2007 ICAP/UCAP Load Forecast Reporting Timeline

Event	Responsible Party(ies)	Due Date	LF Manual Section
Post NYCA and TD Economic Outlooks for the 2007 Capability Year	ISO	Aug-06	
Post final 2006 NYCA peak, date & time	ISO	31-Aug	2.1.1
Post final 2006 Zone J and Zone K peaks, date & time	ISO	31-Aug	2.1.1
Post EDRP and SCR impacts on NYCA peak	ISO	25-Oct	2.1.2
Post EDRP and SCR impacts on Zone J and K peaks	ISO	25-Oct	2.1.2
Submit actual load at time of NYCA peak	TO/MES	31-Oct	2.2.2
Submit weather-normalized load at time of NYCA peak	TO/MES	31-Oct	2.2.3
Submit actual load at time of Zone J or K peak	TO/MES w/ locational	31-Oct	2.2.2
Submit weather-normalized load at time of Zone K peak	requirements	31-Oct	2.2.3
Evaluation of weather-normalized loads at time of NYCA peak	ISO	10-Nov	2.1.4
Evaluation of weather-normalized Zone J and K peak loads	ISO	10-Nov	2.1.4
Comment and dispute resolution period on weather-normalization results	All	13-Nov to 1-Dec	2.3.3
Submit regional load growth factors	TO/MES	1-Dec	2.2.7
Evaluation of Regional Load Growth Factors	ISO	8-Dec	2.1.5
Post Preliminary 2007 NYCA ICAP Forecast	ISO	15-Dec	2.1.6
Comment and dispute resolution period on Regional Load Growth Factors	All	15-Dec to 17-Jan	2.3.5
Post Final 2007 NYCA ICAP Forecast	ISO	18-Jan	2.1.7

2007 Load Forecast/IRM & LCR Reporting Timeline

Event	Responsible Party(ies)	Due Date
Post NYCA and TD Economic Outlooks for the 2007 Capability Year	ISO	Aug-06
Post final 2004 NYCA peak, date & time	ISO	31-Aug
Post final 2004 Zone J and Zone K peaks, date & time	ISO	31-Aug
Estimated EDRP and SCR impacts on NYCA peak	ISO	15-Sep
Estimated EDRP and SCR impacts on Zone J and K peaks	ISO	15-Sep
Submit actual load at time of NYCA peak	TO/MES	15-Sep
Submit weather-normalized load at time of NYCA peak	TO/MES	15-Sep
Submit actual load at time of Zone J or K peak	TO/MES w/ locational	15-Sep
Submit weather-normalized load at time of Zone K peak	requirements	15-Sep
Evaluation of weather-normalized loads at time of NYCA peak	ISO	22-Sep
Evaluation of weather-normalized Zone J and K peak loads	ISO	22-Sep
Comment and dispute resolution period on weather-normalization results	All	14-Nov to 1-Dec
Submit regional load growth factors	TO/MES	2-Oct
Evaluation of Regional Load Growth Factors	ISO	6-Oct
Present 2007 NYCA IRM & LCR Forecast	ISO	9-Oct

Method for Forecasting TO and TD Load at Time of NYCA Peak
For IRM & LCR Studies
When TO Forecast is Not Available

1 **Ascertain TO ability to participate under IRM/LCR Schedule**

2 **Determine actual load at time of NYCA peak**
- **a NYISO DSS sub-zonal loads aggregated to TD**
- **b MESs from DSS or NYPA & NYMPA**

3 **Calculate weather-normalized load at time of NYCA peak**
Using models that evaluate TO weather-normalizations

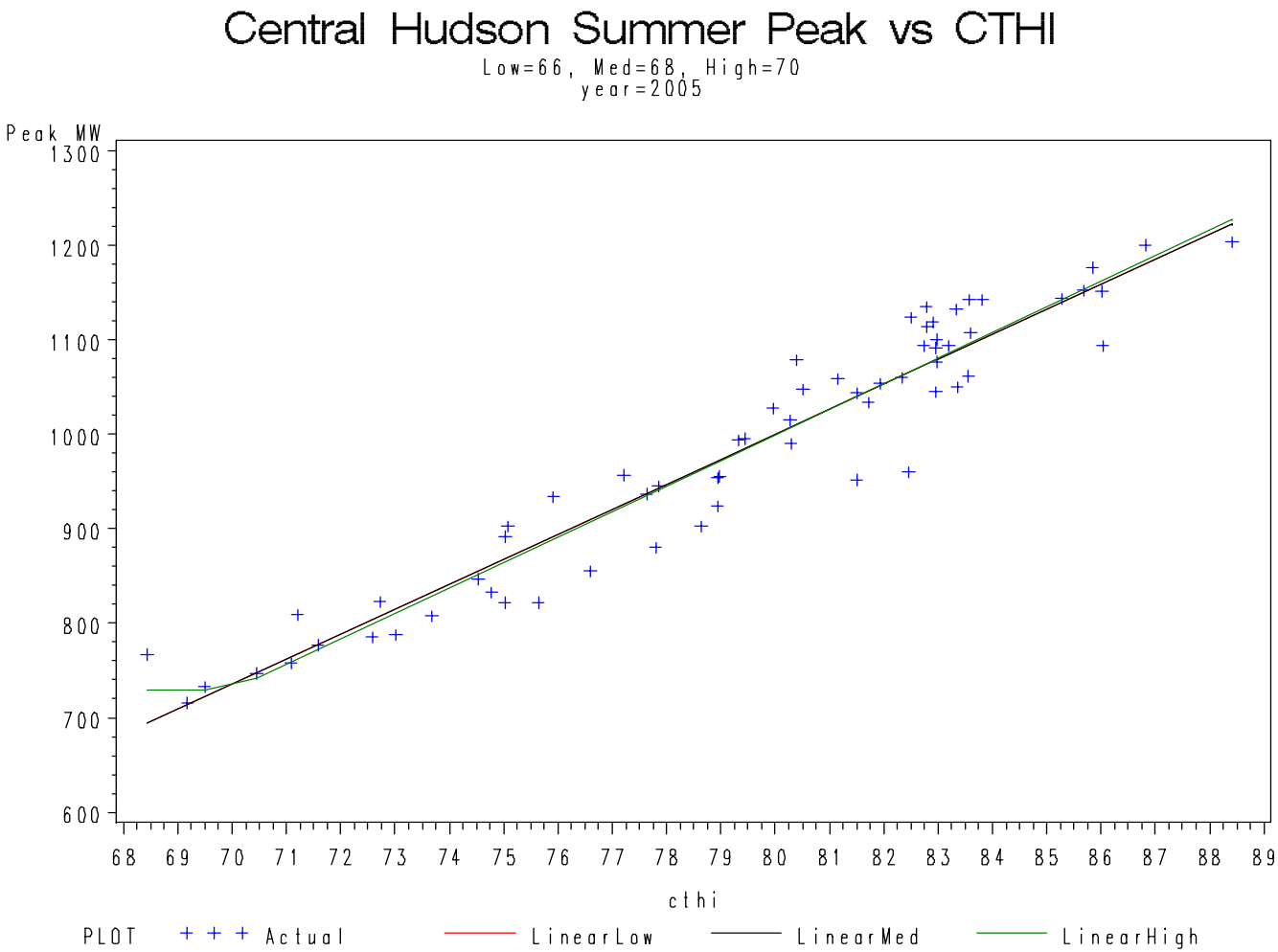
4 **Estimate EDRP and SCR impacts on NYCA Peak**

5 **LFTF & TO review of 2 and 3**

6 **Calculate Regional Load Growth Factors**
- **a. Calculate new composite economic indicator from Economy.com Fall 06 Forecast**
- **b. Develop ratio of new/old economic indicator**
- **c. 2007 RLGF = 2006 RLGF X b.**

7 **Incorporate into NYCA IRM/LCR Forecast**

3. Determining TO/TD Weather Normalized Load at Time of NYCA Peak



3. Determining TO/TD Weather Normalized Load at Time of NYCA Peak

New York Independent System Operator
ICAP 2005 Weather Normalization

for Central Hudson

(1) Estimate of 2005 Weather Normalized Coincident Peak Demand

Row	Description	Value	Units		Notes
(a)	Normal CTHI, 1-in-2 Design Value	86.10	F		
(b)	Actual CTHI	85.68	F		
(c)	Delta CTHI	0.416	F		(a) - (b)
(d)	CTHI Coefficient	26.49	MW/F		from regression model
(e)	MW Adjustment, Peak Hour	11	MW		(c) * (d)
(f)	Hourly Coincidence Factor	1.000			from reference load profiles
(g)	MW Adjustment, at Coincident Hour	11	MW		(e) * (f)
(h)	Actual 2005 Coincident Load	1153	MW		
(i)	Normal 2005 Coincident Load	1164			(g) + (h)
(k)	Regional Load Growth Factor	1.000			(To be determined)
(l)	**Normal 2005 Coincident Peak Demand**	**1164**	**MW**		**(i) * (k)**

6. Calculate Regional Load Growth Factor

(Central Hudson Example)

	1999	2000	2001	2002	2003	2004	2005	**2006**	Correlation of W/N Peak and:		
Employment	4048.25	4163.17	4132.17	4007.92	3966.75	3978.86	4022.01	4080.17	Employment	-0.715245	5
Output	395384.18	420751.64	430680.6	418710.17	433942.87	454738.85	472753.8	482389.61	Output	0.893714	3
Households	3343.09	3366.8	3386.74	3397.54	3404.74	3405.04	3411.32	3423.4	Households	0.928509	2
Population	8876.2	8951.96	9003.92	9033.19	9048.12	9050.79	9071.98	**9093.9**	Population	0.940552	1
Income	331392.07	346936.24	347831.44	338946.41	340279.03	348877.66	362923.8	**369479.29**	Income	0.593653	4

Growth							
Employment	1.0283876	0.992553751	0.96993105	0.9897278	1.0030529	1.010845	1.0144604
Output	1.064159	1.023598149	0.97220578	1.0363801	1.0479233	1.039616	1.0203823
Households	1.0070922	1.005922538	1.00318891	1.0021192	1.0000881	1.001844	1.0035412
Population	1.0085352	1.005804315	1.00325081	1.0016528	1.0002951	1.002341	**1.0024162**
Income	1.0469057	1.002580301	0.97445593	1.0039317	1.0252694	1.040261	**1.0180629**

W/N L+L					12650.254	12812.02	
W/N Peaks	11650	11825	12225	12400	12650.254	12812.02	13,314.00
W/N Peak Growth		1.0150	1.0338	1.0143	1.0202	1.0128	1.0392
	Rank		2	4	3	5	1
Peak Growth divided by:							
Employment		0.987	1.042	1.046	1.031	1.010	1.028
Output		0.954	1.010	1.043	0.984	0.966	1.000
Households		1.008	1.028	1.011	1.018	1.013	1.037
Population		1.006	1.028	1.011	1.018	1.012	1.037
Income		0.970	1.031	1.041	1.016	0.988	0.999

	Composite indicator						
	1.0383923	1.011565901	0.9847825	1.0149931	1.0239335	1.025334	**1.0128553**
Peak Growth/CI	*0.9774933*	1.022006216	1.02998878	1.0051121	0.9891146	1.013504	
	Rank	2	1	4	5	3	
Peak Growth Rate Range		**1.035144428**		**1.0180331**			

6. Calculate Regional Load Growth Factor

(Central Hudson Example)

1	**2006 Composite Economic Indicator**	**1.0129**
2	**2007 Calculated Economic Indicator**	**1.0135**
3	**Ratio of 2007 EI to 2006 EI**	**1.0006**
4	**2006 RLGF**	**1.0210**
5	**2007 RLGF = 3 X 4**	**1.0216**
6	**Apply 5 to:**	
	TO W/N Coincident Load	
	or	
	NYISO Estimated W/N CL	