of TV Design Conditions

(a) Variable	(b) Coefficient	(c) StdErr	(d) T-Stat	(e) X-Var	(f) = (b)*(e) MW
CONST	74768.040	17949.144	4.166	1.000	74,768
Data.TV_CECONY	-2928.403	756.418	-3.871	86.00	-251,843
Wthr_vars.TV_Sq	39.941	10.570	3.779	7396	295,406
Wthr_vars.TV_Cub	-0.168	0.049	-3.431	636056	-106,897
Binaries.Fri	-211.999	43.610	-4.861	0	0
Total at Design					11,434
Actual + DR MW, at Peak hour of Day					11,492
Weather Adjustment					-58



The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and performs comprehensive reliability and resource planning for the state's bulk electricity system.

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