

# 2015 Preliminary Weather Normalized MW and 2016 ICAP Forecast (V3)

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*Rensselaer, NY*

2015 Summer Peak MW Data	NYISO DSS Actual MW Data				Transmission Owner Data			
7/29/2015, Hour Beginning 4 PM	Actual Load	Losses	Load + Losses	Percent Losses	Actual Load Data	Weather Adjustments	Demand Response	TOs' W/N MW With DR
Version 3 12/10/2015								
<b>Central Hudson</b>	1,019.0	29.0	1,048.0	2.77%	1,044.6	62.0	0.0	1,106.6
<b>Consolidated Edison</b>	11,928.6	110.2	12,038.8	0.92%	12,050.2	1436.5	0.0	13,486.7
<b>Long Island Power Authority</b>	5,076.3	59.6	5,142.8	1.16%	4,927.8	287.3	0.0	5,215.1
Full Requirement Customers					99.5	5.8	0.0	105.3
Other Municipal [					110.6	6.4	0.0	117.0
Other Municipal Generation	6.9					-	-	0.0
					5,137.9	299.5	0.0	5,437.4
<b>New York Power Authority</b>	327.7	3.0	330.7	0.91%	249.5	0.0	0.0	249.5
Partial Requirement Customers					81.2	1.3	-	82.5
					330.7	1.3	0.0	332.0
<b>New York State Electric &amp; Gas</b>	2,978.3	54.5	3,035.3	1.80%	2,865.9	114.1	13.7	3,048.2
Losses					57.0			
Full Requirement Customers		0.8			41.7	1.7	0.0	44.2
Partial Requirement Customers		1.7			70.7	2.8	-	75.2
					3,035.3	118.6	13.7	3,167.6
<b>National Grid</b>	6,500.6	376.7	6,949.3	5.42%	6,148.8	57.2	2.6	6,585.3
Losses					391.0			
Full Requirement Customers		6.3			106.0	1.0	0.0	113.3
Partial Requirement Customers		3.0			212.7	2.0	0.0	217.7
Jamestown	57.7	5.0			84.1	0.8	0.0	89.9
Other Municipal Load					6.7	-	-	6.7
					6,949.3	61.0	2.6	7,012.9
<b>Orange &amp; Rockland Utilities</b>	986.0	14.0	1,000.0	1.40%	1,000.0	151.0	0.0	1,151.0
<b>Rochester Gas &amp; Electric</b>	1,509.3	16.7	1,526.3	1.09%	1,514.9	26.1	10.8	1,551.8
Partial Requirement Customers		0.3			11.4	0.2	-	11.6
					1,526.3	26.3	10.8	1,563.4
<b>Totals</b>	<b>30,390.4</b>	<b>680.8</b>	<b>31,071.2</b>	<b>2.19%</b>	<b>31,074.3</b>	<b>2,156.2</b>	<b>27.1</b>	<b>33,257.6</b>

2015 Summer Peak MW Data		Reallocation of Losses				Proportional	Adj. W/N	2015
7/29/2015, Hour Beginning 4 PM		W/N	Station	Adj. W/N Load	Percent Loss	Allocation	Load Less	Adjusted
Version 3 12/7/2015		Losses	Power	Less Losses	Allocation	of Losses	Losses	W/N MW
<b>Central Hudson</b>		30.7		1,075.9	3.31%	23.4	1,075.9	1,099.3
<b>Consolidated Edison</b>		123.3	15.0	13,348.4	41.06%	290.5	13,348.4	13,638.9
<b>Long Island Power Authority</b>		60.5		5,154.6	15.86%	112.2	5,154.6	5,266.8
Full Requirement Customers		1.2		104.1	0.32%	2.3	104.1	106.4
Other Munic: [		1.4		115.6	0.36%	2.5	115.6	118.1
Other Municipal Generation		<u>0.0</u>		<u>0.0</u>	<u>0.00%</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
		63.1		5,374.3	16.53%	117.0	5,374.3	5,491.3
<b>New York Power Authority</b>		2.3		247.2	0.76%	5.4	247.2	252.6
Partial Requirement Customers		<u>0.7</u>		<u>81.8</u>	<u>0.25%</u>	<u>1.8</u>	<u>81.8</u>	<u>83.6</u>
		3.0		329.0	1.01%	7.2	329.0	336.2
<b>New York State Electric &amp; Gas</b>		57.3		2,990.9	9.20%	65.1	2,990.9	3,056.0
Losses				0.0				0.0
Full Requirement Customers		0.8		43.4	0.13%	0.9	43.4	44.3
Partial Requirement Customers		<u>1.4</u>		<u>73.8</u>	<u>0.23%</u>	<u>1.6</u>	<u>73.8</u>	<u>75.4</u>
		59.5		3,108.1	9.56%	67.6	3,108.1	3,175.7
<b>National Grid</b>		370.5	26.1	6,188.7	19.04%	134.7	6,188.7	6,323.4
Losses				0.0				
Full Requirement Customers		6.4		106.9	0.33%	2.3	106.9	109.2
Partial Requirement Customers		12.2		205.5	0.63%	4.5	205.5	210.0
Jamestown		5.1		84.8	0.26%	1.8	84.8	86.6
Other Municipal Load		<u>0.4</u>		<u>6.3</u>	<u>0.02%</u>	<u>0.1</u>	<u>6.3</u>	<u>6.4</u>
		394.6		6,592.2	20.28%	143.4	6,592.2	6,735.6
<b>Orange &amp; Rockland Utilities</b>		16.1		1,134.9	3.49%	24.7	1,134.9	1,159.6
<b>Rochester Gas &amp; Electric</b>		17.0		1,534.8	4.72%	33.4	1,534.8	1,568.2
Partial Requirement Customers		<u>0.1</u>		<u>11.5</u>	<u>0.04%</u>	<u>0.3</u>	<u>11.5</u>	<u>11.8</u>
		17.1		1,546.3	4.76%	33.7	1,546.3	1,580.0
<b>Totals</b>		<b>707.4</b>	<b>41.1</b>	<b>32,509.1</b>	<b>100.00%</b>	<b>707.5</b>	<b>32,509.1</b>	<b>33,216.6</b>

## 2016 Locality Peak Forecasts (Non-Coincident)

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Locality	2015 Actual MW	Demand Response MW	Weather Adjustment MW	2015 Weather Normalized MW	Regional Load Growth Factors	2016 ICAP Forecast
<b>Zone J - NYC</b>	10,586.0	1.8	1,162.2	11,750.0	1.0037	11,793.5
<b>Zone K - LI</b>	5,261.6	1.6	215.3	5,478.5	1.0000	5,478.5
<b>Zone GHIJ</b>	14,778.0	1.8	1,467.7	16,247.5	1.0042	16,315.5

# 2016 G-to-J Locality Peak Forecast - Details

**(1) 2015 Actual Coincident Peak MW for G-to-J Locality**

(1)	(2)	(3)	(4)	(5)	(6)
Transmission District	Zone G	Zone H	Zone I	Zone J	Total, GHJ
Cen. Hud. Con Ed	1,044.6	263.5	1,331.7	10,455.0	1,044.6 12,050.2
NYSEG O&R	21.5 1,000.0	335.1			356.6 1,000.0
<b>Total</b>	<b>2,066.1</b>	<b>598.6</b>	<b>1,331.7</b>	<b>10,455.0</b>	<b>14,451.4</b>

**(2) 2015 Weather Normalized Coincident Peak for G-to-J Locality**

(1)	(2)	(3)	(4)	(5)	(6)
Transmission District	Zone G	Zone H	Zone I	Zone J	Total, GHJ
Cen. Hud. Con Ed	1,106.6	304.0	1,531.0	11,652.0	1,106.6 13,487.0
NYSEG O&R	23.1 1,151.0	360.5			383.6 1,151.0
<b>Total</b>	<b>2,280.7</b>	<b>664.5</b>	<b>1,531.0</b>	<b>11,652.0</b>	<b>16,128.2</b>

**(3) 2015 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
Cen. Hud. Con Ed	1,114.80	306.20	1,542.30	11,738.20	1,114.80 13,586.70
NYSEG O&R	23.30 1,159.50	363.20			386.50 1,159.50
<b>Total</b>	<b>2,297.60</b>	<b>669.40</b>	<b>1,542.30</b>	<b>11,738.20</b>	<b>16,247.50</b>

**(4) 2016 Non-Coincident Peak Forecast for Zones G, H, I and J**

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Transmission District	Zone G	Zone H	Zone I	Zone J	Total, GHJ	Regional Load Growth Factors
Cen. Hud. Con Ed	1,119.8	307.3	1,548.0	11,781.6	1,119.8 13,636.9	1.0045 1.0037
NYSEG O&R	23.4 1,170.3	365.1			388.5 1,170.3	1.0050 1.0093
<b>Total</b>	<b>2,313.5</b>	<b>672.4</b>	<b>1,548.0</b>	<b>11,781.6</b>	<b>16,315.5</b>	<b>1.0042</b>

<b>NCP/CP Ratio</b>	<b>1.0074</b>	<b>1.0074</b>	<b>1.0074</b>	<b>1.0074</b>	<b>1.0074</b>
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## 2016 New York Control Area Peak Load Forecast (MW)

Preliminary 12/10/2015 Version 1	Transmission Districts	2015 Weather Normalized MW Load + Losses MW	Regional Load Growth Factor	2016 Forecast At Time of NYCA Peak	2016 Locality Forecasts		
					J Locality	K Locality	G-J Locality
	<b>Central Hudson</b>	1,099.3	1.0045	1,104.2			1119.8
	<b>Consolidated Edison</b>	13,638.9	1.0037	13,689.4	11,793.5		13636.9
	<b>Long Island Power Authority</b>	5,266.8	1.0000	5,266.8			
	Full Requirements Customers	106.4	1.0000	106.4			
	Other LSEs	118.1	1.0000	118.1			
	LIPA Total	5,491.3	1.0000	5,491.3		5,478.5	
	<b>New York Power Authority</b>	252.6	0.9963	251.7			
	Partial Requirements Customers	83.6	1.0084	84.3			
	NYPA Total	336.2	0.9994	336.0			
	<b>New York State Electric &amp; Gas</b>	3,056.0	1.0050	3,071.3			388.5
	Full Requirements Customers	44.3	1.0050	44.5			
	Partial Requirements Customers	75.4	1.0050	75.8			
	NYSEG Total	3,175.7	1.0050	3,191.6			
	<b>National Grid</b>	6,323.4	1.0060	6,361.3			
	Full Requirements Customers	109.2	1.0060	109.9			
	Partial Requirements Customers	210.0	1.0060	211.3			
	Jamestown	86.6	1.0060	87.1			
	Other Municipal Load	6.4	1.0060	6.4			
	N-Grid Total	6,735.6	1.0060	6,776.0			
	<b>Orange &amp; Rockland Utilities</b>	1,159.6	1.0093	1,170.4			1170.3
	<b>Rochester Gas &amp; Electric</b>	1,568.2	1.0070	1,579.2			
	Partial Requirements Customers	11.8	1.0070	11.9			
	RG&E Total	1,580.0	1.0070	1,591.1			
	<b>Total Load in NYCA or Locality</b>	<b>33,216.6</b>	1.0040	<b>33,350.0</b>	<b>11,793.5</b>	<b>5,478.5</b>	<b>16315.5</b>

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