BEFORE THE
STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

In the Matter of

Consolidated Edison Company of New York, Inc.

Case 09-E-0428

August 2009

Prepared Exhibits of:

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Principal Econometrician
Office of Regulatory Economics

New York State
Department of Public Service
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Anping Liu

Exhibit ___ (AL-1)

List of Staff Information Requests

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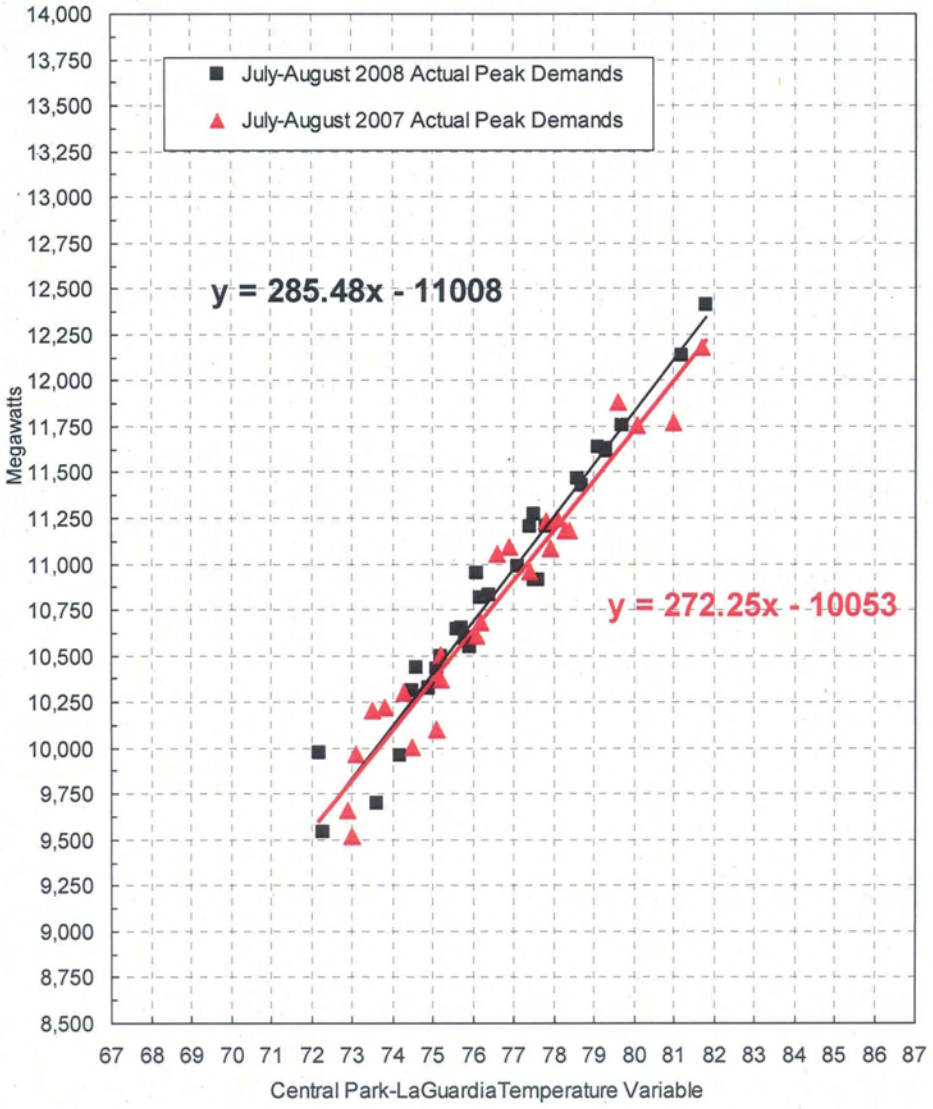
Company Name: Con Edison
Case Description: 2009 Electric Rate Filing
Case: 09-E-0428

Response to DPS Interrogatories – Set DPS14
Date of Response: 06/29/2009
Responding Witness: IIP

Question No. :125
Subject: System Peak Load Forecast - Provide, in electronic format (preferably Excel), the backup data and the worksheet, with formulas accessible, for the weather normalization of the Company's system peak load for 2008.

Response:
See attached, DPS125_Weather normalization.xls

CECONY Service Area
July-August 2008 vs July-August 2007



Mon	07/02/07	5 PM	8,448	66.1	150	8,598	(pre-hol)
Tue	07/03/07	4 PM	8,779	68.6	150	8,929	(pre-hol)
Thu	07/05/07	5 PM	9,660	72.9	0	9,660	
Tue	07/24/07	5 PM	9,521	73.0	0	9,521	
Tue	08/14/07	5 PM	9,967	73.1	0	9,967	
Fri	07/20/07	12 PM	9,988	73.5	220	10,208	(Fri)
Fri	07/13/07	2 PM	10,023	73.8	200	10,223	(Fri)
Mon	07/16/07	5 PM	10,300	74.3	0	10,300	
Fri	07/06/07	4 PM	9,805	74.5	200	10,005	(Fri)
Thu	07/12/07	5 PM	10,101	75.1	0	10,101	
Wed	07/18/07	5 PM	10,508	75.2	0	10,508	
Wed	07/25/07	5 PM	10,373	75.2	0	10,373	
Fri	08/17/07	3 PM	10,412	76.1	200	10,612	(Fri)
Wed	08/15/07	5 PM	10,682	76.2	0	10,682	
Mon	08/13/07	5 PM	11,054	76.6	0	11,054	
Tue	07/17/07	5 PM	11,095	76.9	0	11,095	
Thu	07/26/07	4 PM	10,956	77.4	0	10,956	
Fri	07/27/07	5 PM	11,007	77.8	225	11,232	(Fri)
Thu	08/09/07	3 PM	11,084	77.9	0	11,084	
Tue	07/31/07	5 PM	11,250	78.1	0	11,250	
Mon	07/30/07	4 PM	11,180	78.3	0	11,180	
Mon	08/06/07	5 PM	11,185	78.4	0	11,185	
Tue	08/07/07	2 PM	11,834	79.6	50	11,884	(NYPA)
Wed	08/01/07	5 PM	11,756	80.1	0	11,756	
Wed	07/11/07	4 PM	11,768	81.0	0	11,768	
Mon	07/09/07	5 PM	12,135	81.7	50	12,185	(NYPA)
Thu	08/02/07	5 PM	12,414	82.3	0	12,414	
Fri	08/03/07	3 PM	12,234	83.1	300	12,534	(Fri)(NYPA)
Wed	08/08/07	5 PM	12,807	83.2	0	12,807	
Tue	07/10/07	5 PM	12,478	83.5	50	12,528	(NYPA)

Regession Type: Linear
Days: all data points from 7/1 through 8/15 - 2007 and 2008
Special: Loads within TV range from 72 to 82 degrees
Load at Design: Using the mid-range growth rate of 1.1% would put us at 13,699 MW

Purpose: Gauge growth from year-to-year

	2008	2007		
72	9,547	9,549		
73	9,832	9,821		
74	10,118	10,094	24	0.2%
75	10,403	10,366	37	0.4%
76	10,688	10,638	50	0.5%
77	10,974	10,910	64	0.6%
78	11,259	11,183	77	0.7%
79	11,545	11,455	90	0.8%
80	11,830	11,727	103	0.9%
81	12,116	11,999	117	1.0%
82	12,401	12,272	130	1.1%

2007 Adjusted	Estimated Growth at 1.1%
13,550	149
	13,699

Regession Type: Second Order Polynomial
Days: all data points from 7/1 through 8/15
Special: Friday Dummy - High August 2007 Days - 1.1% GROWTH
Load At Design: 13,715 MW

Day	Date	Hour	Peak	NYPA PLM Adj	Pre-Hol	Adjusted Peak	TV	TVSQ	Fri
Tue	07/01/08	4:00 PM	10,834	0	0	10,834	76.4	5836.96	0
Wed	07/02/08	5:00 PM	10,441	0	0	10,441	74.6	5560.188	0
Thu	07/03/08	4:00 PM	10,766	0	0	10,766	77.6	6026.934	1
Mon	07/07/08	5:00 PM	10,953	0	0	10,953	76.1	5783.603	0
Tue	07/08/08	5:00 PM	11,757	0	0	11,757	79.7	6346.778	0
Wed	07/09/08	5:00 PM	11,468	0	0	11,468	78.6	6172.721	0
Thu	07/10/08	5:00 PM	10,547	0	0	10,547	75.9	5755.751	0
Fri	07/11/08	5:00 PM	10,446	0	0	10,446	75.6	5707.803	1
Mon	07/14/08	5:00 PM	10,329	0	0	10,329	74.9	5612.507	0
Tue	07/15/08	5:00 PM	10,820	0	0	10,820	76.2	5801.361	0
Wed	07/16/08	5:00 PM	11,272	0	0	11,272	77.5	6006.25	0
Thu	07/17/08	5:00 PM	11,614	0	0	11,614	79.3	6288.49	0
Fri	07/18/08	5:00 PM	12,115	50	0	12,165	81.8	6691.24	1
Mon	07/21/08	5:00 PM	12,090	50	0	12,140	81.2	6598.854	0
Tue	07/22/08	4:00 PM	11,630	0	0	11,630	79.3	6283.204	0
Wed	07/23/08	1:00 PM	10,916	0	0	10,916	77.5	6003.667	0
Thu	07/24/08	5:00 PM	10,599	0	0	10,599	75.9	5765.871	0
Fri	07/25/08	4:00 PM	10,232	0	0	10,232	75.1	5645.018	1
Mon	07/28/08	5:00 PM	10,559	0	0	10,559	75.9	5760.81	0
Tue	07/29/08	5:00 PM	11,202	0	0	11,202	77.4	5995.921	0
Wed	07/30/08	5:00 PM	11,206	0	0	11,206	77.8	6058.028	0
Thu	07/31/08	4:00 PM	11,639	0	0	11,639	79.1	6251.538	0
Fri	08/01/08	5:00 PM	11,201	0	0	11,201	78.7	6185.823	1
Mon	08/04/08	5:00 PM	10,323	0	0	10,323	74.9	5607.514	0
Tue	08/05/08	5:00 PM	10,655	0	0	10,655	75.7	5735.538	0
Wed	08/06/08	5:00 PM	10,987	0	0	10,987	77.1	5946.98	0
Thu	08/07/08	5:00 PM	10,595	0	0	10,595	75.8	5740.588	0
Fri	08/08/08	1:00 PM	9,748	0	0	9,748	72.2	5205.623	1
Mon	08/11/08	11:00 AM	8,858	0	0	8,858	68.7	4724.271	0
Tue	08/12/08	5:00 PM	9,136	0	0	9,136	70.8	5012.64	0
Wed	08/13/08	5:00 PM	9,541	0	0	9,541	72.3	5227.29	0
Thu	08/14/08	5:00 PM	9,962	0	0	9,962	74.2	5503.167	0
Fri	08/15/08	4:00 PM	9,501	0	0	9,501	73.6	5419.414	1
						12,538	82.3	6776.582	0
						12,634	83.1	6902.84	0
						12,935	83.2	6919.467	0

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.990473
R Square	0.9810368
Adjusted R Square	0.979259
Standard Error	136.3387
Observations	36

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	3	30772399	10257466	551.8256	1.27988E-27
Residual	32	594823.69	18588.24		
Total	35	31367223			

	Coefficients	*tandard Erro*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*ower 95.0%*	*Upper 95.0%*
Intercept	2776.2706	8921.0391	0.3112048	0.757663	-15395.29132	20947.83	-15395.3	20947.83
X Variable 1	-72.46723	232.67812	-0.311448	0.75748	-546.4170573	401.4826	-546.417	401.4826
X Variable 2	2.3216243	1.5158614	1.5315544	0.13546	-0.766084455	5.409333	-0.76608	5.409333
X Variable 3	-221.5944	57.599172	-3.84718	0.000537	-338.9200703	-104.269	-338.92	-104.269

Load at Design

13,715

Regr 1 - Linear Comparison between 2008 and 2007

Loads within TV range from 72 to 82 degrees
Identified a 1.1% growth rate
Using the mid-range growth rate of 1.1% applied to the 2007 adjusted peak of 13,550 MW would put us at 13,699 MW

Load at Design **13,699**

Regr 2 - Poly using data points from 2007 with a 1.1% growth factor

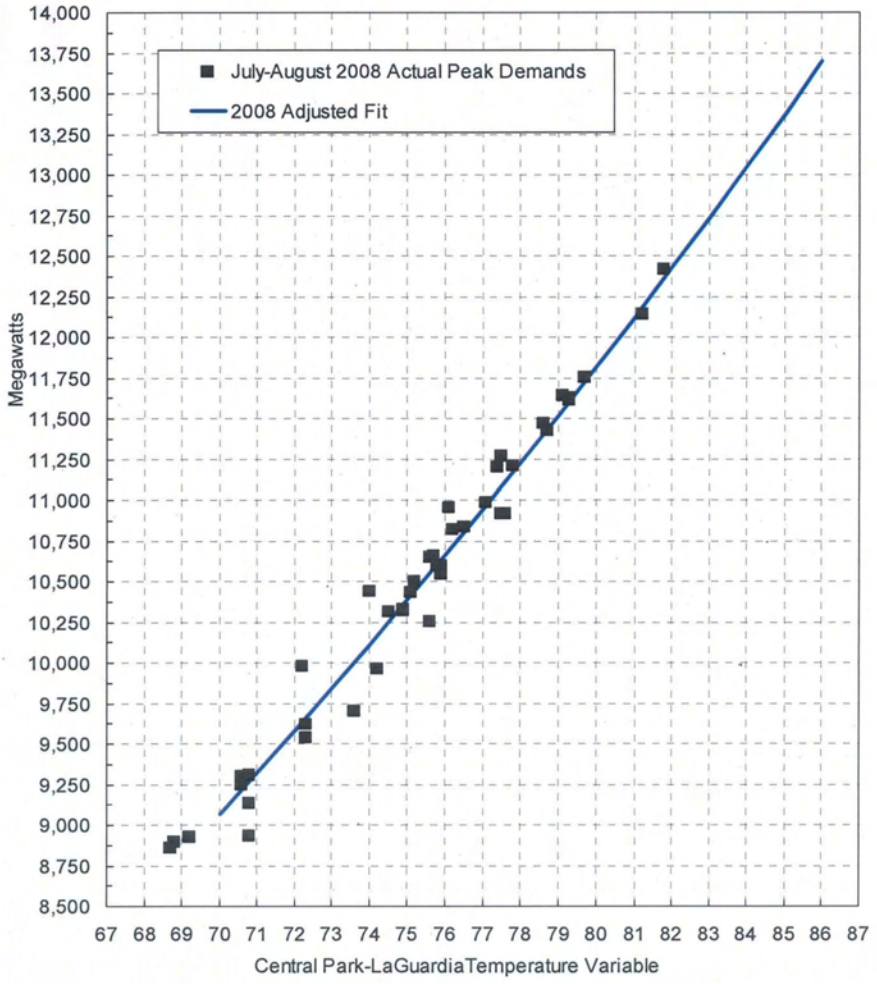
Intercept	2776.271
X Variable 1	-72.46723
X Variable 2	2.321624
Friday	-221.5944

Load at Design **13,715**

13,707 <===== **Average of 13,699 and 13,715**

suggest 13,700

CECONY Service Area
July-August 2008 Adjusted Peak Demand



Intercept	2761
X Variable	-72.4672
X Variable	2.321624

70	9,064.25
71	9,319.13
72	9,578.66
73	9,842.83
74	10,111.64
75	10,385.09
76	10,663.19
77	10,945.93
78	11,233.32
79	11,525.35
80	11,822.02
81	12,123.33
82	12,429.29
83	12,739.89
84	13,055.13
85	13,375.02
86	13,699.55

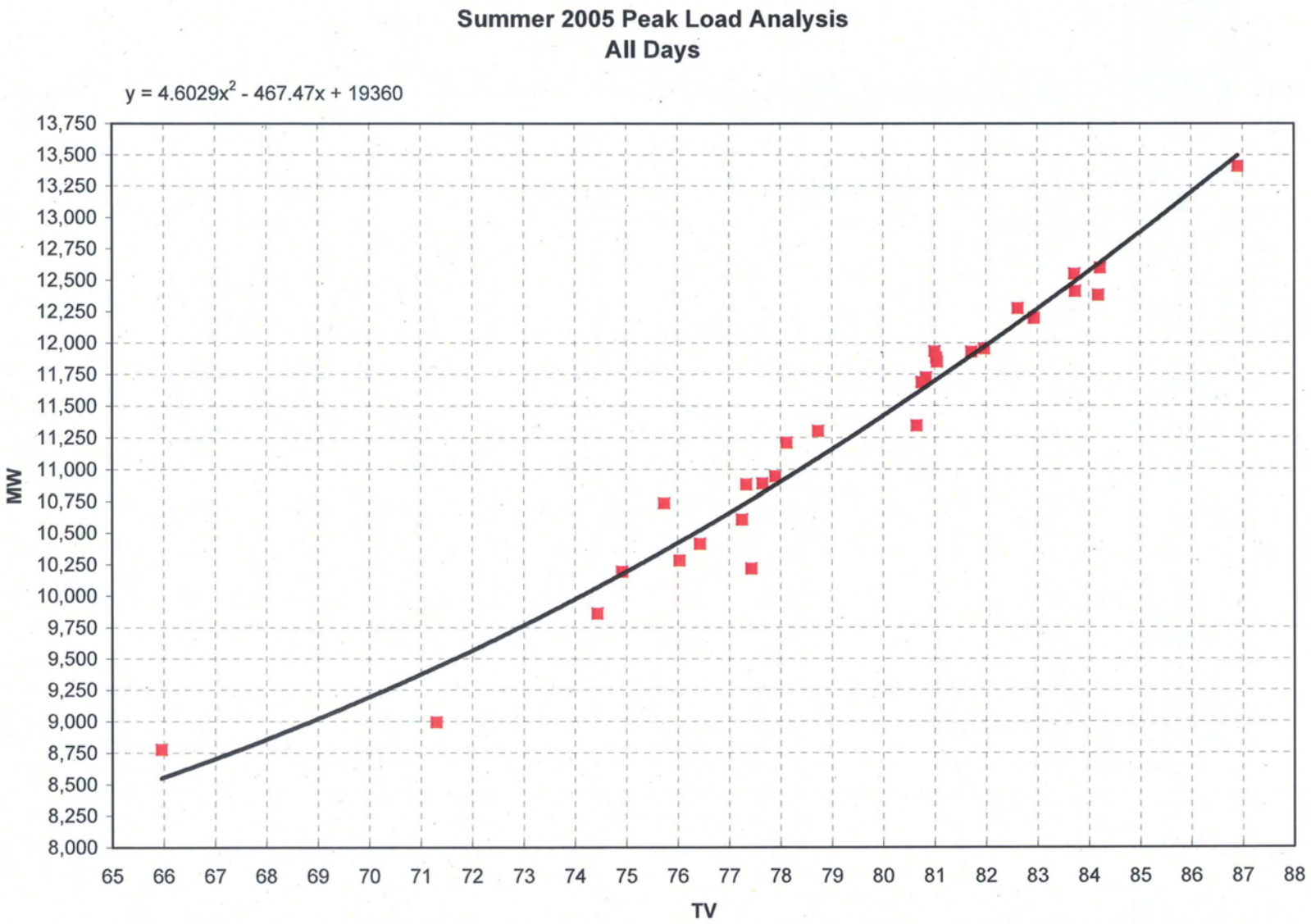
Company Name: Con Edison
Case Description: 2009 Electric Rate Filing
Case: 09-E-0428

Response to DPS Interrogatories – Set DPS45
Date of Response: 08/20/2009
Responding Witness: IIP

Question No. :443
Subject: Workpapers for Weather Adjusted Peak Load - As a follow-up to Con Edison's response to DPS-41.8, confirm that the attached workpapers showing the weather adjusted actual system peak load for 2005-2007, provided in response to DPS-548.4 in Case 08-E-0539, are accurate: DPS-443 – 08E0539 DPS548.4_2005 Adjusted Demands.xls DPS-443 – 08E0539 DPS548.4_2006 Adjusted Demands.xls DPS-443 – 08E0539 DPS548.4_2007 Adjusted Demands.xls

Response:
We believe that the workpapers referenced are accurate.

Day	Date	Time	Temp Variable	Actual Peak	Friday	NYPA PLM	Storm	EDRP-SCR	Revised Peak
Fri	07/08/05	1 PM	66.0	8,313	166		300		8,779
Thu	07/07/05	5 PM	71.3	8,994					8,994
Wed	07/13/05	5 PM	74.4	9,860					9,860
Tue	07/05/05	4 PM	74.9	10,193					10,193
Thu	07/14/05	5 PM	75.7	10,737					10,737
Tue	08/09/05	3 PM	76.0	10,280					10,280
Wed	07/06/05	5 PM	76.4	10,413					10,413
Fri	07/29/05	4 PM	77.3	10,398	208				10,606
Mon	08/08/05	2 PM	77.3	10,882					10,882
Thu	07/28/05	5 PM	77.4	10,216					10,216
Tue	07/12/05	3 PM	77.7	10,890					10,890
Mon	08/01/05	5 PM	77.9	10,945					10,945
Fri	07/15/05	5 PM	78.1	10,991	220				11,211
Wed	08/10/05	5 PM	78.7	11,302					11,302
Mon	07/11/05	5 PM	80.7	11,344					11,344
Thu	07/21/05	5 PM	80.8	11,636		50			11,686
Mon	07/25/05	5 PM	80.8	11,722					11,722
Fri	07/22/05	4 PM	81.0	11,698	234				11,932
Tue	08/02/05	5 PM	81.0	11,881					11,881
Wed	07/20/05	5 PM	81.1	11,798		50			11,848
Mon	07/18/05	4 PM	81.7	11,928					11,928
Thu	08/11/05	5 PM	82.0	11,955					11,955
Thu	08/04/05	5 PM	82.6	12,226		50			12,276
Wed	08/03/05	5 PM	82.9	12,197					12,197
Tue	07/26/05	5 PM	83.7	12,551					12,551
Tue	07/19/05	4 PM	83.7	12,361		50			12,411
Fri	08/12/05	4 PM	84.2	12,138	243				12,381
Fri	08/05/05	3 PM	84.2	12,303	246	50			12,599
Wed	07/27/05	5 PM	86.9	13,059				350	13,409


Summer 2005 Peak Load Analysis
All Days
y = 4.6029x2 - 467.47x + 19360
MW
TV
13,750
13,500
13,250
13,000
12,750
12,500
12,250
12,000
11,750
11,500
11,250
11,000
10,750
10,500
10,250
10,000
9,750
9,500
9,250
9,000
8,750
8,500
8,250
8,000
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88

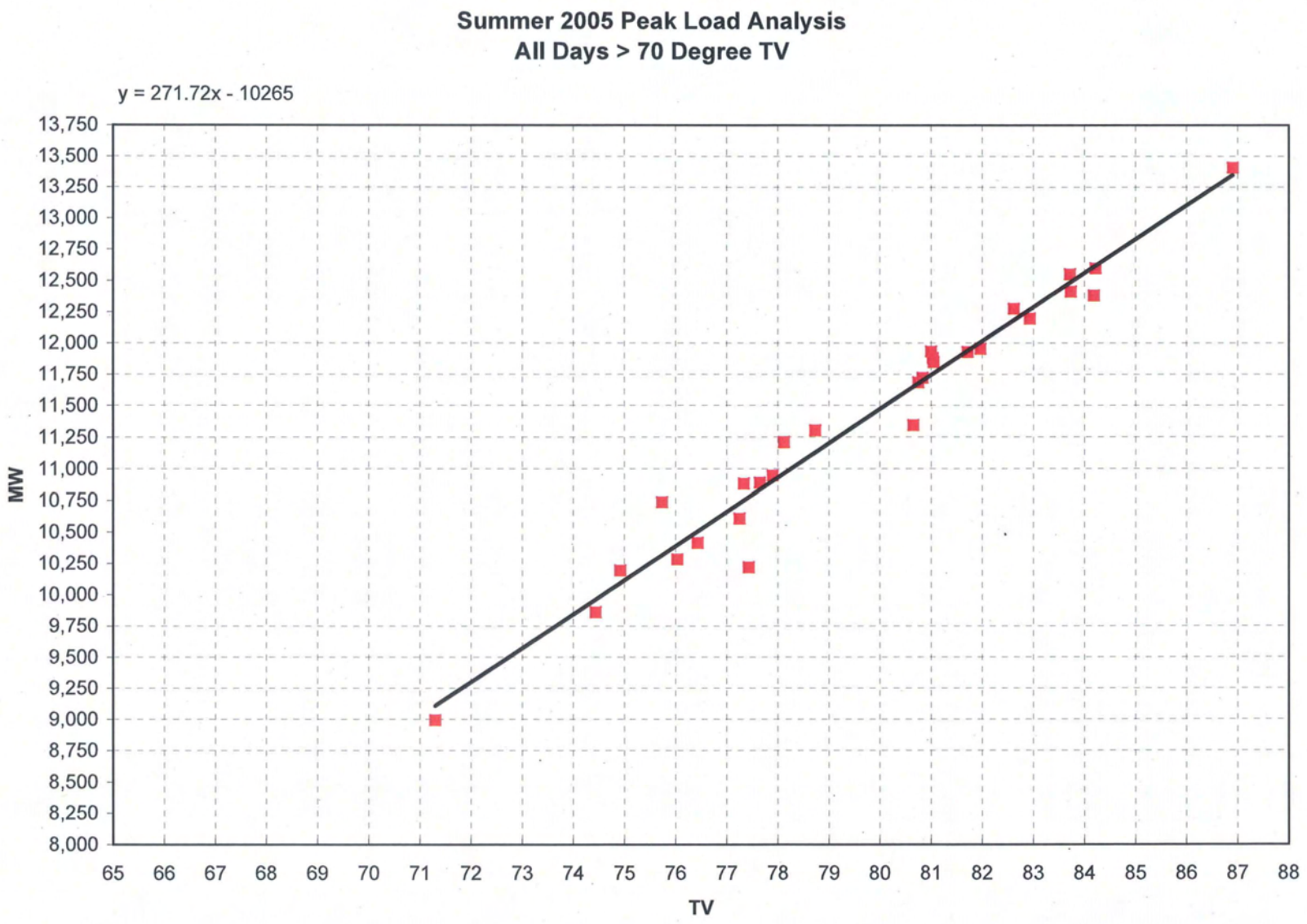
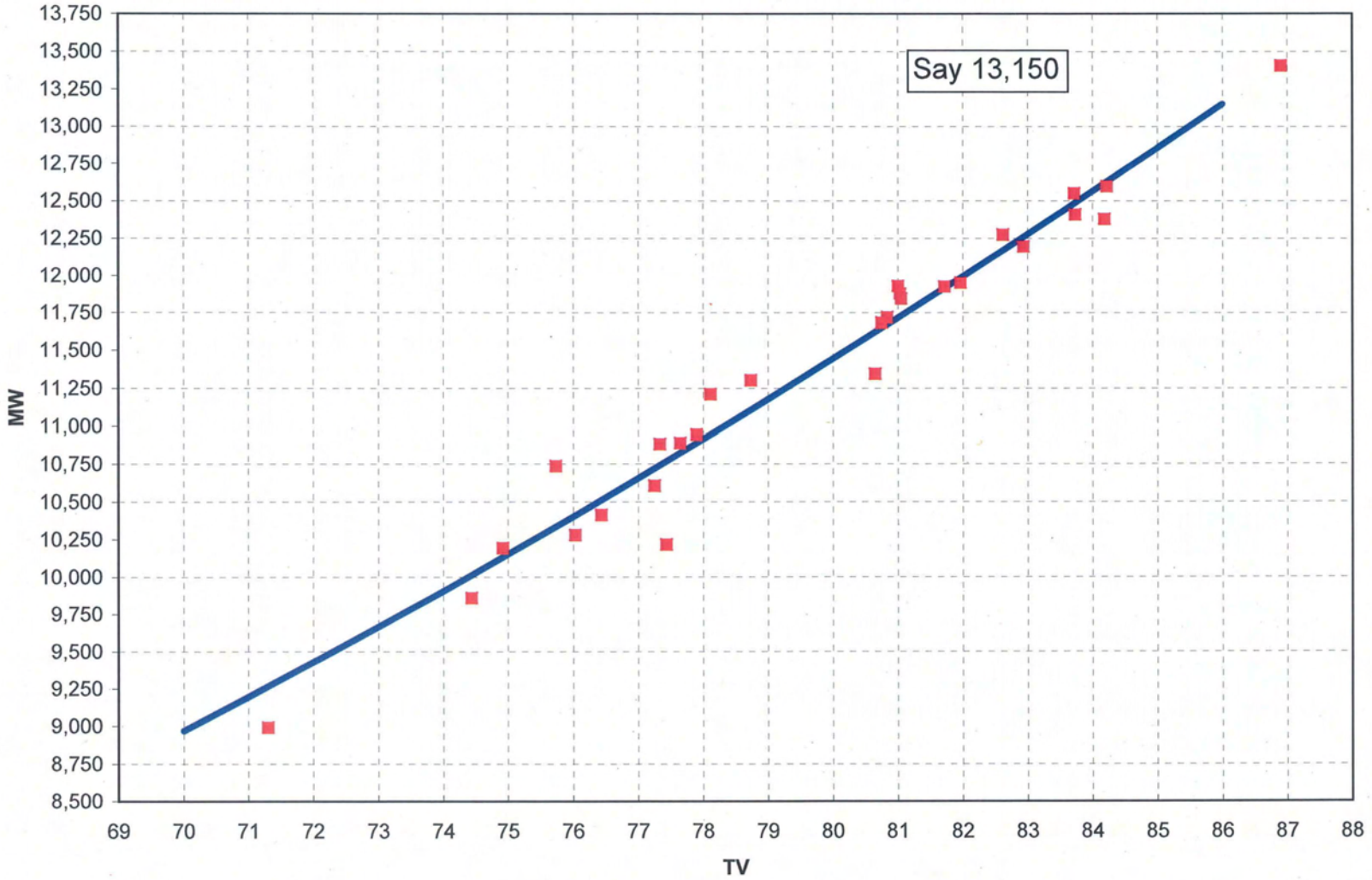

Summer 2005 Peak Load Analysis
All Days > 70 Degree TV
y = 271.72x - 10265
MW
TV
13,750
13,500
13,250
13,000
12,750
12,500
12,250
12,000
11,750
11,500
11,250
11,000
10,750
10,500
10,250
10,000
9,750
9,500
9,250
9,000
8,750
8,500
8,250
8,000
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88

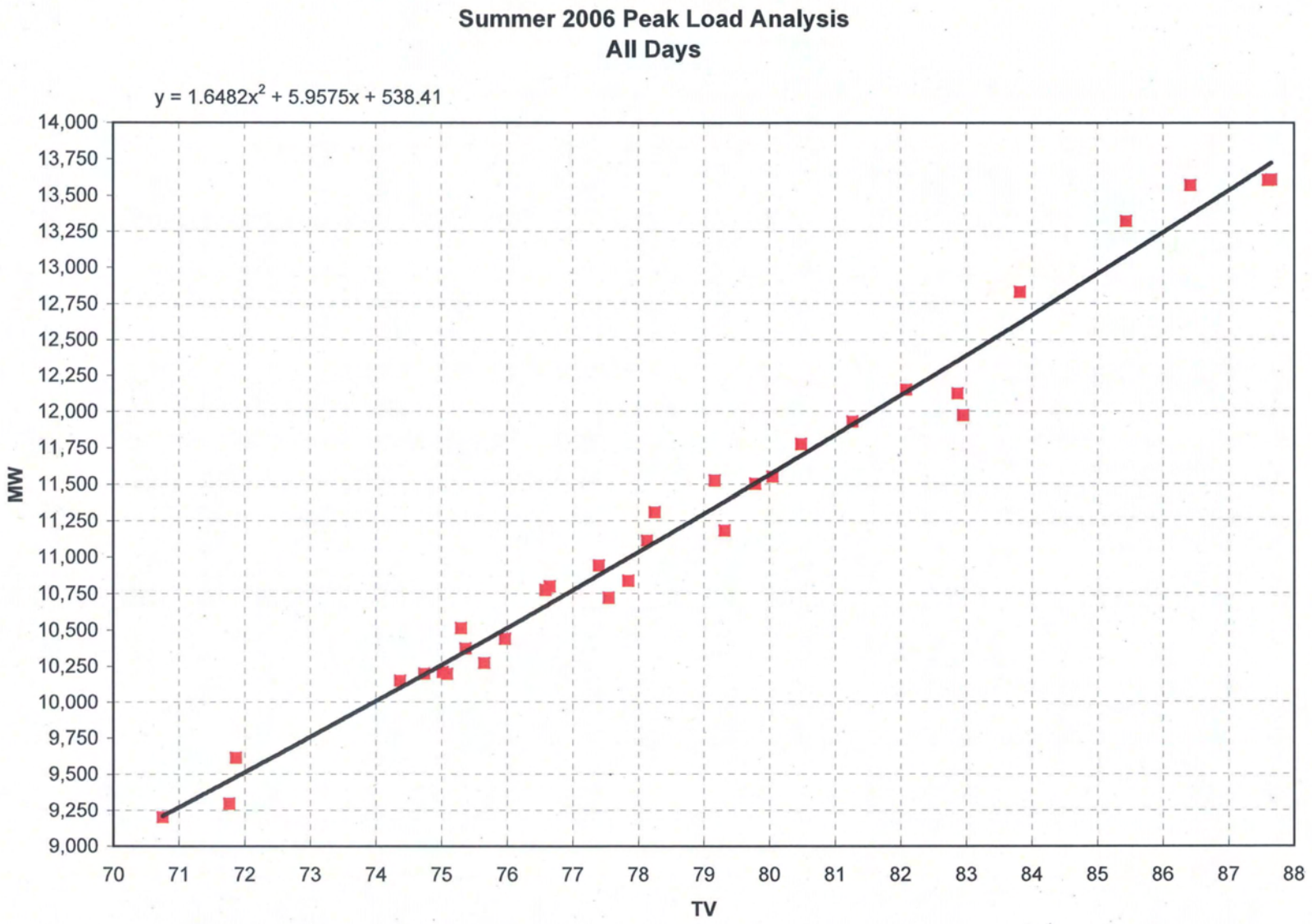
	Chart 1 y = 4.6029x2 - 467.47x + 19360	Chart 2 y = 271.72x - 10265	**Final Choice Average**
67	8,702		
68	8,856		
69	9,019		
70	9,191	8,755	8,973
71	9,373	9,027	9,200
72	9,564	9,299	9,431
73	9,764	9,571	9,667
74	9,973	9,842	9,907
75	10,191	10,114	10,153
76	10,419	10,386	10,402
77	10,655	10,657	10,656
78	10,901	10,929	10,915
79	11,157	11,201	11,179
80	11,421	11,473	11,447
81	11,695	11,744	11,719
82	11,977	12,016	11,997
83	12,269	12,288	12,279
84	12,571	12,559	12,565
85	12,881	12,831	12,856
86	13,201	13,103	13,152

Say
13,150

Summer 2005 Weather Adjustment



Day	Date	Time	Temp Variable	Actual Peak	NYPA PLM	Granite Hill Outage	LIC Outage	DLRP	EDRP-SCR	Friday	East Side Appeals	City-Wide Appeals	Revised Peak
Fri	08/11/06	4 PM	70.8	9,022						180			9,202
Thu	07/06/06	5 PM	71.8	9,297									9,297
Fri	07/07/06	5 PM	71.9	9,425						189			9,614
Tue	08/15/06	5 PM	74.4	10,149									10,149
Mon	08/14/06	5 PM	74.7	10,199									10,199
Thu	08/17/06	5 PM	75.0	10,209									10,209
Wed	08/09/06	5 PM	75.1	10,197									10,197
Mon	07/24/06	5 PM	75.3	10,489			25						10,514
Wed	08/16/06	5 PM	75.4	10,373									10,373
Wed	07/05/06	4 PM	75.7	10,272									10,272
Thu	08/10/06	2 PM	76.0	10,439									10,439
Mon	07/10/06	5 PM	76.6	10,775									10,775
Tue	07/25/06	2 PM	76.7	10,773			25						10,798
Tue	08/08/06	5 PM	77.4	10,941									10,941
Thu	07/20/06	5 PM	77.6	10,606			115						10,721
Thu	07/13/06	5 PM	77.9	10,836									10,836
Fri	07/14/06	4 PM	78.1	10,894						218			11,112
Wed	07/26/06	4 PM	78.3	11,285			25						11,310
Fri	07/21/06	3 PM	79.2	11,215			85			224			11,524
Wed	07/12/06	2 PM	79.3	11,182									11,182
Mon	08/07/06	5 PM	79.8	11,502									11,502
Tue	07/11/06	5 PM	80.1	11,551									11,551
Wed	07/19/06	5 PM	80.5	11,206	8		160		400				11,774
Thu	07/27/06	5 PM	81.3	11,905			25						11,930
Mon	07/31/06	5 PM	82.1	12,125			25						12,150
Fri	08/04/06	1 PM	82.9	11,863			25			237			12,125
Fri	07/28/06	4 PM	83.0	11,713			25			234			11,972
Mon	07/17/06	6 PM	83.8	12,760	45	25							12,830
Tue	07/18/06	5 PM	85.4	12,829	8		85		400				13,322
Tue	08/01/06	5 PM	86.4	13,103	8		25	35	400				13,571
Thu	08/03/06	4 PM	87.6	12,987	8		25	35	400		75	75	13,605
Wed	08/02/06	5 PM	87.7	13,141	8		25	35	400				13,609


Summer 2006 Peak Load Analysis
All Days
y = 1.6482x2 + 5.9575x + 538.41
MW
TV
14,000
13,750
13,500
13,250
13,000
12,750
12,500
12,250
12,000
11,750
11,500
11,250
11,000
10,750
10,500
10,250
10,000
9,750
9,500
9,250
9,000
70
71
72
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88

Summer 2006 Peak Load Analysis
All Days less than 87 Degree TV

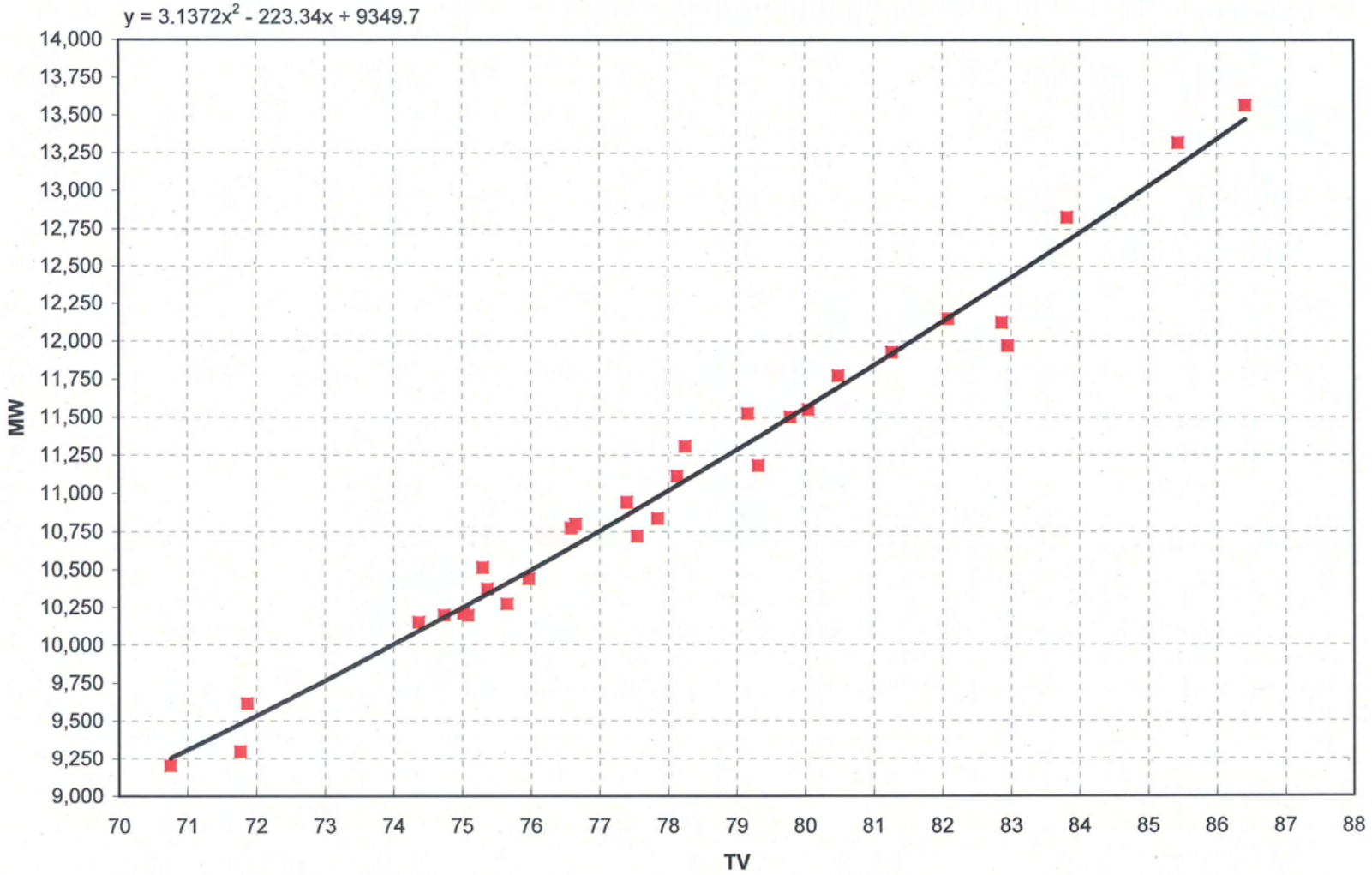
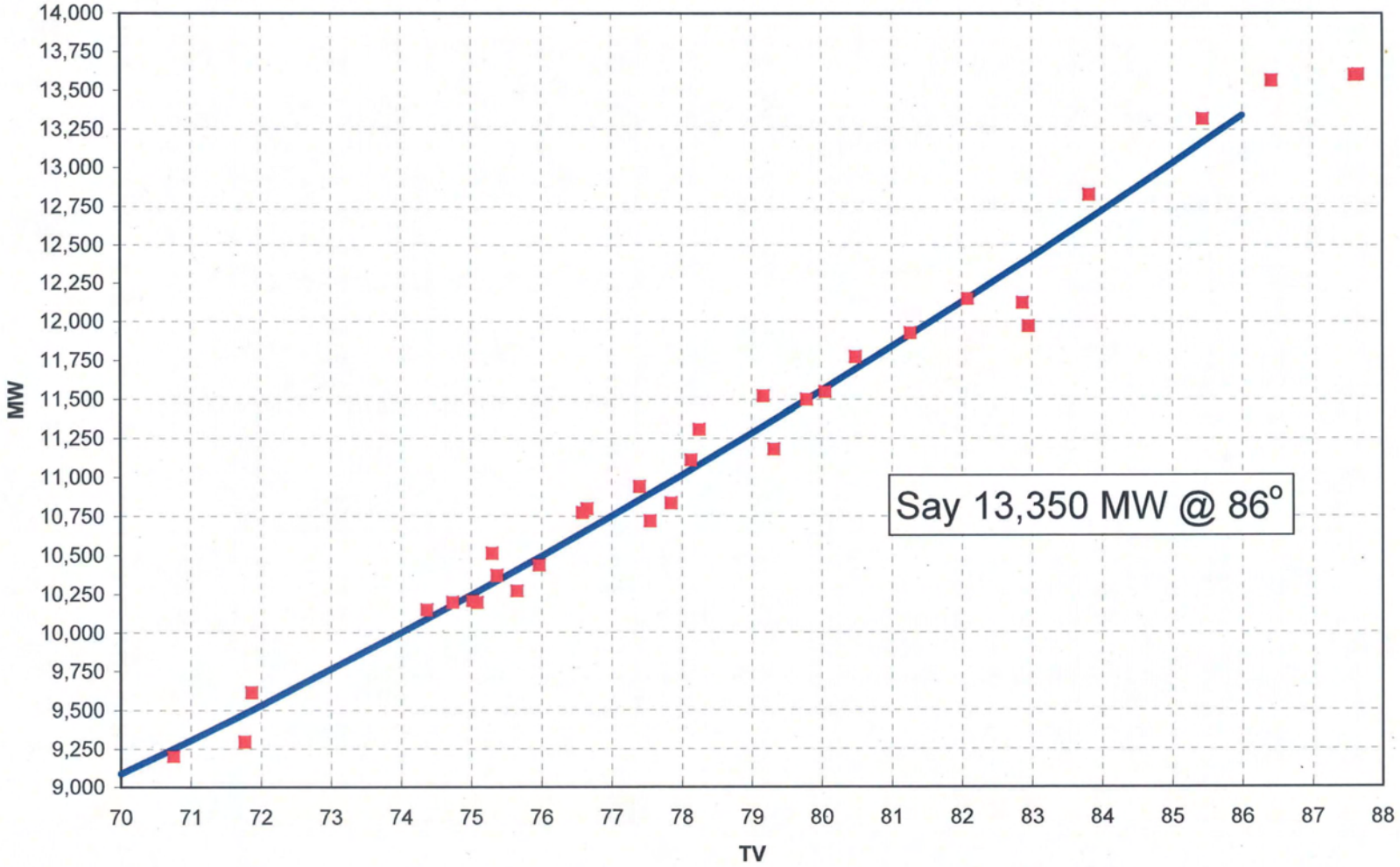


Chart2
y = 3.1372x2 - 223.34x + 9349.7
13345.19

70	9,088
71	9,307
72	9,532
73	9,764
74	10,002
75	10,246
76	10,496
77	10,753
78	11,016
79	11,285
80	11,561
81	11,842
82	12,130
83	12,425
84	12,725
85	13,032
86	13,345

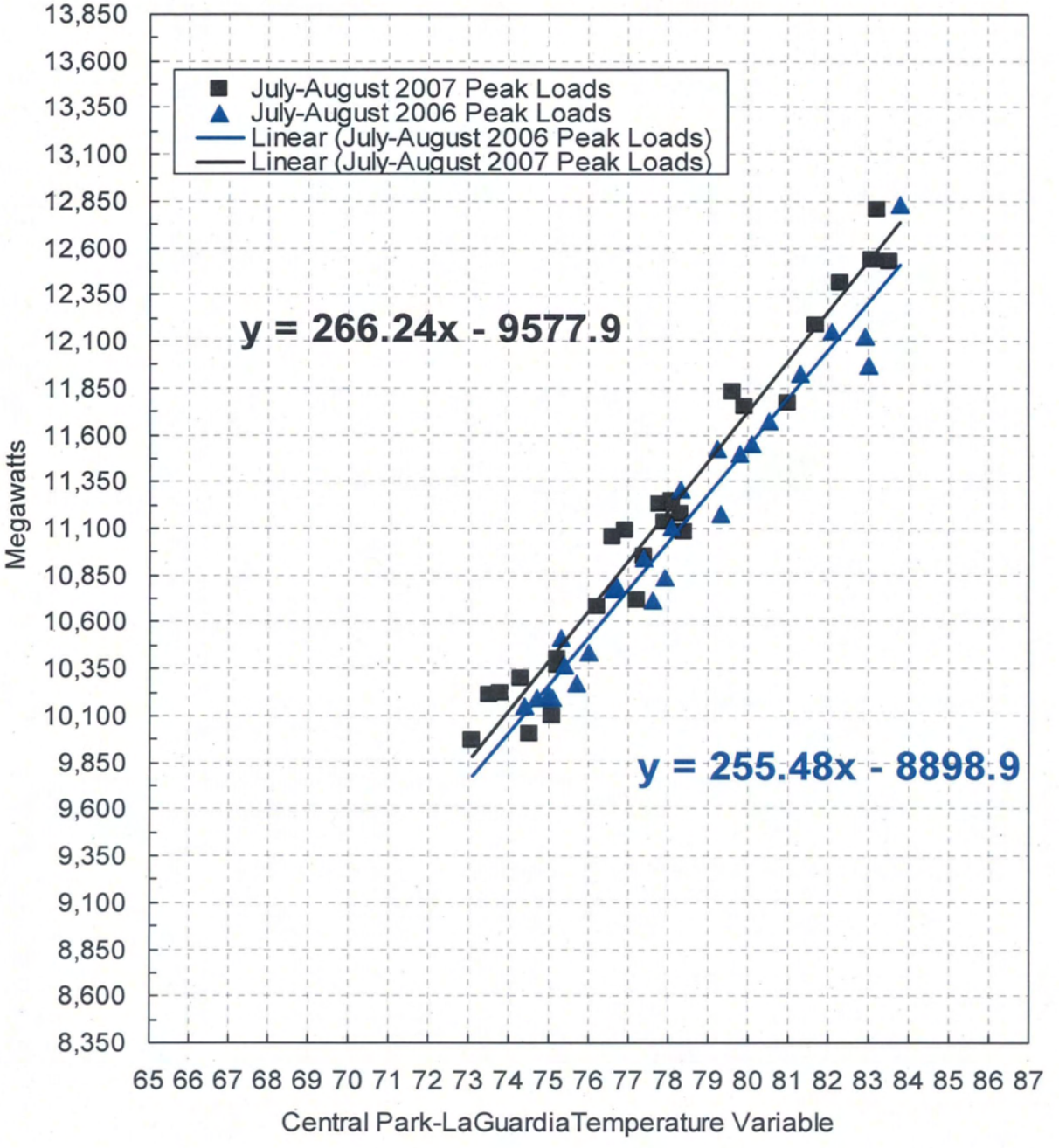
Say
13,350

Summer 2006 Weather Adjustment



Day	Date	Time	Temp Variable	Revised Peak
Fri	08/11/06	4 PM	70.8	9,202
Thu	07/06/06	5 PM	71.8	9,297
Fri	07/07/06	5 PM	71.9	9,614
Tue	08/15/06	5 PM	74.4	10,149
Mon	08/14/06	5 PM	74.7	10,199
Thu	08/17/06	5 PM	75.0	10,209
Wed	08/09/06	5 PM	75.1	10,197
Mon	07/24/06	5 PM	75.3	10,514
Wed	08/16/06	5 PM	75.4	10,373
Wed	07/05/06	4 PM	75.7	10,272
Thu	08/10/06	2 PM	76.0	10,439
Mon	07/10/06	5 PM	76.6	10,775
Tue	07/25/06	2 PM	76.7	10,798
Tue	08/08/06	5 PM	77.4	10,941
Thu	07/20/06	5 PM	77.6	10,721
Thu	07/13/06	5 PM	77.9	10,836
Fri	07/14/06	4 PM	78.1	11,112
Wed	07/26/06	4 PM	78.3	11,310
Fri	07/21/06	3 PM	79.2	11,524
Wed	07/12/06	2 PM	79.3	11,182
Mon	08/07/06	5 PM	79.8	11,502
Tue	07/11/06	5 PM	80.1	11,551
Wed	07/19/06	5 PM	80.5	11,674
Thu	07/27/06	5 PM	81.3	11,930
Mon	07/31/06	5 PM	82.1	12,150
Fri	08/04/06	1 PM	82.9	12,125
Fri	07/28/06	4 PM	83.0	11,972
Mon	07/17/06	6 PM	83.8	12,830
Tue	07/18/06	5 PM	85.4	13,222
Tue	08/01/06	5 PM	86.4	13,471
Thu	08/03/06	4 PM	87.6	13,505
Wed	08/02/06	5 PM	87.7	13,509

CECONY Service Area



Consolidated Edison of New York, Inc.

Service Area Daily Peak Loads and Adjustments - July 2007

Conventional Model

					Temperature Variable Calculation				Light Variable		Projected Load					Actual vs.	
			Peak		Current	Prior 1	Prior 2	Temp	(Footcandles)		Adjustments					Projected	
Day	Date	Time	(MW)		Temp	Temp	Temp	Variable	Daily	Peak	Base	Light	Other		Net	Delta	Remarks
Sun	07/01/07	10 PM	6,894		65.5	70.5	70.7	67.0	53	5,906	8,475	0	(1,700)	(Sun)	6,775	119	**June 2007 Peak Load Model**
Mon	07/02/07	5 PM	8,448		65.7	65.5	70.5	66.1	59	6,665	8,575	0	(150)	(pre-hol)	8,425	23	**July-August 2007 Peak Load Model**
Tue	07/03/07	4 PM	8,779		69.8	65.7	65.5	68.6	60	7,746	8,900	0	(150)	(pre-hol)	8,750	29	
Wed	07/04/07	1 PM	6,903		67.7	69.8	65.7	67.9	18	2,208	8,800	200	(1,675)	(Jul 4th)	7,325	(422)	**July 4th**
Thu	07/05/07	5 PM	9,660		74.8	67.7	69.8	72.9	32	3,963	9,650	0	0		9,650	10	
Fri	07/06/07	4 PM	9,805		75.3	74.8	67.7	74.5	58	6,962	10,000	0	(200)	(Fri)	9,800	5	
Sat	07/07/07	4 PM	8,568		75.5	75.3	74.8	75.4	53	6,505	10,225	0	(1,750)	(Sat)	8,475	93	
Sun	07/08/07	10 PM	9,629		80.0	75.5	75.3	78.6	59	7,360	11,200	0	(2,025)	(Sun)	9,175	454	
Mon	07/09/07	5 PM	12,135		83.0	80.0	75.5	81.7	65	5,794	12,000	0	(50)	(NYPA)	11,950	185	**NYPA PLM Program**
Tue	07/10/07	5 PM	12,478	(H)	84.2	83.0	80.0	83.5	53	6,942	12,650	0	(50)	(NYPA)	12,600	(122)	**NYPA PLM Program**
Wed	07/11/07	4 PM	11,768		79.8	84.2	83.0	81.0	40	5,167	11,800	0	0		11,800	(32)	
Thu	07/12/07	5 PM	10,101		72.5	79.8	84.2	75.1	65	7,632	10,150	0	0		10,150	(49)	
Fri	07/13/07	2 PM	10,023		73.3	72.5	79.8	73.8	41	4,741	9,850	0	(200)	(Fri)	9,650	373	
Sat	07/14/07	4 PM	8,580		74.3	73.3	72.5	74.0	63	7,728	9,875	0	(1,675)	(Sat)	8,200	380	
Sun	07/15/07	10 PM	9,542		80.5	74.3	73.3	78.6	55	7,089	11,175	0	(2,000)	(Sun)	9,175	367	
Mon	07/16/07	5 PM	10,300		72.5	80.5	74.3	74.3	40	5,613	9,950	0	0		9,950	350	
Tue	07/17/07	5 PM	11,095		77.7	72.5	80.5	76.9	50	4,794	10,600	0	0		10,600	495	
Wed	07/18/07	5 PM	10,508		74.8	77.7	72.5	75.2	20	2,678	10,175	100	0		10,275	233	**Steam Incident in evening**
Thu	07/19/07	5 PM	10,828		77.8	74.8	77.7	77.2	31	2,013	10,700	200	(75)	(EDRP-SCR)	10,825	3	**Steam Incident, partial EDRP-SCR event**
Fri	07/20/07	12 PM	9,988		72.0	77.8	74.8	73.5	57	7,025	9,775	0	(220)	(Fri)	9,555	433	**Steam Incident**
Sat	07/21/07	4 PM	7,996		72.2	72.0	77.8	72.7	62	7,375	9,625	0	(1,625)	(Sat)	8,000	(4)	
Sun	07/22/07	6 PM	7,980		73.2	72.2	72.0	72.9	62	7,885	9,650	0	(1,725)	(Sun)	7,925	55	
Mon	07/23/07	5 PM	9,072		70.5	73.2	72.2	71.2	7	936	9,325	300	0		9,625	(553)	
Tue	07/24/07	5 PM	9,521		73.7	70.5	73.2	73.0	57	7,176	9,675	0	0		9,675	(154)	
Wed	07/25/07	5 PM	10,373		76.3	73.7	70.5	75.2	59	7,275	10,175	0	0		10,175	198	
Thu	07/26/07	4 PM	10,956		78.2	76.3	73.7	77.4	54	7,373	10,725	0	0		10,725	231	
Fri	07/27/07	5 PM	11,007		77.8	78.2	76.3	77.8	50	7,056	10,825	0	(225)	(Fri)	10,600	407	
Sat	07/28/07	5 PM	9,791		79.5	77.8	78.2	79.0	47	6,909	11,200	0	(1,900)	(Sat)	9,300	491	
Sun	07/29/07	1 PM	9,023		76.3	79.5	77.8	77.1	19	487	10,650	300	(1,925)	(Sun)	9,025	(2)	
Mon	07/30/07	4 PM	11,180		78.7	76.3	79.5	78.3	37	4,472	10,975	0	0		10,975	205	
Tue	07/31/07	5 PM	11,250		78.2	78.7	76.3	78.1	57	6,325	10,925	0	0		10,925	325	

Notes: Current and Prior Day effective temperatures are calculated using the three consecutive hours of wet/dry bulb temperatures, occurring between 9 AM and 9 PM, yielding the highest wet/dry average.

Temperature Variable is equivalent to the summation of 70% of the Current Day Temp and 20% of the Prior1 Day Temp and 10% of the Prior2 Day Temp.

Actual peak light is calculated using the footcandle values for the hours in and around the peak load.

(H) High peak for the month

Adjs:

Consolidated Edison of New York, Inc.

Service Area Daily Peak Loads and Adjustments - August 2007

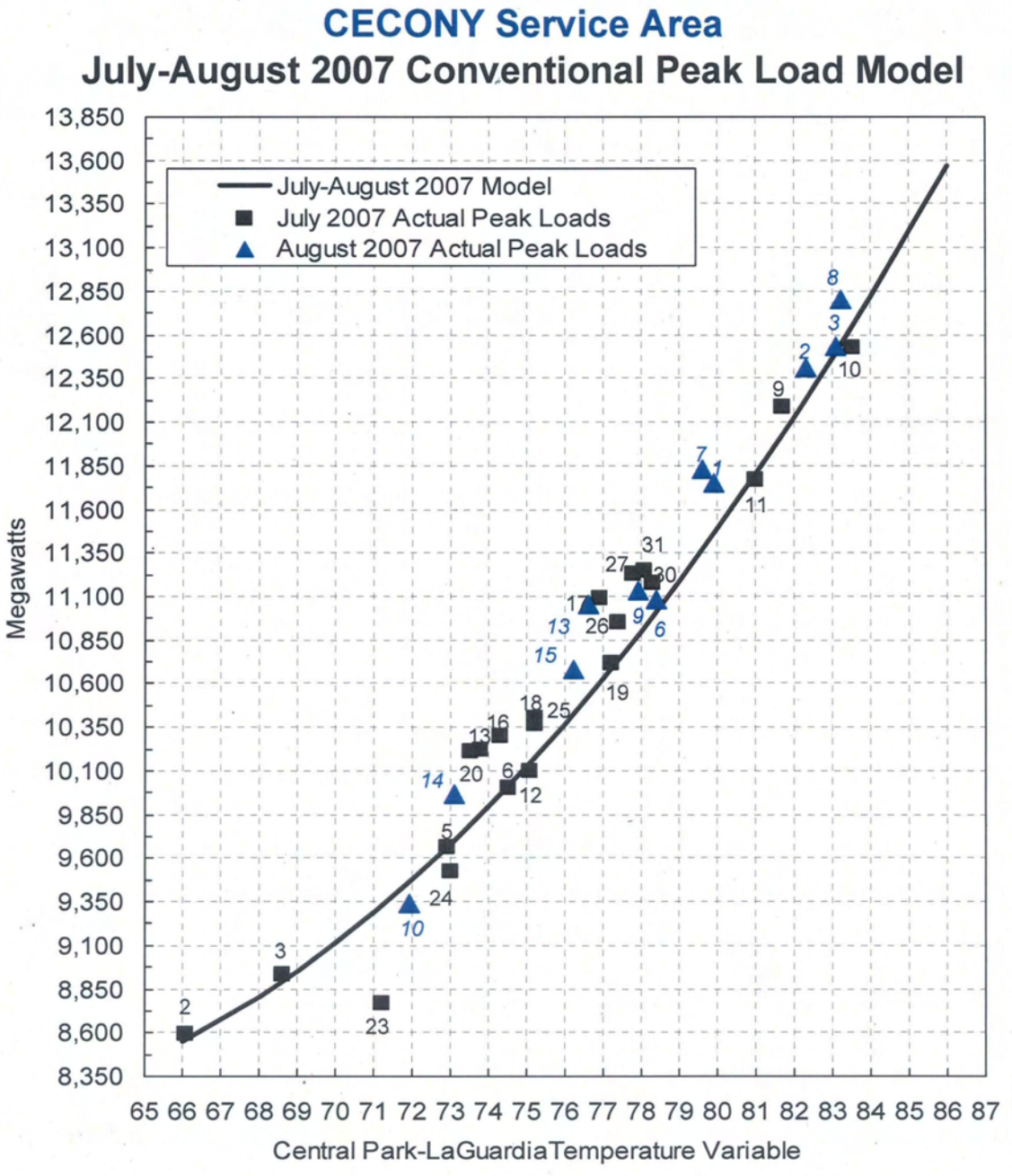
Conventional Model

					Temperature Variable Calculation				Light Variable		Projected Load					Actual vs.	
			Peak		Current	Prior 1	Prior 2	Temp	(Footcandles)		Adjustments					Projected	
Day	Date	Time	(MW)		Temp	Temp	Temp	Variable	Daily	Peak	Base	Light	Other		Net	Delta	Remarks
Wed	08/01/07	5 PM	11,756		80.8	78.2	78.7	80.1	58	7,377	11,525	0	0		11,525	231	
Thu	08/02/07	5 PM	12,414		83.3	80.8	78.2	82.3	55	6,789	12,225	0	0		12,225	189	
Fri	08/03/07	3 PM	12,234		83.3	83.3	80.8	83.1	47	6,593	12,500	0	(300)	(Fri)(NYPA)	12,200	34	NYPA PLM
Sat	08/04/07	5 PM	10,347		81.2	83.3	83.3	81.8	53	6,571	12,075	0	(2,050)	(Sat)	10,025	322	
Sun	08/05/07	5 PM	8,673		73.8	81.2	83.3	76.3	58	7,360	10,425	0	(1,875)	(Sun)	8,550	123	
Mon	08/06/07	5 PM	11,185		79.3	73.8	81.2	78.4	22	3,328	11,025	100	0		11,125	60	
Tue	08/07/07	2 PM	11,834		80.5	79.3	73.8	79.6	37	4,469	11,375	0	(50)	(NYPA)	11,325	509	NYPA PLM
Wed	08/08/07	5 PM	12,807	(H)	84.5	80.5	79.3	83.2	45	5,721	12,525	0	0		12,525	282	
Thu	08/09/07	3 PM	11,084		75.7	84.5	80.5	77.9	46	6,020	10,875	0	0		10,875	209	
Fri	08/10/07	11 AM	9,444		69.0	75.7	84.5	71.9	7	1,062	9,450	300	(200)	(Fri)	9,550	(106)	
Sat	08/11/07	5 PM	7,816		72.7	69.0	75.7	72.2	58	7,292	9,525	0	(1,625)	(Sat)	7,900	(84)	
Sun	08/12/07	6 PM	8,766		77.8	72.7	69.0	75.9	56	7,140	10,350	0	(1,875)	(Sun)	8,475	291	
Mon	08/13/07	5 PM	11,054		76.8	77.8	72.7	76.6	51	6,244	10,525	0	0		10,525	529	
Tue	08/14/07	5 PM	9,967		71.3	76.8	77.8	73.1	55	7,138	9,700	0	0		9,700	267	
Wed	08/15/07	5 PM	10,682		77.5	71.3	76.8	76.2	47	6,068	10,425	0	0		10,425	257	

Notes: Current and Prior Day effective temperatures are calculated using the three consecutive hours of wet/dry bulb temperatures, occurring between 9 AM and 9 PM, yielding the highest wet/dry average.
Temperature Variable is equivalent to the summation of 70% of the Current Day Temp and 20% of the Prior1 Day Temp and 10% of the Prior2 Day Temp.
Actual peak light is calculated using the footcandle values for the hours in and around the peak load.

(H) High peak for the month

Adjs: *(S) System Operator Adjustment*


CECONY Service Area
July-August 2007 Conventional Peak Load Model
July-August 2007 Model
July 2007 Actual Peak Loads
August 2007 Actual Peak Loads
Megawatts
13,850
13,600
13,350
13,100
12,850
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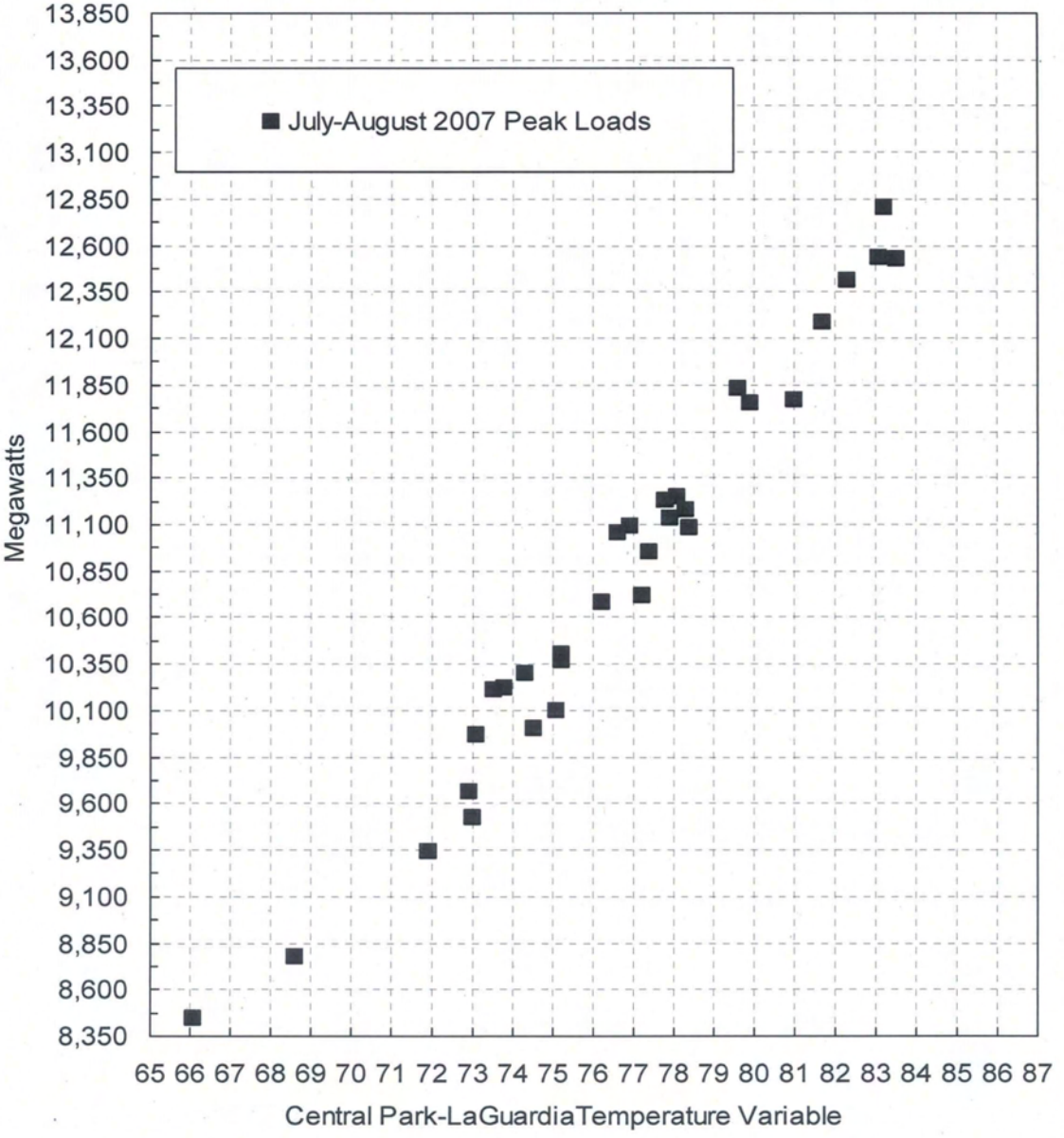
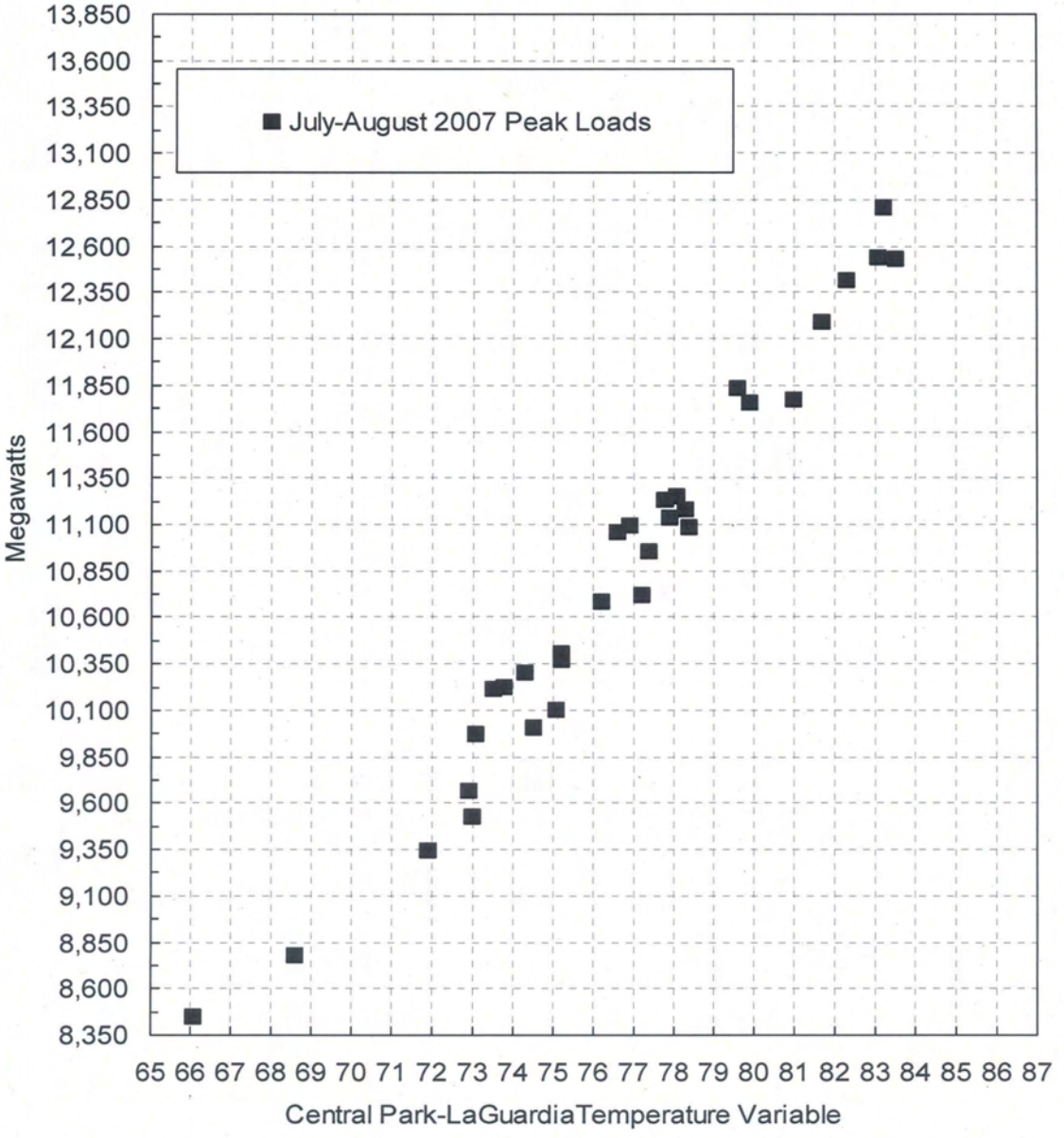
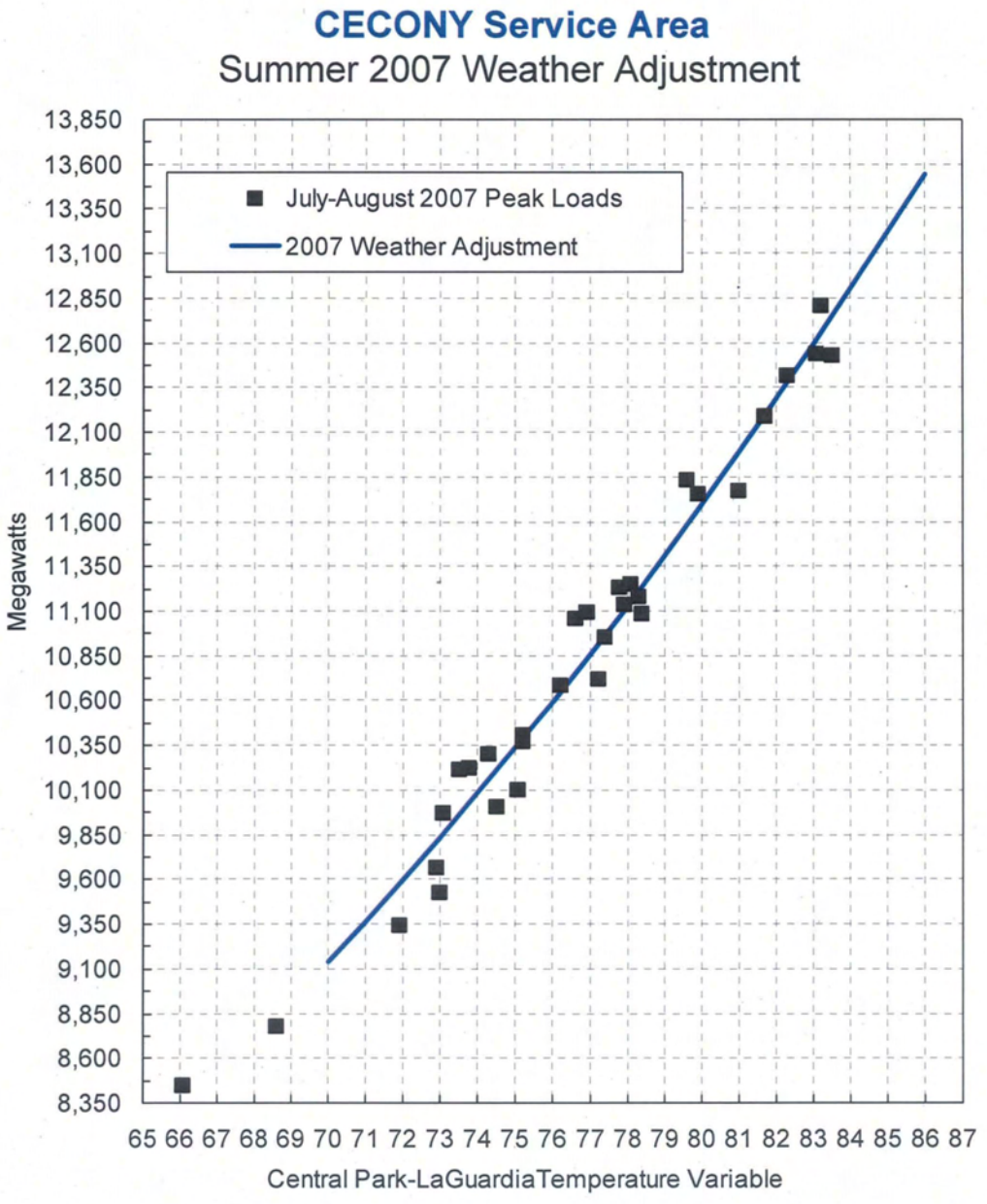
Central Park-LaGuardiaTemperature Variable

CECONY Service Area
July-August 2007 Conventional Peak Load Model



CECONY Service Area
July-August 2007 Conventional Peak Load Model




CECONY Service Area
Summer 2007 Weather Adjustment
July-August 2007 Peak Loads
2007 Weather Adjustment
Megawatts
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8,850
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8,350
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87
Central Park-LaGuardiaTemperature Variable

July 23rd removed
Two high days from 2006 near 86 degrees added - with 1.46% growth rate

		OBS	TV	TVSQ	Load
70	9138	1	66.1	4369.21	8,448
71	9365	2	68.6	4705.96	8,779
72	9599	3	71.9	5169.61	9,344
73	9840	4	72.9	5314.41	9,660
74	10087	5	73.0	5329	9,521
75	10340	6	73.1	5343.61	9,967
76	10600	7	73.5	5402.25	10,208
77	10866	8	73.8	5446.44	10,223
78	11138	9	74.3	5520.49	10,300
79	11417	10	74.5	5550.25	10,005
80	11702	11	75.1	5640.01	10,101
81	11993	12	75.2	5655.04	10,408
82	12291	13	75.2	5655.04	10,373
83	12595	14	76.2	5806.44	10,682
84	12906	15	76.6	5867.56	11,054
85	13223	16	76.9	5913.61	11,095
86	13546	17	77.2	5959.84	10,713
		18	77.4	5990.76	10,956
		19	77.8	6052.84	11,232
Say		20	77.9	6068.41	11,134
13,550 MW		21	78.1	6099.61	11,250
		22	78.3	6130.89	11,180
		23	78.4	6146.56	11,085
		24	79.6	6336.16	11,834
		25	79.9	6384.01	11,756
		26	81.0	6561	11,768
		27	81.7	6674.89	12,185
		28	82.3	6773.29	12,414
		29	83.1	6905.61	12,534
		30	83.2	6922.24	12,807
		31	83.5	6972.25	12,528
		32	85.4	7293.16	13,415
		33	86.4	7464.96	13,668

Data Points from 2006

Date	TV	Load	Mitagation Est.	Rebuilt Load	th 1.46% growth
7/18/2006	85.4	12,829	393	13,222	13,415
8/2/2006	86.4	13,103	368	13,471	13,668

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.9909758
R Square	0.9820329
Adjusted R	0.9808351
Standard E	173.09933
Observatio	33

ANOVA

	df	*SS*	*MS*	*F*	*ignificance F*
Regressior	2	49131623	24565811	819.8612	6.56E-27
Residual	30	898901.3	29963.38		
Total	32	50030524			

	Coefficients	*tandard Er*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*ower 95.0%*	*Upper 95.0%*
Intercept	9052.6755	6344.176	1.426927	0.163927	-3903.86	22009.21	-3903.86	22009.21195
X Variable	-222.0776	164.8748	-1.34695	0.188085	-558.797	114.6415	-558.797	114.6415328
X Variable	3.1898856	1.06931	2.983124	0.005623	1.006063	5.373709	1.006063	5.373708612

13,546

Estimated Load at Design of 86 Degree TV

Company Name: Con Edison
Case Description: 2009 Electric Rate Filing
Case: 09-E-0428

Response to DPS Interrogatories – Set DPS7
Date of Response: 06/23/2009
Responding Witness:

Question No. :47.16R1
Subject: Electric Sales Volume Forecast - Based on the same historical data that Con Edison used to develop the weather variables over the last 10 years (1999-2008), provide in electronic format: (1) The simple mathematical average daily HDD and CDD, without any adjustment; (2) The corresponding revised forecasts for all the weather variables; (3) The impact to Con Edison's sales volume forecasts of using the revised weather forecasts

Response:

(1) See attached file, DPS7-47_16_revised.xls.

(2) & (3) This would require a study that the Company is not otherwise required to perform.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
CASE 09-E-0428
Staff IR Set 07 - DPS-47 - Question 16

Daily Degree Days - Average Over 10 Years Ended 2008

	HDD	CDD						
			Mar 3	21.5	0.0	May 5	2.9	2.7
			Mar 4	24.4	0.0	May 6	4.3	1.9
Jan 1	23.5	0.0	Mar 5	23.7	0.0	May 7	3.8	3.6
Jan 2	26.5	0.0	Mar 6	24.1	0.0	May 8	3.9	2.8
Jan 3	23.6	0.0	Mar 7	23.6	0.0	May 9	3.4	3.5
Jan 4	23.6	0.0	Mar 8	24.3	0.0	May 10	1.7	2.4
Jan 5	24.5	0.0	Mar 9	23.8	0.0	May 11	2.1	3.4
Jan 6	24.3	0.3	Mar 10	22.4	0.0	May 12	2.3	3.3
Jan 7	26.0	0.0	Mar 11	22.0	0.0	May 13	3.7	1.5
Jan 8	24.6	0.0	Mar 12	20.6	0.0	May 14	3.5	0.5
Jan 9	23.1	0.0	Mar 13	20.2	0.0	May 15	2.3	2.8
Jan 10	26.1	0.0	Mar 14	18.4	0.0	May 16	3.1	2.6
Jan 11	26.2	0.0	Mar 15	16.5	0.0	May 17	2.3	1.4
Jan 12	22.0	0.0	Mar 16	18.4	0.0	May 18	4.4	2.5
Jan 13	22.4	0.0	Mar 17	21.6	0.0	May 19	4.6	2.0
Jan 14	29.4	0.0	Mar 18	21.9	0.0	May 20	5.2	0.7
Jan 15	32.1	0.0	Mar 19	22.4	0.0	May 21	4.5	1.2
Jan 16	30.9	0.0	Mar 20	20.9	0.0	May 22	5.2	1.9
Jan 17	31.8	0.0	Mar 21	20.2	0.0	May 23	3.6	1.8
Jan 18	31.4	0.0	Mar 22	20.1	0.0	May 24	2.1	3.4
Jan 19	31.5	0.0	Mar 23	18.0	0.0	May 25	2.6	3.0
Jan 20	31.2	0.0	Mar 24	15.0	0.0	May 26	2.5	3.5
Jan 21	34.9	0.0	Mar 25	17.5	0.0	May 27	0.5	5.5
Jan 22	33.4	0.0	Mar 26	15.9	0.0	May 28	0.5	5.4
Jan 23	32.3	0.0	Mar 27	13.5	0.1	May 29	0.4	5.2
Jan 24	29.7	0.0	Mar 28	14.5	0.0	May 30	0.9	6.1
Jan 25	31.9	0.0	Mar 29	13.8	0.1	May 31	0.7	6.7
Jan 26	32.7	0.0	Mar 30	13.8	0.0	Jun 1	1.1	7.9
Jan 27	33.2	0.0	Mar 31	13.4	0.0	Jun 2	0.3	8.9
Jan 28	30.3	0.0	Apr 1	12.3	0.2	Jun 3	0.1	6.0
Jan 29	27.7	0.0	Apr 2	12.7	0.0	Jun 4	0.8	4.2
Jan 30	26.2	0.0	Apr 3	12.8	0.1	Jun 5	0.0	6.8
Jan 31	29.1	0.0	Apr 4	15.0	0.0	Jun 6	1.1	5.7
Feb 1	26.6	0.0	Apr 5	17.6	0.0	Jun 7	0.5	7.5
Feb 2	25.1	0.0	Apr 6	15.2	0.0	Jun 8	0.3	10.8
Feb 3	24.5	0.0	Apr 7	13.4	0.3	Jun 9	0.0	12.7
Feb 4	25.0	0.0	Apr 8	14.3	0.4	Jun 10	0.2	10.9
Feb 5	27.6	0.0	Apr 9	13.5	0.4	Jun 11	0.1	11.0
Feb 6	26.0	0.0	Apr 10	10.6	0.0	Jun 12	0.0	10.3
Feb 7	25.9	0.0	Apr 11	14.2	0.0	Jun 13	0.5	7.9
Feb 8	28.9	0.0	Apr 12	12.2	0.1	Jun 14	1.0	9.5
Feb 9	25.2	0.0	Apr 13	9.9	0.6	Jun 15	0.3	10.0
Feb 10	23.1	0.0	Apr 14	9.1	0.4	Jun 16	0.0	9.6
Feb 11	30.3	0.0	Apr 15	7.0	1.6	Jun 17	0.2	9.5
Feb 12	30.3	0.0	Apr 16	7.7	2.8	Jun 18	0.0	9.5
Feb 13	28.9	0.0	Apr 17	9.0	1.8	Jun 19	0.0	10.0
Feb 14	28.2	0.0	Apr 18	8.4	2.0	Jun 20	0.0	8.9
Feb 15	26.1	0.0	Apr 19	6.3	1.7	Jun 21	0.1	8.8
Feb 16	26.4	0.0	Apr 20	5.5	1.8	Jun 22	0.1	11.1
Feb 17	27.4	0.0	Apr 21	7.8	0.0	Jun 23	0.0	11.9
Feb 18	28.8	0.0	Apr 22	8.1	1.4	Jun 24	0.0	12.5
Feb 19	29.9	0.0	Apr 23	8.2	1.6	Jun 25	0.0	14.3
Feb 20	24.8	0.0	Apr 24	6.6	1.7	Jun 26	0.0	17.4
Feb 21	24.0	0.0	Apr 25	9.2	0.0	Jun 27	0.0	17.0
Feb 22	26.8	0.0	Apr 26	8.9	0.0	Jun 28	0.0	15.6
Feb 23	26.6	0.0	Apr 27	6.9	0.0	Jun 29	0.0	14.0
Feb 24	27.7	0.0	Apr 28	7.0	0.5	Jun 30	0.0	13.3
Feb 25	26.2	0.0	Apr 29	6.3	0.4	Jul 1	0.0	13.1
Feb 26	26.2	0.0	Apr 30	5.7	0.3	Jul 2	0.0	13.1
Feb 27	26.4	0.0	May 1	4.0	1.5	Jul 3	0.0	13.8
Feb 28	26.7	0.0	May 2	4.3	2.1	Jul 4	0.0	15.6
Mar 1	23.4	0.0	May 3	5.9	1.6	Jul 5	0.0	16.1
Mar 2	21.2	0.0	May 4	4.8	2.0	Jul 6	0.0	13.5

Jul 7	0.0	12.9	Sep 16	0.7	7.7	Nov 26	16.1	0.0
Jul 8	0.0	13.9	Sep 17	0.3	6.6	Nov 27	14.2	0.0
Jul 9	0.0	14.7	Sep 18	0.1	6.3	Nov 28	13.6	0.0
Jul 10	0.0	14.9	Sep 19	0.7	7.5	Nov 29	16.3	0.1
Jul 11	0.0	13.2	Sep 20	0.4	8.0	Nov 30	15.7	0.6
Jul 12	0.0	11.9	Sep 21	0.4	7.5	Dec 1	18.1	0.6
Jul 13	0.0	11.4	Sep 22	0.8	7.2	Dec 2	24.4	0.0
Jul 14	0.0	12.2	Sep 23	0.2	7.6	Dec 3	25.1	0.0
Jul 15	0.0	14.1	Sep 24	0.1	6.6	Dec 4	23.5	0.0
Jul 16	0.0	15.4	Sep 25	0.7	6.0	Dec 5	22.7	0.0
Jul 17	0.0	17.0	Sep 26	1.8	5.3	Dec 6	24.6	0.0
Jul 18	0.0	18.3	Sep 27	0.8	6.9	Dec 7	25.5	0.0
Jul 19	0.0	15.8	Sep 28	0.8	6.6	Dec 8	27.3	0.0
Jul 20	0.0	14.4	Sep 29	2.1	2.9	Dec 9	25.5	0.0
Jul 21	0.0	14.6	Sep 30	3.1	1.6	Dec 10	19.9	0.0
Jul 22	0.0	15.5	Oct 1	1.7	2.3	Dec 11	19.2	0.0
Jul 23	0.0	14.6	Oct 2	1.7	3.9	Dec 12	21.1	0.0
Jul 24	0.0	14.2	Oct 3	2.1	6.0	Dec 13	25.0	0.0
Jul 25	0.0	14.5	Oct 4	1.5	5.8	Dec 14	22.9	0.0
Jul 26	0.0	14.1	Oct 5	4.1	4.5	Dec 15	22.6	0.0
Jul 27	0.0	14.6	Oct 6	4.3	3.1	Dec 16	22.0	0.0
Jul 28	0.0	14.5	Oct 7	5.8	3.4	Dec 17	21.9	0.0
Jul 29	0.0	15.3	Oct 8	5.4	3.7	Dec 18	24.2	0.0
Jul 30	0.0	16.0	Oct 9	4.0	3.6	Dec 19	24.8	0.0
Jul 31	0.0	16.0	Oct 10	3.0	2.2	Dec 20	27.6	0.0
Aug 1	0.0	17.9	Oct 11	2.3	1.8	Dec 21	26.6	0.0
Aug 2	0.0	18.9	Oct 12	3.3	1.2	Dec 22	25.2	0.0
Aug 3	0.0	17.7	Oct 13	3.5	1.4	Dec 23	20.5	0.0
Aug 4	0.0	17.3	Oct 14	4.4	1.5	Dec 24	22.4	0.0
Aug 5	0.0	15.3	Oct 15	4.8	1.3	Dec 25	27.3	0.0
Aug 6	0.0	14.1	Oct 16	4.8	0.6	Dec 26	27.0	0.0
Aug 7	0.0	15.2	Oct 17	6.8	1.0	Dec 27	26.8	0.0
Aug 8	0.0	15.6	Oct 18	7.4	1.6	Dec 28	25.0	0.0
Aug 9	0.0	14.6	Oct 19	7.4	1.5	Dec 29	22.6	0.0
Aug 10	0.0	13.8	Oct 20	7.2	0.3	Dec 30	23.8	0.0
Aug 11	0.0	13.5	Oct 21	6.4	0.9	Dec 31	25.4	0.0
Aug 12	0.0	14.6	Oct 22	8.7	0.9			
Aug 13	0.0	16.1	Oct 23	11.3	1.5			
Aug 14	0.0	14.9	Oct 24	11.5	1.2			
Aug 15	0.0	14.0	Oct 25	9.0	0.7			
Aug 16	0.0	14.5	Oct 26	8.2	0.6			
Aug 17	0.0	13.9	Oct 27	9.0	0.7			
Aug 18	0.0	12.7	Oct 28	12.9	0.0			
Aug 19	0.0	13.0	Oct 29	14.6	0.0			
Aug 20	0.0	12.5	Oct 30	11.1	0.0			
Aug 21	0.5	11.0	Oct 31	6.8	0.7			
Aug 22	0.1	10.9	Nov 1	5.7	0.7			
Aug 23	0.0	11.4	Nov 2	9.4	1.2			
Aug 24	0.0	11.6	Nov 3	9.9	1.2			
Aug 25	0.0	12.1	Nov 4	10.8	0.0			
Aug 26	0.0	11.4	Nov 5	10.9	0.1			
Aug 27	0.0	13.3	Nov 6	9.5	0.3			
Aug 28	0.0	13.9	Nov 7	10.4	0.2			
Aug 29	0.0	12.6	Nov 8	12.7	0.0			
Aug 30	0.0	12.3	Nov 9	12.7	0.1			
Aug 31	0.0	11.7	Nov 10	11.7	0.6			
Sep 1	0.0	9.1	Nov 11	13.5	0.6			
Sep 2	0.0	8.7	Nov 12	14.5	0.0			
Sep 3	0.0	11.1	Nov 13	12.6	0.0			
Sep 4	0.0	13.1	Nov 14	11.0	0.1			
Sep 5	0.2	8.8	Nov 15	10.6	0.4			
Sep 6	0.2	8.7	Nov 16	12.8	0.7			
Sep 7	0.0	10.6	Nov 17	16.9	0.0			
Sep 8	0.0	12.1	Nov 18	18.0	0.0			
Sep 9	0.0	13.0	Nov 19	16.1	0.1			
Sep 10	0.0	10.8	Nov 20	16.3	0.1			
Sep 11	0.0	8.1	Nov 21	16.1	0.0			
Sep 12	0.2	7.0	Nov 22	16.7	0.0			
Sep 13	0.0	9.9	Nov 23	20.3	0.0			
Sep 14	0.5	10.5	Nov 24	16.0	0.3			
Sep 15	0.2	9.7	Nov 25	17.0	0.3			

Company Name: Con Edison
Case Description: 2009 Electric Rate Filing
Case: 09-E-0428

Response to DPS Interrogatories – Set DPS7
Date of Response: 06/11/2009
Responding Witness: Forecasting Panel

Question No. :47.15
Subject: Electric Sales Volume Forecast - Based on the same historical data that Con Edison used to develop the weather variables over the last 30 years (1979-2008), provide in electronic format: (1) The simple mathematical average daily HDD and CDD, without any adjustment; (2) The corresponding revised forecasts for all the weather variables; (3) The impact to Con Edison's sales volume forecasts of using the revised weather forecasts.

Response:

(1) The Company does not have daily data for CDD for the period from January 1 through March 31 of the years from 1979 through 1989, and for the periods from April 1 through April 30 and November 1 through December 31 of the years from 1979 through 1988. The attached file, DPS7-47_15.xls, shows 30-year average HDD for every day of the year and 30-year average CDD for days from May 1 through October 31. The average daily CDD for the remaining days of the year use data from the truncated periods as indicated in the file.

(2) This would require a study that the Company is not otherwise required to perform.

(3) This would require a study that the Company is not otherwise required to perform.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
CASE 09-E-0428
Staff IR Set 07 - DPS-47 - Question 15

Daily Degree Days - Average Over 30 Years Ended 2008

	HDD	CDD									
				Mar 3	23.0	0.0 *		May 4	4.4	1.0
Jan 1	24.8	0.0 *		Mar 4	25.0	0.0 *		May 5	3.6	1.5
Jan 2	25.4	0.0 *		Mar 5	22.0	0.0 *		May 6	4.2	1.9
Jan 3	26.1	0.0 *		Mar 6	22.9	0.0 *		May 7	4.0	1.6
Jan 4	27.0	0.0 *		Mar 7	23.2	0.0 *		May 8	4.7	1.3
Jan 5	27.5	0.0 *		Mar 8	22.8	0.0 *		May 9	4.2	2.2
Jan 6	27.4	0.2 *		Mar 9	23.3	0.0 *		May 10	3.0	2.4
Jan 7	27.1	0.0 *		Mar 10	23.3	0.0 *		May 11	2.9	3.0
Jan 8	28.3	0.0 *		Mar 11	22.7	0.0 *		May 12	3.0	2.9
Jan 9	28.4	0.0 *		Mar 12	23.2	0.0 *		May 13	2.9	2.6
Jan 10	29.3	0.0 *		Mar 13	20.8	0.1 *		May 14	2.9	1.6
Jan 11	29.9	0.0 *		Mar 14	19.3	0.0 *		May 15	2.0	2.4
Jan 12	28.2	0.0 *		Mar 15	18.8	0.0 *		May 16	3.0	2.9
Jan 13	27.0	0.0 *		Mar 16	20.3	0.4 *		May 17	2.2	2.6
Jan 14	29.3	0.0 *		Mar 17	20.3	0.2 *		May 18	3.0	2.7
Jan 15	30.6	0.0 *		Mar 18	21.0	0.0 *		May 19	3.7	2.9
Jan 16	30.2	0.0 *		Mar 19	21.1	0.0 *		May 20	3.0	3.1
Jan 17	30.7	0.0 *		Mar 20	20.0	0.0 *		May 21	2.6	3.6
Jan 18	30.4	0.0 *		Mar 21	20.5	0.0 *		May 22	2.5	3.9
Jan 19	31.2	0.0 *		Mar 22	20.4	0.0 *		May 23	1.7	4.2
Jan 20	31.4	0.0 *		Mar 23	18.9	0.0 *		May 24	1.2	5.1
Jan 21	33.3	0.0 *		Mar 24	16.8	0.0 *		May 25	1.6	4.9
Jan 22	31.3	0.0 *		Mar 25	16.7	0.0 *		May 26	1.9	4.4
Jan 23	28.6	0.0 *		Mar 26	14.5	0.0 *		May 27	1.4	4.8
Jan 24	27.0	0.0 *		Mar 27	13.9	0.5 *		May 28	0.8	5.1
Jan 25	29.3	0.0 *		Mar 28	13.8	0.5 *		May 29	0.6	5.7
Jan 26	30.6	0.0 *		Mar 29	12.7	0.5 *		May 30	0.7	6.9
Jan 27	30.9	0.0 *		Mar 30	13.1	0.5 *		May 31	0.5	8.2
Jan 28	29.1	0.0 *		Mar 31	13.5	0.7 *		Jun 1	0.4	8.7
Jan 29	28.2	0.0 *		Apr 1	13.2	0.1 **		Jun 2	0.5	7.1
Jan 30	26.8	0.0 *		Apr 2	14.1	0.0 **		Jun 3	0.7	5.8
Jan 31	27.8	0.0 *		Apr 3	13.3	0.1 **		Jun 4	0.7	5.3
Feb 1	27.4	0.0 *		Apr 4	13.2	0.0 **		Jun 5	0.4	6.1
Feb 2	26.1	0.0 *		Apr 5	14.2	0.0 **		Jun 6	0.6	6.5
Feb 3	26.4	0.0 *		Apr 6	14.3	0.2 **		Jun 7	0.6	7.5
Feb 4	27.4	0.0 *		Apr 7	13.4	0.7 **		Jun 8	0.2	9.5
Feb 5	30.1	0.0 *		Apr 8	13.7	0.8 **		Jun 9	0.4	9.7
Feb 6	29.9	0.0 *		Apr 9	14.0	0.9 **		Jun 10	0.2	9.3
Feb 7	29.6	0.0 *		Apr 10	11.8	0.1 **		Jun 11	0.1	9.2
Feb 8	29.6	0.0 *		Apr 11	12.3	0.0 **		Jun 12	0.2	8.8
Feb 9	29.4	0.0 *		Apr 12	11.6	0.1 **		Jun 13	0.5	8.4
Feb 10	27.8	0.0 *		Apr 13	11.7	0.3 **		Jun 14	0.4	9.5
Feb 11	28.9	0.0 *		Apr 14	11.9	0.2 **		Jun 15	0.2	11.0
Feb 12	31.3	0.0 *		Apr 15	10.2	0.8 **		Jun 16	0.0	11.3
Feb 13	31.4	0.0 *		Apr 16	9.7	1.4 **		Jun 17	0.1	10.4
Feb 14	28.5	0.0 *		Apr 17	9.6	1.0 **		Jun 18	0.0	10.6
Feb 15	27.2	0.0 *		Apr 18	8.7	1.1 **		Jun 19	0.0	11.4
Feb 16	27.0	0.0 *		Apr 19	7.9	1.0 **		Jun 20	0.0	11.1
Feb 17	27.8	0.0 *		Apr 20	6.9	0.9 **		Jun 21	0.0	10.5
Feb 18	27.0	0.0 *		Apr 21	7.0	0.3 **		Jun 22	0.2	11.4
Feb 19	25.0	0.0 *		Apr 22	8.2	0.9 **		Jun 23	0.0	11.4
Feb 20	21.9	0.0 *		Apr 23	8.8	1.5 **		Jun 24	0.0	11.2
Feb 21	21.8	0.0 *		Apr 24	6.8	1.1 **		Jun 25	0.0	12.3
Feb 22	21.5	0.0 *		Apr 25	7.5	0.1 **		Jun 26	0.0	13.0
Feb 23	22.4	0.0 *		Apr 26	6.6	0.1 **		Jun 27	0.0	13.6
Feb 24	24.3	0.0 *		Apr 27	5.2	0.8 **		Jun 28	0.1	12.7
Feb 25	26.4	0.0 *		Apr 28	6.2	1.1 **		Jun 29	0.0	12.5
Feb 26	28.0	0.0 *		Apr 29	5.8	0.2 **		Jun 30	0.0	12.0
Feb 27	26.0	0.1 *		Apr 30	4.7	0.6 **		Jul 1	0.0	11.7
Feb 28	25.5	0.0 *		May 1	3.3	1.5		Jul 2	0.0	12.0
Mar 1	24.6	0.0 *		May 2	4.6	1.3		Jul 3	0.0	12.9
Mar 2	21.9	0.0 *		May 3	5.5	1.0		Jul 4	0.0	13.9

Jul 5	0.0	14.2	Sep 4	0.1	10.8	Nov 4	10.6	0.2 **
Jul 6	0.0	13.4	Sep 5	0.1	9.6	Nov 5	11.0	0.1 **
Jul 7	0.0	13.8	Sep 6	0.2	10.0	Nov 6	11.7	0.4 **
Jul 8	0.0	14.6	Sep 7	0.1	10.7	Nov 7	12.4	0.2 **
Jul 9	0.0	15.5	Sep 8	0.0	9.6	Nov 8	12.5	0.3 **
Jul 10	0.0	15.0	Sep 9	0.1	10.4	Nov 9	12.1	0.0 **
Jul 11	0.0	13.7	Sep 10	0.0	10.5	Nov 10	13.2	0.3 **
Jul 12	0.0	13.5	Sep 11	0.0	9.0	Nov 11	14.1	0.3 **
Jul 13	0.0	14.1	Sep 12	0.2	8.0	Nov 12	16.3	0.0 **
Jul 14	0.0	15.0	Sep 13	0.2	9.4	Nov 13	15.6	0.0 **
Jul 15	0.0	15.9	Sep 14	0.2	10.1	Nov 14	13.5	0.3 **
Jul 16	0.0	15.9	Sep 15	0.1	8.0	Nov 15	13.6	0.8 **
Jul 17	0.0	16.2	Sep 16	0.6	6.7	Nov 16	14.8	0.3 **
Jul 18	0.0	17.3	Sep 17	0.8	6.8	Nov 17	16.3	0.0 **
Jul 19	0.0	16.2	Sep 18	0.5	6.1	Nov 18	16.7	0.0 **
Jul 20	0.0	15.9	Sep 19	0.6	6.0	Nov 19	16.2	0.0 **
Jul 21	0.0	16.0	Sep 20	0.8	6.8	Nov 20	15.3	0.1 **
Jul 22	0.0	15.4	Sep 21	0.8	7.2	Nov 21	16.3	0.3 **
Jul 23	0.0	14.8	Sep 22	0.6	6.8	Nov 22	17.0	0.2 **
Jul 24	0.0	14.0	Sep 23	0.9	5.1	Nov 23	17.6	0.1 **
Jul 25	0.0	15.0	Sep 24	1.9	4.2	Nov 24	16.2	0.1 **
Jul 26	0.0	15.2	Sep 25	1.3	4.0	Nov 25	18.2	0.1 **
Jul 27	0.0	15.3	Sep 26	0.9	4.7	Nov 26	16.2	0.0 **
Jul 28	0.0	14.8	Sep 27	1.6	5.8	Nov 27	16.0	0.0 **
Jul 29	0.0	14.8	Sep 28	1.3	4.7	Nov 28	14.4	0.1 **
Jul 30	0.0	14.9	Sep 29	2.1	3.0	Nov 29	17.7	0.1 **
Jul 31	0.0	14.9	Sep 30	2.9	2.7	Nov 30	17.8	0.3 **
Aug 1	0.0	15.8	Oct 1	2.6	3.0	Dec 1	18.4	0.3 **
Aug 2	0.0	16.7	Oct 2	2.0	3.8	Dec 2	20.3	0.0 **
Aug 3	0.0	17.0	Oct 3	2.7	3.6	Dec 3	20.9	0.0 **
Aug 4	0.0	17.4	Oct 4	3.4	4.3	Dec 4	21.2	0.2 **
Aug 5	0.0	15.6	Oct 5	3.9	3.5	Dec 5	22.3	0.0 **
Aug 6	0.0	13.8	Oct 6	4.7	2.9	Dec 6	21.7	0.0 **
Aug 7	0.0	14.1	Oct 7	5.1	2.1	Dec 7	22.0	0.1 **
Aug 8	0.0	14.8	Oct 8	4.6	2.7	Dec 8	23.5	0.0 **
Aug 9	0.0	14.9	Oct 9	3.7	3.3	Dec 9	24.1	0.0 **
Aug 10	0.0	14.5	Oct 10	5.3	2.1	Dec 10	21.7	0.0 **
Aug 11	0.0	13.8	Oct 11	5.3	1.4	Dec 11	22.7	0.0 **
Aug 12	0.1	13.1	Oct 12	5.9	1.3	Dec 12	23.6	0.0 **
Aug 13	0.0	14.0	Oct 13	5.2	1.9	Dec 13	24.3	0.0 **
Aug 14	0.0	14.5	Oct 14	5.1	1.9	Dec 14	24.8	0.0 **
Aug 15	0.0	14.2	Oct 15	5.0	1.3	Dec 15	23.7	0.0 **
Aug 16	0.0	14.4	Oct 16	4.7	0.7	Dec 16	22.7	0.0 **
Aug 17	0.0	14.2	Oct 17	5.8	1.3	Dec 17	24.1	0.0 **
Aug 18	0.0	13.2	Oct 18	5.5	1.4	Dec 18	25.6	0.0 **
Aug 19	0.0	12.1	Oct 19	6.8	1.2	Dec 19	26.8	0.0 **
Aug 20	0.0	11.6	Oct 20	7.4	1.0	Dec 20	28.0	0.0 **
Aug 21	0.2	10.7	Oct 21	6.9	1.0	Dec 21	27.1	0.0 **
Aug 22	0.0	10.7	Oct 22	8.5	1.3	Dec 22	24.9	0.1 **
Aug 23	0.0	11.4	Oct 23	8.6	1.3	Dec 23	22.8	0.2 **
Aug 24	0.0	11.3	Oct 24	8.1	0.7	Dec 24	23.9	0.0 **
Aug 25	0.0	11.8	Oct 25	8.2	0.4	Dec 25	27.1	0.0 **
Aug 26	0.0	12.5	Oct 26	9.2	0.5	Dec 26	28.5	0.0 **
Aug 27	0.0	14.1	Oct 27	8.6	0.6	Dec 27	29.0	0.0 **
Aug 28	0.1	13.7	Oct 28	9.4	0.6	Dec 28	24.6	0.0 **
Aug 29	0.2	12.2	Oct 29	11.7	0.3	Dec 29	23.1	0.0 **
Aug 30	0.0	11.9	Oct 30	10.6	0.1	Dec 30	26.3	0.0 **
Aug 31	0.0	11.9	Oct 31	8.9	0.6	Dec 31	27.3	0.0 **
Sep 1	0.0	10.2	Nov 1	7.9	0.6 **			
Sep 2	0.0	10.2	Nov 2	9.1	1.0 **			
Sep 3	0.0	10.7	Nov 3	10.2	1.1 **			

Notes:

* From January 1 through March 31, daily CDD is not available for the years from 1979 through 1989. Data for nineteen years from 1990 through 2008 were used to obtain average.

** From April 1 through April 30 and November 1 through December 31, daily CDD is not available for the years from 1979 through 1988. Data for twenty years from 1989 through 2008 were used to obtain average.