

2014 Preliminary Weather Normalized MW for 2015 ICAP Forecast (V2)

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NYCA – Actual and Weather Adjusted MW

2014 Summer Peak MW Data	NYISO DSS Actual MW Data				Transmission Owner Data			
9/2/2014, Hour Ended 4 PM	Actual Load	Losses	Load + Losses	Percent Losses	Actual Load Data	Weather Adjustments	Demand Response	TOs' W/N MW With DSM ¹
Version 2 11/18/2014								
Central Hudson	970.10	29.70	999.80	2.97%	1,007.900	77.0	0.1	1085.0
Consolidated Edison	12,042.20	113.30	12,155.50	0.93%	12,155.500	1281.0	11.9	13448.4
Long Island Power Authority	4,972.20	62.90	5,039.30	1.25%	4,819.000	321.3	0.0	5140.3
Full Requirement Customers					131.100	8.7	0.0	139.8
Other Municipal Load					84.000	5.6	0.0	89.6
Other Municipal Generation	4.20					-	-	-
					5,034.100	335.6	0.0	5369.7
New York Power Authority	315.80	5.40	321.20	1.68%	243.000	0.0	0.0	243.0
Partial Requirement Customers					75.600	2.9	-	78.5
					318.600	2.9	0.0	321.5
New York State Electric & Gas	2,655.80	86.70	2,746.10	3.16%	2,549.500	424.3	0.0	3060.5
Losses					90.300			
Full Requirement Customers		1.30			38.700	6.4	0.0	46.4
Partial Requirement Customers		2.30			67.600	11.3	0.0	81.2
					2,746.100	442.0	0.0	3188.1
National Grid	5,844.40	421.40	6,349.10	6.64%	5,535.200	793.6	0.1	6750.3
Losses					448.100			
Full Requirement Customers		7.10			93.500	13.4	0.0	114.0
Partial Requirement Customers		14.50			190.800	27.4	0.0	232.7
Jamestown		5.10			66.900	9.6	0.0	81.6
Other Municipal Generation	56.60					-	-	0.0
					6,334.500	844.0	0.1	7178.6
Orange & Rockland Utilities	947.80	12.20	960.00	1.27%	960.000	176.0	0.0	1136.0
Rochester Gas & Electric	1,245.30	12.10	1,257.40	0.96%	1,248.400	295.7	6.7	1550.8
Partial Requirement Customers					9.000	2.1	-	11.1
					1,257.400	297.8	6.7	1561.9
Totals	29,054.4	774.0	29,828.4	2.59%	29,814.1	3,456.3	18.8	33,289.2

NYCA – Actual and Weather Adjusted MW

2014 Summer Peak MW Data					2014		
9/2/2014, Hour Ended 4 PM					Adjusted		
Version 2 11/18/2014					W/N MW		
	TOs' W/N MW With DSM ¹	Reallocation of Losses			Proportional Allocation of Losses	Adj. W/N Load Less Losses	2014 Adjusted W/N MW
		W/N Losses	Station Power ²	Adj. W/N Load Less Losses			
Central Hudson	1085.0	32.0		1,053.0	28.3	1,053.0	1,081.3
Consolidated Edison	13448.4	125.4	14.0	13,309.0	358.2	13,309.0	13,667.2
Long Island Power Authority	5140.3	64.3		5,076.00	136.6	5,076.0	5,212.6
Full Requirement Customers	139.8	1.7		138.10	3.7	138.1	141.8
Other Municipal Load	89.6	1.1		88.50	2.4	88.5	90.9
Other Municipal Generation	-	0.0		-	0.0	-	-
	<u>5369.7</u>	<u>67.1</u>		<u>5,302.6</u>	<u>142.7</u>	<u>5,302.6</u>	<u>5,445.3</u>
New York Power Authority	243.0	4.1		238.9	6.4	238.9	245.3
Partial Requirement Customers	78.5	1.3		77.2	2.1	77.2	79.3
	<u>321.5</u>	<u>5.4</u>		<u>316.1</u>	<u>8.5</u>	<u>316.1</u>	<u>324.6</u>
New York State Electric & Gas	3060.5	100.6		2,959.9	79.7	2,959.9	3,039.6
Losses				-			-
Full Requirement Customers	46.4	1.5		44.9	1.2	44.9	46.1
Partial Requirement Customers	81.2	2.7		78.5	2.1	78.5	80.6
	<u>-</u>	<u>0.0</u>		<u>-</u>	<u>0.0</u>	<u>-</u>	<u>-</u>
	<u>3188.1</u>	<u>104.8</u>		<u>3,083.3</u>	<u>83.0</u>	<u>3,083.3</u>	<u>3,166.3</u>
National Grid	6750.3	477.4	14.0	6,258.9	168.5	6,258.90	6,427.4
Losses				-			-
Full Requirement Customers	114.0	8.1		105.90	2.9	105.90	108.8
Partial Requirement Customers	232.7	16.5		216.20	5.8	216.20	222.0
Jamestown	81.6	5.8		75.80	2.0	75.80	77.8
Other Municipal Generation	0.0			-		-	-
	<u>-</u>	<u>0.0</u>		<u>-</u>	<u>0.0</u>	<u>-</u>	<u>-</u>
	<u>7178.6</u>	<u>507.8</u>		<u>6,656.8</u>	<u>179.2</u>	<u>6,656.8</u>	<u>6,836.0</u>
Orange & Rockland Utilities	1136.0	14.4		1,121.6	30.2	1,121.6	1,151.8
Rochester Gas & Electric	1550.8	14.9		1,535.9	41.3	1,535.9	1,577.2
Partial Requirement Customers	11.1	0.1		11.0	0.3	11.0	11.3
	<u>1561.9</u>	<u>15.0</u>		<u>1,546.9</u>	<u>41.6</u>	<u>1,546.9</u>	<u>1,588.5</u>
Totals	33,289.2	871.9	28.0	32,389.3	871.7	32,389.3	33,261.0

Note 2: Station Loads are excluded from the final weather adjusted total. All other loads are included.

G-J Locality – Actual, Weather Adjusted and Forecast

Assemble Actual MW, SCR and Weather Adjusted MW by Transmission District

(1)	(2)	(3)	(4)	(5)
Transmission District	2014 Total Actual MW	SCR & Other Adjustments	Weather Adjustment MW	2014 Weather Normalized MW
Cen. Hud.	1,007.9	0.1	77.0	1,085.0
Con Ed	12,155.5	11.9	1,281.0	13,448.4
LIPA	5,034.1	0.0	335.6	5,369.7
NGrid	6,334.5	0.1	844.0	7,178.6
NYPA	318.6	0.0	2.9	321.5
NYSEG	2,746.1	0.0	442.0	3,188.1
O&R	960.0	0.0	176.0	1,136.0
RG&E	1,257.4	6.7	297.8	1,561.9
Total	29,814.1	18.8	3,456.3	33,289.2
Check	29,814.1	18.8	3,456.3	33,289.2

Step 1: Allocate Actual MW and SCR MW for each TD across GHIJ Zones.

(1) 2014 Actual & SCR CP GHIJ MW for Zones G, H, I and J

(1)	(2)	(3)	(4)	(5)	(6)	Check Actual	Check SCR
Transmission District	Zone G	Zone H	Zone I	Zone J	Total, GHIJ		
Cen. Hud.	1,008.0				1,008.0	1,007.9	0.1
Con Ed		264.4	1,313.9	10,589.2	12,167.4	12,155.5	11.9
NYSEG	21.1	316.9			338.0	338.0	0.0
O&R	960.0				960.0	960.0	0.0
Total	1,989.1	581.3	1,313.9	10,589.2	14,473.4	14,461.4	12.0
Check Actual	1,989.0	581.0	1,312.6	10,578.8	14,461.4		
Check SCR	0.1	0.3	1.3	10.4	12.0		

G-J Locality – Actual, Weather Adjusted and Forecast

Step 2: Distribute the weather adjustment of each TO in GHJ to the zones

(2) 2014 Weather Normalized CP for Zones G, H, I and J						
(1)	(2)	(3)	(4)	(5)	(6)	
Transmission District	Zone G	Zone H	Zone I	Zone J	Total, GHJ	Check
Gen. Hud. Con Ed	1,085.0	292.3	1,452.2	11,704.0	13,448.4	13448.4
NYSEG O&R	24.5 1,136.0	367.9			392.4 1,136.0	392.4 1136.0
Total	2,245.5	660.2	1,452.2	11,704.0	16,061.8	16061.8
Check	2,245.5	660.2	1,452.2	11,704.0	16,061.8	

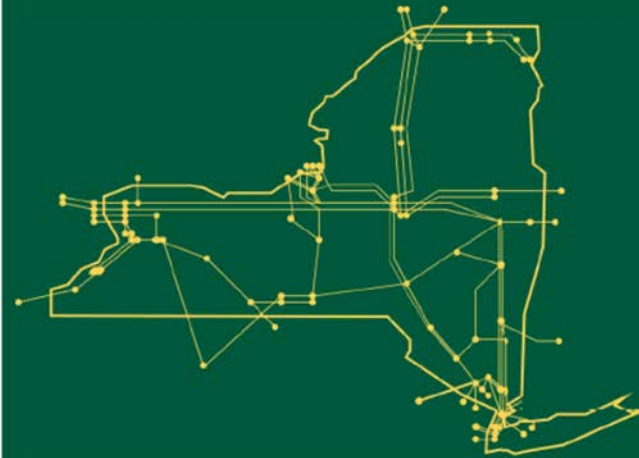
Step 3: Apply Ratio of Non-Coincident Peak to Coincident Peak to calculate the 2014 Weather Adjusted Locality peaks by Zone and TD.

(3) 2014 Weather Normalized Locality Peak for Zones G, H, I and J						
(1)	(2)	(3)	(4)	(5)	(6)	
Transmission District	Zone G	Zone H	Zone I	Zone J	Total, GHJ	
Gen. Hud. Con Ed	1,095.90	295.20	1,466.70	11,821.00	13,582.90	13582.90
NYSEG O&R	24.70 1,147.40	371.60			396.30 1,147.40	396.30 1147.40
Total	2,268.00	666.80	1,466.70	11,821.00	16,222.50	
NCP/CP Ratio	1.010	1.010	1.010	1.010	1.010	
Check	2,268.0	666.8	1,466.7	11,821.0	16,222.5	

Summary of Zone J & Zone K Locality Data

(1)	(2)	(3)	(4)	(5)
Locality	2014 Actual MW	Demand Response MW	Weather Adjustment MW	2014 Weather Normalized MW
Zone J - NYC	10,574.2	11.9	1,100.9	11,687.0
Zone K - LI	5,048.0	0.0	472.0	5,520.0

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