

2014 Weather Normalized Peak and 2015 ICAP Forecast (V6)

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December 19, 2014

Albany, NY

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 DR |
| Version 6 12/19/2014 | | | | | | | | |
| Central Hudson | 970.10 | 29.70 | 999.80 | 2.97% | 1,007.900 | 77.0 | 0.1 | 1,085.0 |
| Consolidated Edison | 12,042.20 | 113.30 | 12,155.50 | 0.93% | 12,149.700 | 1239.0 | 11.9 | 13,400.6 |
| Long Island Power Authority | 4,972.20 | 62.90 | 5,039.30 | 1.25% | 4,819.000 | 393.6 | 0.0 | 5,212.6 |
| Full Requirement Customers | | | | | 131.100 | 10.7 | 0.0 | 141.8 |
| Other Municipal Load | | | | | 84.000 | 6.9 | 0.0 | 90.9 |
| Other Municipal Generation | 4.20 | | | | | - | - | 0.0 |
| | | | | | 5,034.100 | 411.2 | 0.0 | 5,445.3 |
| New York Power Authority | 315.80 | 5.40 | 321.20 | 1.68% | 245.000 | 0.0 | 0.0 | 245.0 |
| Partial Requirement Customers | | | | | 76.300 | 2.9 | - | 79.2 |
| | | | | | 321.300 | 2.9 | 0.0 | 324.2 |
| New York State Electric & Gas | 2,655.80 | 87.40 | 2,746.10 | 3.18% | 2,535.800 | 434.9 | 0.0 | 3,058.1 |
| Losses | | | | | 90.300 | | | |
| Full Requirement Customers | | 1.30 | | | 39.300 | 6.7 | 0.0 | 47.3 |
| Partial Requirement Customers | | 1.60 | | | 67.600 | 11.6 | 0.0 | 80.8 |
| | | | | | | - | - | 0.0 |
| | | | | | 2,733.000 | 453.2 | 0.0 | 3,186.2 |
| National Grid | 5,844.40 | 433.10 | 6,349.10 | 6.82% | 5,535.200 | 810.1 | 0.1 | 6,778.5 |
| Losses | | | | | 448.100 | | | |
| Full Requirement Customers | | 7.10 | | | 93.500 | 13.7 | 0.0 | 114.3 |
| Partial Requirement Customers | | 2.80 | | | 190.800 | 27.9 | 0.0 | 221.5 |
| Jamestown | | 5.10 | | | 66.900 | 9.8 | 0.0 | 81.8 |
| Other Municipal Generation | 56.60 | | | | | - | - | - |
| | | | | | 6,334.500 | 861.5 | 0.1 | 7,196.1 |
| Orange & Rockland Utilities | 947.80 | 12.20 | 960.00 | 1.27% | 960.000 | 176.0 | 0.0 | 1,136.0 |
| Rochester Gas & Electric | 1,245.30 | 12.10 | 1,257.40 | 0.96% | 1,248.400 | 295.7 | 6.7 | 1,550.8 |
| Partial Requirement Customers | | | | | 9.000 | 2.1 | - | 11.1 |
| | | | | | 1,257.400 | 297.8 | 6.7 | 1,561.9 |
| Totals | 29,054.4 | 774.0 | 29,828.4 | 2.59% | 29,797.9 | 3,518.6 | 18.8 | 33,335.3 |

NYCA – Actual and Weather Adjusted MW

| 2014 Summer Peak MW Data | Reallocation of Losses | | | | Proportional | Adj. W/N | 2014 | |
|--|------------------------|--------------|-------------|-----------------|----------------|--------------|-----------------|-----------------|
| 9/2/2014, Hour Ended 4 PM | TOs' W/N MW | W/N | Station | Adj. W/N Load | Percent Loss | Allocation | Load Less | Adjusted |
| Version 6 12/19/2014 | With DR | Losses | Power | Less Losses | Allocation | of Losses | Losses | W/N MW |
| Central Hudson | 1,085.0 | 32.0 | | 1,053.0 | 3.25% | 28.4 | 1,053.0 | 1,081.4 |
| Consolidated Edison | 13,400.6 | 125.0 | 17.1 | 13,258.5 | 40.90% | 357.5 | 13,258.5 | 13,616.0 |
| Long Island Power Authority | 5,212.6 | 65.1 | | 5,147.5 | 15.88% | 138.8 | 5,147.5 | 5,286.3 |
| Full Requirement Customers | 141.8 | 1.8 | | 140.0 | 0.43% | 3.8 | 140.0 | 143.8 |
| Other Municipal Load | 90.9 | 1.1 | | 89.8 | 0.28% | 2.4 | 89.8 | 92.2 |
| Other Municipal Generation | <u>0.0</u> | <u>0.0</u> | | <u>0.0</u> | <u>0.00%</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| | 5,445.3 | 68.0 | | 5,377.3 | 16.59% | 145.0 | 5,377.3 | 5,522.3 |
| New York Power Authority | 245.0 | 4.1 | | 240.9 | 0.74% | 6.5 | 240.9 | 247.4 |
| Partial Requirement Customers | <u>79.2</u> | <u>1.3</u> | | <u>77.9</u> | <u>0.24%</u> | <u>2.1</u> | <u>77.9</u> | <u>80.0</u> |
| | 324.2 | 5.4 | | 318.8 | 0.98% | 8.6 | 318.8 | 327.4 |
| New York State Electric & Gas | 3,058.1 | 101.0 | | 2,957.1 | 9.12% | 79.8 | 2,957.1 | 3,036.9 |
| Losses | | | | 0.0 | | | | 0.0 |
| Full Requirement Customers | 47.3 | 1.6 | | 45.7 | 0.14% | 1.2 | 45.7 | 46.9 |
| Partial Requirement Customers | 80.8 | 2.7 | | 78.1 | 0.24% | 2.1 | 78.1 | 80.2 |
| | <u>0.0</u> | <u>0.0</u> | | <u>0.0</u> | <u>0.00%</u> | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| | 3,186.2 | 105.3 | | 3,080.9 | 9.50% | 83.1 | 3,080.9 | 3,164.0 |
| National Grid | 6,778.5 | 479.4 | 27.5 | 6,271.6 | 19.35% | 169.2 | 6,271.6 | 6,440.8 |
| Losses | | | | 0.0 | | | | |
| Full Requirement Customers | 114.3 | 8.1 | | 106.2 | 0.33% | 2.9 | 106.2 | 109.1 |
| Partial Requirement Customers | 221.5 | 15.7 | | 205.8 | 0.63% | 5.5 | 205.8 | 211.3 |
| Jamestown | 81.8 | 5.8 | | 76.0 | 0.23% | 2.0 | 76.0 | 78.0 |
| 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> |
| | 7,196.1 | 509.0 | | 6,659.6 | 20.54% | 179.6 | 6,659.6 | 6,839.2 |
| Orange & Rockland Utilities | 1,136.0 | 14.4 | | 1,121.6 | 3.46% | 30.2 | 1,121.6 | 1,151.8 |
| Rochester Gas & Electric | 1,550.8 | 14.9 | | 1,535.9 | 4.74% | 41.4 | 1,535.9 | 1,577.3 |
| Partial Requirement Customers | <u>11.1</u> | <u>0.1</u> | | <u>11.0</u> | <u>0.03%</u> | <u>0.3</u> | <u>11.0</u> | <u>11.3</u> |
| | 1,561.9 | 15.0 | | 1,546.9 | 4.77% | 41.7 | 1,546.9 | 1,588.6 |
| Totals | 33,335.3 | 874.1 | 44.6 | 32,416.6 | 100.00% | 874.1 | 32,416.6 | 33,290.7 |

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 | 12,149.7 | 11.9 | 1,239.0 | 13,400.6 |
| LIPA | 5,034.1 | 0.0 | 411.2 | 5,445.3 |
| NGrid | 6,334.5 | 0.1 | 861.5 | 7,196.1 |
| NYPA | 321.3 | 0.0 | 2.9 | 324.2 |
| NYSEG | 2,733.0 | 0.0 | 453.2 | 3,186.2 |
| O&R | 960.0 | 0.0 | 176.0 | 1,136.0 |
| RG&E | 1,257.4 | 6.7 | 297.8 | 1,561.9 |
| Total | 29,797.9 | 18.8 | 3,518.6 | 33,335.3 |
| Check | 29,797.9 | 18.8 | 3,518.6 | 33,335.3 |

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 | | 264.0 | 1,312.0 | 10,585.6 | 12,161.6 | 12,149.7 | 11.9 |
| NYSEG | 21.0 | 316.1 | | | 337.1 | 337.1 | 0.0 |
| O&R | 960.0 | | | | 960.0 | 960.0 | 0.0 |
| Total | 1,989.0 | 580.1 | 1,312.0 | 10,585.6 | 14,466.7 | 14,454.7 | 12.0 |
| Check Actual | 1,988.9 | 580.1 | 1,312.0 | 10,573.7 | 14,454.7 | | |
| Check SCR | 0.1 | 0.0 | 0.0 | 11.9 | 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) | Check |
| Transmission District | Zone G | Zone H | Zone I | Zone J | Total, GHJ | |
| Gen. Hud. Con Ed | 1,085.0 | 293.6 | 1,458.8 | 11,648.2 | 1,085.0 13,400.6 | 1085.0 13400.6 |
| NYSEG O&R | 22.9 1,136.0 | 345.1 | | | 368.0 1,136.0 | 368.0 1136.0 |
| Total | 2,243.9 | 638.7 | 1,458.8 | 11,648.2 | 15,989.6 | 15989.6 |
| Check | 2,243.9 | 638.7 | 1,458.8 | 11,648.2 | 15,989.6 | |

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 | 296.50 | 1,473.40 | 11,764.70 | 1,095.90 13,534.60 | |
| NYSEG O&R | 23.10 1,147.40 | 348.60 | | | 371.70 1,147.40 | |
| Total | 2,266.40 | 645.10 | 1,473.40 | 11,764.70 | 16,149.60 | |
| NCP/CP Ratio | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | |
| Check | 2,266.3 | 645.1 | 1,473.4 | 11,764.7 | 16,149.5 | |

G-J Locality – Actual, Weather Adjusted and Forecast

Step 4: Apply Regional Load Growth Factors to the Weather-Adjusted G-J Locality to obtain the 2015 forecast.

| (4) 2015 Non-Coincident Peak Forecast for Zones G, H, I and J | | | | | | |
|--|-----------------|--------------|----------------|-----------------|---------------------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | |
| Transmission District | Zone G | Zone H | Zone I | Zone J | Total, GHIJ | Regional Load Growth Factors |
| Gen. Hud. Con Ed | 1,098.1 | 300.4 | 1,492.6 | 11,917.6 | 1,098.1 13,710.6 | 1.0020 1.0130 1.0034 1.0060 0.9951 |
| NYSEG O&R | 23.2 1,157.7 | 350.4 | | | 373.6 1,157.7 | 1.0050 1.0090 1.0080 |
| Total | 2,279.0 | 650.8 | 1,492.6 | 11,917.6 | 16,340.0 | 1.0118 |

Summary of Zone J, Zone K and G-J Locality Data

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
|---------------------|----------------|--------------------|-----------------------|----------------------------|------------------------------|--------------------|
| Locality | 2014 Actual MW | Demand Response MW | Weather Adjustment MW | 2014 Weather Normalized MW | Regional Load Growth Factors | 2015 ICAP Forecast |
| Zone J - NYC | 10,574.2 | 11.9 | 1,190.2 | 11,776.3 | 1.0130 | 11,929.4 |
| Zone K - LI | 5,048.0 | 0.0 | 472.0 | 5,520.0 | 1.00344 | 5,539.0 |
| Zone GHIJ | 14,454.0 | 12.0 | 1,522.9 | 16,149.6 | 1.01179 | 16,340.0 |

Note: The Zone J Locality peak forecast (11,929.4 MW) exceeds that of the Zone J component (11,917.6 MW) of the G to J Locality, as required.

2015 New York Control Area Peak Load Forecast (MW)

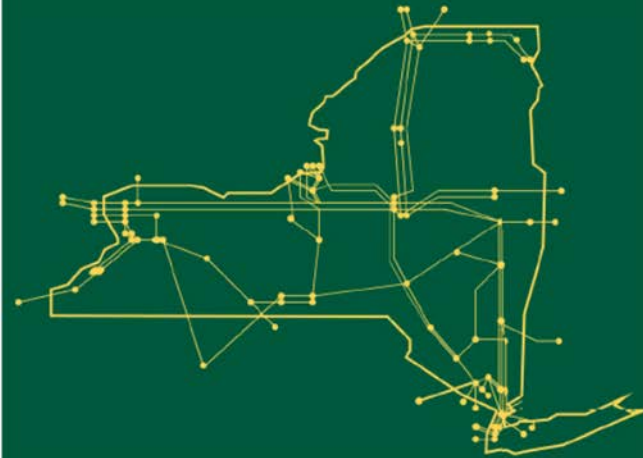
| Preliminary 12/19/2014 Version 4 | Transmission Districts | 2014 Weather Normalized MW Load + Losses MW | Regional Load Growth Factor | 2015 Forecast At Time of NYCA Peak | 2015 Locality Forecasts | | |
|--|--|---|-----------------------------------|--|-------------------------|----------------|-----------------|
| | | | | | J Locality | K Locality | G-J Locality |
| | Central Hudson | 1,081.4 | 1.0020 | 1,083.6 | | | 1098.1 |
| | Consolidated Edison | 13,616.0 | 1.0130 | 13,793.0 | 11,929.4 | | 13710.6 |
| | Long Island Power Authority | 5,286.3 | 1.0034 | 5,304.5 | | | |
| | Full Requirements Customers | 143.8 | 1.0034 | 144.3 | | | |
| | Other LSEs | 92.2 | 1.0034 | 92.5 | | | |
| | LIPA Total | 5,522.3 | 1.0034 | 5,541.3 | | 5,539.0 | |
| | New York Power Authority | 247.4 | 0.9905 | 245.0 | | | |
| | Partial Requirements Customers | 80.0 | 1.0100 | 80.8 | | | |
| | NYPA Total | 327.4 | 0.9951 | 325.8 | | | |
| | New York State Electric & Gas | 3,036.9 | 1.0050 | 3,052.1 | | | 373.6 |
| | Full Requirements Customers | 46.9 | 1.0050 | 47.1 | | | |
| | Partial Requirements Customers | 80.2 | 1.0050 | 80.6 | | | |
| | NYSEG Total | 3,164.0 | 1.0050 | 3,179.8 | | | |
| | National Grid | 6,440.8 | 1.0060 | 6,479.4 | | | |
| | Full Requirements Customers | 109.1 | 1.0060 | 109.8 | | | |
| | Partial Requirements Customers | 211.3 | 1.0060 | 212.6 | | | |
| | Jamestown | 78.0 | 1.0060 | 78.5 | | | |
| | N-Grid Total | 6,839.2 | 1.0060 | 6,880.3 | | | |
| | Orange & Rockland Utilities | 1,151.8 | 1.0090 | 1,162.2 | | | 1157.7 |
| | Rochester Gas & Electric | 1,577.3 | 1.0080 | 1,589.9 | | | |
| | Partial Requirements Customers | 11.3 | 1.0080 | 11.4 | | | |
| | RG&E Total | 1,588.6 | 1.0080 | 1,601.3 | | | |
| | Total Load in NYCA or Locality | 33,290.7 | 1.0083 | 33,567.3 | 11,929.4 | 5,539.0 | 16,340.0 |

2015 Coincident Peak Forecast by Transmission District & Zone *Prior to Proportional Allocation of Losses*

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
|-----------------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|----------------|
| Transmission District | A | B | C | D | E | F | G | H | I | J | K | 2015 Forecast |
| Cen. Hud. | | | | | | | 1087.2 | | | | | 1087.2 |
| Con Ed | | | | | | | | 297.4 | 1477.8 | 11799.6 | | 13574.9 |
| LIPA | | | | | | | | | | | 5463.6 | 5463.6 |
| NGrid | 1932.9 | 467.3 | 1426.7 | 114.3 | 1017.4 | 2237.7 | | | | | | 7196.3 |
| NYPA | | | | 322.6 | | | | | | | | 322.6 |
| NYSEG | 702.0 | | 1496.7 | 114.1 | 380.7 | 138.7 | 23.0 | 346.9 | | | | 3202.1 |
| O&R | | | | | | | 1146.2 | | | | | 1146.2 |
| RG&E | | 1574.4 | | | | | | | | | | 1574.4 |
| Total | 2634.9 | 2041.7 | 2923.4 | 551.0 | 1398.1 | 2376.4 | 2256.4 | 644.4 | 1477.8 | 11799.6 | 5463.6 | 33567.3 |

Values shown here may differ from other results due to rounding.

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