# NEW YORK STATE ELECTRIC & GAS

# CORPORATION




## 2010 Annual Reliability Report

## March 30, 2011

Submitted in compliance with:
Case 02-E-1240 – Standards on Reliability of Electric Service – Annual Report
As Amended in Electric Service Standards Annual Reliability Report Guidelines – 12/19/2008

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# DEFINITIONS

**CAIDI** (Customer Average Interruption Duration Index) – the average time needed to restore service to the average customer per sustained interruption. It is the sum of customer interruption durations divided by the total number of customer interruptions

**CAIDI** = Sum total of customer hours of interruption / Sum total of customers Interrupted

**Customer Hours of Interruption** - the duration of an interruption (hours) multiplied by the number of customers affected (interrupted) for a given interruption.

**Customer** - actively metered electric customer.

**Distortion (Harmonics)** - non-fundamental frequency components of a distorted 60 Hz power wave. Harmonic frequencies are integral multiples of the 60 Hz fundamental frequency. The odd-multiple harmonics are usually most troublesome. Harmonics are usually produced by the customer's equipment.

**Failed Division** - any division that did not meet the PSC level of CAIDI and/or SAIFI as established in PSC case 02-E-1240.

**Flicker (Voltage)** - a variation of input voltage sufficient in duration to allow visual observation of a change in electric light source intensity.

**Interruption** - loss of electric service for more than five minutes to one or more customers.

**Major Storm** - a weather event that causes at least 10% of the metered customers in an operating area to be without service and/or that results in any metered customers to be without service for 24 hours or more.

**Momentary Interruption** - a loss of electric service to one or more customers with a duration lasting less than five minutes.

**Outage Duration** - measured from time reported until service is restored (in minutes).

**Overvoltage** - a steady state (0.5 seconds or longer) voltage delivered to the customer's service in excess of the ANSI upper service voltage limit (126 volts on a 120 volt service).

**Power Quality** – The characteristics of electric power received by the customer, with the exception of interruptions.

**RI/TVI** - radio or TV interference; see Electrical Noise.

**Reliability** - the degree to which electric service is supplied without interruption.

**SAIFI** (System Average Interruption Frequency Index) – is the average frequency of sustained interruptions per customer over a predefined area. It is the total number of customer interruptions divided by the total number of customers served.

**SAIFI** = Number of Customers Interrupted / Number of Customers Served

**Sag (Voltage)** - a momentary drop in voltage (more than 5% below the nominal voltage) for a time duration of 0.015 to 0.5 seconds. Voltage sags can be caused by faults or switching on the utility transmission and distribution system or by switching of customer loads that have large initial inrush/starting currents (e.g. motors, transformers, large DC power supplies).

**Stray Voltage** - a voltage usually less than 10 volts between two points that can be contacted simultaneously by a human or an animal.

**Swell (Voltage)** - a momentary rise in voltage (more than 5% above nominal) for a time duration of 0.015 to 0.5 seconds. This rise is caused by a fault on one phase of the system. The voltage rise is not experienced on the faulted phase.

**Transient** - a sub-cycle voltage wave in an electric circuit, which is evidenced by a sharp, brief disturbance of the input-power voltage waveform. The duration is less than half-cycle of the normal voltage waveform and often less than one millisecond. (Switching transients may be caused by the utility breakers, capacitors, etc., or by the customer on/off equipment switching, load cycling, etc.).

**Undervoltage** - a steady state (0.5 seconds or longer) voltage delivered to the customer's service below the lower service voltage limit (114 volts on a 120 volts system).

## PSC Interruption Classes

1. Major Storm
2. Tree Contacts
3. Overloads
4. Operating or Working Errors
5. Apparatus or Equipment Failures
6. Accidents or Events Not Under the Utility's Control
7. Prearranged
8. Customer's Equipment Failure
9. Lightning
10. Unknown or Unclassified

# Section 1. Assessment of Reliability Performance - Corporate

## Corporate Overview

The New York State Electric and Gas Corporation (NYSEG) electric franchise territory covers 18,359 square miles in New York State. NYSEG serves a population of approximately 2,200,000 people in 42 counties, with an average of 858,269 electric customers as of December 2010. NYSEG serves a primarily rural area comprised of 149 small cities and villages with 4,500 circuit miles of transmission lines, 32,800 circuit miles of primary distribution lines , served from 444 substations. 1.

NYSEG's electric service territory covers approximately 40% of New York State. NYSEG's Corporate Office is located in Kirkwood, New York. The Company is organized with 13 distinct operating divisions spread across the state – Auburn, Binghamton, Brewster, Elmira, Geneva, Hornell, Ithaca, Lancaster, Liberty, Lockport, Mechanicville, Oneonta and Plattsburgh. For reliability reporting purposes, the Lockport Division is combined with Lancaster.

The following table shows the Corporate five-year history of performance, excluding major storms:

**CORPORATE PERFORMANCE WITHOUT MAJOR STORMS**

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI** | 2.01 | 2.22 | 2.08 | 2.00 | 1.98 |
| **SAIFI** | 1.11 | 1.19 | 1.11 | 1.08 | 1.14 |
| Interruptions | 9,682 | 10,325 | 10,027 | 9,644 | 9,770 |
| Customer Hours | 1,913,315 | 2,280,383 | 1,980,217 | 1,848,600 | 1,934,746 |
| Customers Interrupted | 953,941 | 1,028,042 | 953,107 | 922,448 | 975,379 |
| Customers Connected | 859,440 | 860,609 | 860,259 | 857,437 | 858,269 |

**NYSEG met the PSC CAIDI and SAIFI targets in 2010.**
**The levels for 2010 were – CAIDI (2.08) and SAIFI (1.20)**

# Corporate Performance: CAIDI & SAIFI by PSC cause codes –

| NEW YORK STATE ELECTRIC AND GAS CORPORATE | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 24.12 | 6.80 | 12.45 | 4.54 | 7.51 |
| 2 | Tree Contacts | 2.47 | 2.58 | 2.54 | 2.21 | 2.43 |
| 3 | Overloads | 2.71 | 1.54 | 1.80 | 1.89 | 2.21 |
| 4 | Operational Errors | 0.72 | 0.35 | 0.39 | 1.77 | 0.76 |
| 5 | Equipment Failures | 1.62 | 1.80 | 1.79 | 2.01 | 1.52 |
| 6 | Accidents/Non-Utility | 1.77 | 1.98 | 1.63 | 1.59 | 2.06 |
| 7 | Prearranged | 1.47 | 1.33 | 1.49 | 1.26 | 0.93 |
| 8 | Customer Equipment | 1.02 | 3.37 | 1.90 | 1.50 | 1.01 |
| 9 | Lightning | 2.01 | 2.79 | 2.07 | 2.10 | 2.32 |
| 10 | Unknown | 2.30 | 2.01 | 2.08 | 1.78 | 1.47 |

| NEW YORK STATE ELECTRIC AND GAS CORPORATE | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.67 | 0.53 | 1.03 | 0.39 | 0.70 |
| 2 | Tree Contacts | 0.35 | 0.39 | 0.41 | 0.43 | 0.40 |
| 3 | Overloads | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 |
| 4 | Operational Errors | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 |
| 5 | Equipment Failures | 0.31 | 0.32 | 0.23 | 0.23 | 0.27 |
| 6 | Accidents/Non-Utility | 0.20 | 0.19 | 0.17 | 0.18 | 0.22 |
| 7 | Prearranged | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 8 | Customer Equipment | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 |
| 9 | Lightning | 0.13 | 0.17 | 0.16 | 0.14 | 0.08 |
| 10 | Unknown | 0.08 | 0.09 | 0.10 | 0.07 | 0.12 |

# 2010 Major Storm Exclusions – Summary Table

| Storm Event # | Event Start | Event Stop | Division | Start Date | End Date | Ints | CstAff | CstHrs |
|---|---|---|---|---|---|---|---|---|
| 1 | 1/24/2010 | 1/27/2010 | Brewster | 1/25/2010 | 1/27/2010 | 129 | 17,334 | 65,992 |
| | | | Mechanicville | 1/24/2010 | 1/25/2010 | 24 | 6,605 | 10,479 |
| 2 | 2/23/2010 | 2/27/2010 | Liberty | 2/23/2010 | 2/27/2010 | 226 | 41,942 | 379,528 |
| | | | Mechanicville | 2/23/2010 | 2/27/2010 | 343 | 14,311 | 222,612 |
| | | | Oneonta | 2/23/2010 | 2/27/2010 | 235 | 13,853 | 96,907 |
| | | | Plattsburgh | 2/24/2010 | 2/26/2010 | 164 | 15,641 | 58,289 |
| 3 | 2/25/2010 | 3/3/2010 | Brewster | 2/25/2010 | 3/3/2010 | 519 | 72,690 | 1,023,617 |
| 4 | 3/13/2010 | 3/16/2010 | Brewster | 3/13/2010 | 3/15/2010 | 212 | 30,793 | 372,761 |
| | | | Liberty | 3/13/2010 | 3/16/2010 | 185 | 20,422 | 208,936 |
| | | | Mechanicville | 3/13/2010 | 3/14/2010 | 199 | 10,788 | 105,352 |
| 5 | 4/27/2010 | 4/29/2010 | Plattsburgh | 4/27/2010 | 4/29/2010 | 104 | 15,477 | 44,861 |
| 6 | 5/4/2010 | 5/5/2010 | Mechanicville | 5/4/2010 | 5/5/2010 | 35 | 2,676 | 18,876 |
| 7 | 5/8/2010 | 5/12/2010 | Auburn | 5/8/2010 | 5/9/2010 | 34 | 3,021 | 7,606 |
| | | | Binghamton | 5/8/2010 | 5/9/2010 | 83 | 3,962 | 26,806 |
| | | | Brewster | 5/8/2010 | 5/12/2010 | 209 | 13,236 | 124,615 |
| | | | Elmira | 5/8/2010 | 5/9/2010 | 87 | 6,031 | 43,965 |
| | | | Geneva | 5/8/2010 | 5/9/2010 | 56 | 5,394 | 31,573 |
| | | | Hornell | 5/8/2010 | 5/9/2010 | 49 | 5,059 | 24,978 |
| | | | Ithaca | 5/8/2010 | 5/9/2010 | 84 | 4,797 | 56,065 |
| | | | Lancaster | 5/8/2010 | 5/10/2010 | 281 | 38,353 | 149,088 |
| | | | Liberty | 5/8/2010 | 5/9/2010 | 62 | 7,447 | 27,031 |
| | | | Lockport | 5/8/2010 | 5/10/2010 | 25 | 2,376 | 8,315 |
| | | | Oneonta | 5/8/2010 | 5/9/2010 | 88 | 11,105 | 56,786 |
| 8 | 6/6/2010 | 6/8/2010 | Brewster | 6/6/2010 | 6/8/2010 | 91 | 13,725 | 82,619 |
| 9 | 6/24/2010 | 6/26/2010 | Brewster | 6/24/2010 | 6/26/2010 | 94 | 8,616 | 34,868 |
| 10 | 7/5/2010 | 7/8/2010 | Brewster | 7/5/2010 | 7/8/2010 | 77 | 9,296 | 17,254 |
| 11 | 7/10/2010 | 7/10/2010 | Mechanicville | 7/10/2010 | 7/10/2010 | 13 | 8,951 | 18,903 |
| 12 | 7/12/2010 | 7/12/2010 | Plattsburgh | 7/12/2010 | 7/12/2010 | 10 | 5,503 | 9,353 |
| 13 | 7/17/2010 | 7/19/2010 | Mechanicville | 7/17/2010 | 7/19/2010 | 30 | 4,411 | 37,485 |
| | | | Oneonta | 7/17/2010 | 7/18/2010 | 61 | 5,075 | 34,688 |
| 14 | 7/21/2010 | 7/25/2010 | Auburn | 7/21/2010 | 7/21/2010 | 24 | 1,155 | 4,215 |
| | | | Binghamton | 7/21/2010 | 7/23/2010 | 72 | 7,457 | 30,869 |
| | | | Brewster | 7/21/2010 | 7/25/2010 | 198 | 25,387 | 241,431 |
| | | | Lancaster | 7/24/2010 | 7/25/2010 | 29 | 7,641 | 42,838 |
| | | | Liberty | 7/21/2010 | 7/23/2010 | 71 | 5,096 | 48,790 |
| 15 | 8/16/2010 | 8/16/2010 | Mechanicville | 8/16/2010 | 8/16/2010 | 26 | 6,122 | 63,020 |
| 16 | 8/20/2010 | 8/24/2010 | Brewster | 8/22/2010 | 8/24/2010 | 90 | 15,266 | 52,899 |
| | | | Mechanicville | 8/20/2010 | 8/24/2010 | 90 | 3,237 | 24,208 |
| 17 | 9/30/2010 | 10/2/2010 | Brewster | 9/30/2010 | 10/2/2010 | 216 | 40,253 | 198,271 |
| | | | Oneonta | 9/30/2010 | 10/1/2010 | 70 | 3,103 | 20,700 |
| 18 | 10/15/2010 | 10/16/2010 | Plattsburgh | 10/15/2010 | 10/16/2010 | 57 | 6,572 | 12,641 |
| 19 | 11/30/2010 | 12/2/2010 | Brewster | 12/1/2010 | 12/2/2010 | 148 | 21,181 | 96,642 |
| | | | Mechanicville | 12/1/2010 | 12/2/2010 | 87 | 9,493 | 36,495 |
| | | | Plattsburgh | 11/30/2010 | 12/2/201 | 80 | 10,507 | 48,179 |
| 20 | 12/26/2010 | 12/28/2010 | Brewster | 12/26/2010 | 12/28/2010 | 122 | 16,555 | 165,783 |
| | | | Liberty | 12/27/2010 | 12/28/2010 | 20 | 2,815 | 15,855 |

**Corporate corrective actions due to not meeting reliability indices and/or due to adverse trends in specific categories –**

NYSEG continued to provide high levels of electric service reliability to its customers in 2010. Both the CAIDI and SAIFI year end measures met the Corporate target levels. Analysis of the above PSC interruption class CAIDI and SAIFI five year tables do not indicate adverse reliability trends. Corporate corrective actions are not warranted at this time.

# Major Distribution Capital Investments in 2010 –

**2010 Major Capital Project Investments**

| Project Title | Prior Act | 2010 Act | Total |
|---|---|---|---|
| 4th Street Sub UG Distribution | $0 | $202,000 | $202,000 |
| Bankert Rd Transformer Repl & New Ckt | $1,052,024 | $502,617 | $1,554,641 |
| Bath SS Upgrd-Steuben REC Gen Add | $0 | $41,261 | $41,261 |
| Bedford Hills - Replace Bank #2 | $0 | $218,787 | $218,787 |
| Birdsall St Ckt 160 MGP Relocation | $0 | $16,625 | $16,625 |
| Brewster RTU Project | $0 | $248,667 | $248,667 |
| Cantitoe - Add 2nd 13.2kV Circuit | $0 | $30,108 | $30,108 |
| City of Elmira Promenade Reloc Fac | $0 | $117,813 | $117,813 |
| Cobb Hill Tap (Ckt 609) Conversion | $0 | $924,319 | $924,319 |
| Coddington LTCCapacity 115-34.5kV Xfmr | $0 | $205,800 | $205,800 |
| Davis Rd 4th Circuit | $0 | $507,604 | $507,604 |
| DOE Stimulus Prgm-Capacitor Banks-NYSEG | $0 | $22,115 | $22,115 |
| Eelpot, Add 2nd 115-34.5kV Transformer | $0 | $203,774 | $203,774 |
| Flat Street Substation New Transformer | $0 | $173,387 | $173,387 |
| Glenwood - Repl. Substation Transformer | $0 | $21,496 | $21,496 |
| Greenidge Substation Grounding Bank | $0 | $284,453 | $284,453 |
| Hillside Sub Transformer #3 Replacement | $10,937 | $3,047,751 | $3,058,688 |
| Ithaca-County Hospital Regulator Repl | $49,342 | $22,879 | $72,221 |
| Kattelville 115kv Ckt Switcher Addition | $0 | $40,478 | $40,478 |
| Klinekill-Valkin-Construct New 115kV TL | $0 | $48,604 | $48,604 |
| LFTC 115kV Interconnection | $0 | $295,982 | $295,982 |
| Line 807 Conversion to 115kV | $1,501,184 | $746,531 | $2,247,715 |
| Luther Forest-Elec Svc to LFTC Substation | $95,465 | $146,570 | $242,035 |
| Mechanicville Reinforcement Project | $0 | $458,313 | $458,313 |
| Meyer Sub - Add 115kV Capacitor Bank | $0 | $52,126 | $52,126 |
| Meyer Substation New Transformer | $0 | $206,016 | $206,016 |
| Moraine Road - Add 2 115kV Breakers | $0 | $125,335 | $125,335 |
| Mountaindale Sub Bank Repl & New DL Ckts | $2,297,336 | $21,688 | $2,319,024 |
| Mulberry Substation, Repl 115kV Switches | $0 | $91,709 | $91,709 |
| Nanticoke Landfill Gens 5&6 Add-Ckt 428 | $0 | $34,765 | $34,765 |
| NYSEG RTU Installation Project | $0 | $664,025 | $664,025 |
| Poundridge #1 Transf Repl - Brewster | $209,715 | $985,046 | $1,194,761 |
| Richfield Springs Substa New Transformer | $0 | $203,796 | $203,796 |
| Roll Road Sub - Add 4th Circuit | $0 | $139,238 | $139,238 |
| Rolling Hills URD, Cary Rd, T/Halfmoon | $0 | $42,596 | $42,596 |
| S. Perry New 230kV Transformer Project | $0 | $386,367 | $386,367 |
| S. Perry, Add 2nd 115-34.5kV Transformer | $0 | $203,702 | $203,702 |
| Silver Creek Sub New Transformer | $0 | $22,724 | $22,724 |
| Stephentown Sub Upgrd - Beacon Flywheel | $0 | $72,882 | $72,882 |
| Stephentown Substation New Transformer | $0 | $183,502 | $183,502 |
| Walden 69kV Transm Line Upgrade | $78,585 | $37,439 | $116,024 |
| Watercure Rd Sub-Install 2nd 345kV Xfmr | $0 | $376,714 | $376,714 |
| Westover (Goudey) New Xfmer Bank | $0 | $203,774 | $203,774 |
| Willet Substation New Transformer | $0 | $173,387 | $173,387 |

Reliability indices will be monitored going forward to assess the impact of the individual projects on reliability performance.

## Specific Distribution Reliability Projects/Investments in 2010 –

| Name | Description | Actual |
|---|---|---|
| Reconductor, Interlaken/705, lodi | Reconductor appx 5303' of #6 cwd on darling rd between lodi-rd and townsendville rd , includes replacement of 8 poles. | $262,744 |
| The Meadows 3rd ph Dahlia Rd T Liberty | Install 7058' of one wire 1/0 baaac primary "The Meadows" subdivision. Replace 8098' of existing 2 bacsr primary installed in 1949 & 1952. Also replacing 5 old short poles. | $242,075 |
| Recloser Initiative-PB 633 Rt38 | Install a 3 phase, 4800 volt recloser on line #1, pole #132, located on Route 38. Part of NYSEG's 2010 Recloser Reliability Program | $237,153 |
| Interlaken 705 L924 BETZLER R | Reconductor approximately 5748' of #6 cwd on Betzler rd from Townsendville rd to just past Keady rd in the town of Lodi, also includes replacement of 11 poles. | $233,178 |
| Lines 761 & 1202 / burke & pardy | Replace all poles on the Burke and Pardy roads and replace all copper weld with 4/0 aaac to upgrade facilities. | $224,916 |
| Reconductor route 22, Pawling | Replace 7,242 feet of #2 Copper Primary wire with 7,242 feet of 4/0 Poly AAAC Primary wire, replace 14 poles | $210,339 |
| Reconductor RT 22 Patteson | Replace 10,938 feet of #2 Copper primary wire with 10,938 feet of 4/0 AAAC primary wire, install 1-3 phase group operated switch on pole 214A, replace 19 poles | $209,052 |
| Replace poles/recond L675/1-15 3404 | Replace 10 poles with 45/40'& 1-50/40' joint poles, 2170' of 3 wire delta primary with 4/0 baaac, add neutral 1/0 baaac primary for future line conversion to 12.5 kv | $207,778 |
| Replace Poles Job4-Salt Rd, Clarence | Replace 24 - 45', 2 - 35', 1 - 35', 216' - B. AAAC primary (2 conductors, semi-slack span. Primary conductors are being replaced to avoid splices on semi-slack span. | $199,450 |
| Eldred Farms CrawfordRd Highland | Install 14 poles, 5049' of 1/0 baaac 1 phase wye conductor, 9-10 kva & 1-25 kva transformers, 1- 25 kva pad mounted transformer, and 1 100 amp cutout. Retire 5049' 8acwd primary,10 poles, 11 transformers, 1-167 kva step transformer ,5 100A cutouts, 2 200 amp cutouts and solids The existing primary & poles were installed mostly in 1942. | $191,695 |
| Replace Defective Fac's on East Ave | Replace 18 poles and 3 transformers on East Ave in Lockport. Poles are listed on the Pole Replacement Chart which was issued in July 2010. The transformers are overloaded or outdated | $181,167 |
| North Lansing 522 Rebuild | Nineteen poles will be set and 8020' of #4A copper weld,1947, will be replaced with 1/0AAAC. The #4 wire feeds two line extensions built with 1/0 wire, and one extension with #2 wire. Sixteen poles are defective, set in 1947 | $180,033 |
| Roosevelt Ave/Woodridge/pole replacement | Replace 19 sub-standard poles that were installed in 1944 and 1958 | $179,081 |
| Reliability Wallace rd | Replace 13 poles, 14-primary spans and 10-secondary spans of inadequate conductors along with new transformers on Wallace rd | $174,508 |
| Replace poles on line 143 CR75N | Replace 19 aged, 35 & 40 foot poles (55 to 75 years old) with 50 foot poles and upgrade to 3-phase 34.5kv armless construction | $167,218 |

Reliability indices will be monitored going forward to assess the impact of the individual projects on reliability performance.

## Specific distribution reliability projects/investments to be taken based on the results from the annual distribution facility inspection reports provided in January of each year –

Equipment inspection is one method for identifying work necessary to maintain reliability. The Company performs a visual inspection of its overhead distribution system based on a 5-year cycle. Each discrepancy found during the distribution system inspection is identified and prioritized during the inspection. Each discrepancy is classified as a Level I, Level II, or Level III condition. The Operations Department plans, schedules, and performs corrective actions. Discrepancies are resolved (repaired or replaced) based upon these inspection results. The results of this inspection program are explained in the annual Stray Voltage Test and Inspection report that is submitted each February.

Additional work is performed through the TDIRP Initiative. Reliability work completed through this program is discussed in Section 3 of this report.

# Section 2. Assessment of Reliability Performance – Divisions

## Auburn Division

The following table shows the Auburn five-year history of performance, excluding major storms:

### AUBURN PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 1.75)** | 1.53 | 2.38 | 1.94 | 1.56 | 1.63 |
| **SAIFI (goal - 1.00)** | 0.62 | 0.55 | 0.86 | 0.63 | 0.79 |
| Interruptions | 362 | 389 | 379 | 355 | 322 |
| Customer Hours | 34,506 | 47,532 | 60,313 | 35,616 | 46,436 |
| Customers Interrupted | 22,590 | 20,009 | 31,145 | 22,833 | 28,560 |
| Customers Connected | 36,158 | 36,126 | 36,192 | 36,236 | 36,372 |

**Auburn met the PSC CAIDI and SAIFI targets in 2010.**

## Auburn Performance: CAIDI & SAIFI by PSC cause codes –

| AUBURN DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 11.39 | 3.75 | 6.43 | 6.36 | 2.83 |
| 2 | Tree Contacts | 2.67 | 2.98 | 2.10 | 1.32 | 1.71 |
| 3 | Overloads | 2.27 | 1.27 | 3.35 | 1.92 | 1.45 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 |
| 5 | Equipment Failures | 1.08 | 2.06 | 1.99 | 2.18 | 1.73 |
| 6 | Accidents/Non-Utility | 1.22 | 1.57 | 0.94 | 1.70 | 1.19 |
| 7 | Prearranged | 0.89 | 1.23 | 0.72 | 1.01 | 1.64 |
| 8 | Customer Equipment | 6.80 | 3.42 | 3.40 | 2.00 | 1.00 |
| 9 | Lightning | 1.39 | 2.53 | 3.22 | 2.20 | 2.21 |
| 10 | Unknown | 1.78 | 1.39 | 2.19 | 1.92 | 1.25 |

| AUBURN DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.11 | 0.24 | 0.28 | 0.12 | 0.11 |
| 2 | Tree Contacts | 0.13 | 0.19 | 0.41 | 0.40 | 0.28 |
| 3 | Overloads | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | Equipment Failures | 0.18 | 0.08 | 0.23 | 0.08 | 0.23 |
| 6 | Accidents/Non-Utility | 0.17 | 0.09 | 0.15 | 0.09 | 0.19 |
| 7 | Prearranged | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.13 | 0.16 | 0.06 | 0.06 | 0.07 |
| 10 | Unknown | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |

## Binghamton Division

The following table shows the Binghamton five-year history of performance, excluding major storms:

### BINGHAMTON PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.00)** | 1.72 | 1.50 | 1.62 | 1.81 | 1.40 |
| **SAIFI (goal - 1.00)** | 0.88 | 1.02 | 0.78 | 0.71 | 0.95 |
| Interruptions | 865 | 979 | 971 | 750 | 849 |
| Customer Hours | 171,100 | 172,981 | 140,719 | 143,003 | 147,343 |
| Customers Interrupted | 99,493 | 115,221 | 86,600 | 78,800 | 105,522 |
| Customers Connected | 113,620 | 112,652 | 111,730 | 111,345 | 111,311 |

**Binghamton met the PSC CAIDI and SAIFI targets in 2010.**

## Binghamton Performance: CAIDI & SAIFI by PSC cause codes –

| BINGHAMTON DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 21.00 | 7.81 | 1.80 | 2.47 | 4.99 |
| 2 | Tree Contacts | 1.87 | 1.97 | 2.28 | 1.72 | 2.15 |
| 3 | Overloads | 1.55 | 1.90 | 2.98 | 3.33 | 1.13 |
| 4 | Operational Errors | 0.58 | 0.47 | 0.24 | 0.00 | 0.00 |
| 5 | Equipment Failures | 1.66 | 1.02 | 1.55 | 1.68 | 1.12 |
| 6 | Accidents/Non-Utility | 1.45 | 1.33 | 1.41 | 2.25 | 1.42 |
| 7 | Prearranged | 1.25 | 2.07 | 0.66 | 1.05 | 1.65 |
| 8 | Customer Equipment | 2.50 | 2.18 | 1.63 | 1.00 | 2.02 |
| 9 | Lightning | 2.36 | 1.57 | 2.01 | 2.36 | 2.81 |
| 10 | Unknown | 1.80 | 1.57 | 1.31 | 1.24 | 0.66 |

| BINGHAMTON DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.29 | 0.21 | 0.11 | 0.15 | 0.10 |
| 2 | Tree Contacts | 0.30 | 0.27 | 0.27 | 0.26 | 0.28 |
| 3 | Overloads | 0.01 | 0.02 | 0.00 | 0.00 | 0.01 |
| 4 | Operational Errors | 0.04 | 0.02 | 0.08 | 0.00 | 0.00 |
| 5 | Equipment Failures | 0.25 | 0.26 | 0.18 | 0.21 | 0.28 |
| 6 | Accidents/Non-Utility | 0.15 | 0.14 | 0.06 | 0.06 | 0.12 |
| 7 | Prearranged | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.09 | 0.18 | 0.04 | 0.12 | 0.02 |
| 10 | Unknown | 0.04 | 0.13 | 0.13 | 0.05 | 0.23 |

## Brewster Division

The following table shows the Brewster five-year history of performance, excluding major storms:

### BREWSTER PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.25)** | 2.31 | 2.08 | 2.31 | 1.81 | 2.16 |
| **SAIFI (goal - 1.70)** | 2.05 | 2.33 | 2.06 | 2.02 | 2.22 |
| Interruptions | 1,227 | 1,381 | 1,495 | 1,313 | 1,389 |
| Customer Hours | 403,767 | 410,988 | 400,433 | 307,807 | 404,076 |
| Customers Interrupted | 174,513 | 197,517 | 173,017 | 170,290 | 187,101 |
| Customers Connected | 84,935 | 84,874 | 84,152 | 84,194 | 84,326 |

**Brewster met the PSC CAIDI target and exceeded the SAIFI target in 2010.**

## Brewster Performance: CAIDI & SAIFI by PSC cause codes –

| BREWSTER DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 9.36 | 11.60 | 8.57 | 3.91 | 8.71 |
| 2 | Tree Contacts | 2.39 | 2.10 | 2.47 | 1.97 | 2.37 |
| 3 | Overloads | 5.77 | 2.79 | 2.86 | 2.92 | 2.42 |
| 4 | Operational Errors | 0.85 | 4.07 | 0.00 | 0.00 | 2.61 |
| 5 | Equipment Failures | 1.46 | 1.90 | 1.33 | 1.79 | 1.95 |
| 6 | Accidents/Non-Utility | 2.25 | 1.92 | 2.15 | 1.37 | 1.97 |
| 7 | Prearranged | 1.33 | 0.69 | 0.69 | 0.52 | 0.60 |
| 8 | Customer Equipment | 2.65 | 1.94 | 1.25 | 1.67 | 5.15 |
| 9 | Lightning | 2.09 | 2.87 | 2.58 | 1.81 | 2.63 |
| 10 | Unknown | 2.59 | 2.17 | 2.79 | 1.54 | 1.87 |

| BREWSTER DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 1.86 | 1.39 | 2.28 | 1.34 | 3.37 |
| 2 | Tree Contacts | 0.88 | 1.03 | 1.06 | 1.18 | 1.11 |
| 3 | Overloads | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | Equipment Failures | 0.19 | 0.29 | 0.27 | 0.17 | 0.21 |
| 6 | Accidents/Non-Utility | 0.46 | 0.53 | 0.29 | 0.27 | 0.49 |
| 7 | Prearranged | 0.00 | 0.01 | 0.02 | 0.02 | 0.02 |
| 8 | Customer Equipment | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.09 | 0.13 | 0.16 | 0.18 | 0.05 |
| 10 | Unknown | 0.42 | 0.32 | 0.26 | 0.20 | 0.34 |

## Brewster Failed Division Review – exceeded 2010 SAIFI target

### Interruption Breakdown by PSC Cause Code

| PSC CAUSE CODE DESCRIPTION | Interruptions | | Customers Interrupted | | Customer Hours of Interruption | |
|---|---|---|---|---|---|---|
| Tree Contacts | 616 | 44.3% | 93,352 | 49.9% | 221,606 | 58.4% |
| Overloads | 26 | 1.9% | 458 | 0.2% | 1,109 | 0.3% |
| Operational Errors | 1 | 0.1% | 106 | 0.1% | 277 | 0.1% |
| Equipment Failures | 165 | 11.9% | 17,611 | 9.4% | 34,368 | 9.1% |
| Accidents/Non-Utility | 374 | 26.9% | 41,243 | 22.0% | 81,268 | 21.4% |
| Prearranged | 11 | 0.8% | 1,512 | 0.8% | 905 | 0.2% |
| Customer Equipment | 8 | 0.6% | 13 | 0.0% | 67 | 0.0% |
| Lightning | 32 | 2.3% | 4,210 | 2.3% | 11,052 | 2.9% |
| Unknown | 156 | 11.2% | 28,596 | 15.3% | 28,596 | 7.5% |
| **TOTALS** | **1,389** | **100.0%** | **187,101** | **100.0%** | **379,248** | **100.0%** |

Summary –
Tree contacts appear to be the overriding factor in SAIFI performance (goal was 1.70, actual was 2.22) for the Brewster Division in 2010. Brewster also experienced a large number of minor storms in 2010, contributing to a high numbers tree incidents for 2010 during events which did not meet the criteria of a major storm.

Planned Corrective Efforts -
In 2010 the Brewster Division completed 178 miles of circuit trim and in 2011 it is projected to trim an additional 152 miles resulting in a total of 330 miles. This trimming program is scheduled for the worst performing circuits in 2011. In addition, the Brewster District has initiated a program to trim approximately 330 miles per year for the next five years. The circuits to be trimmed will be determined by the reliability reports generated at the end of the year.

Other projects scheduled will be the installation of additional reclosers and group operated switches for sectionalizing outages, perform fuse coordinations on poor performing circuits, continue rebuilding bare conductor with poly coated conductor and replacing deteriorated poles.

Capital projects completed in 2010 as a result of 2009 SAIFI failure -

Pawling Circuit 509 rebuild, this will complete a tie to Havilland Hollow Substation

Installed 10 new reclosers on various circuits for sectionalizing

Installed nine new three phase group operated also for sectionalizing

Replaced two PMH 5 switchgears at Heritage Hills due to their poor condition

Relocated feed to senior complex on Hughson Rd.

Replacement or relocation of distribution poles and conductor due to age or inaccessibility.

## Elmira Division

The following table shows the Elmira five-year history of performance, excluding major storms:

### ELMIRA PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.50)** | 2.23 | 2.82 | 2.30 | 2.21 | 2.26 |
| **SAIFI (goal - 1.00)** | 0.85 | 1.15 | 0.98 | 0.97 | 0.93 |
| Interruptions | 838 | 972 | 756 | 250 | 783 |
| Customer Hours | 132,561 | 227,166 | 157,667 | 149,161 | 146,356 |
| Customers Interrupted | 59,456 | 80,641 | 68,616 | 67,587 | 64,632 |
| Customers Connected | 70,355 | 70,184 | 69,987 | 69,601 | 69,642 |

**Elmira met the PSC CAIDI and SAIFI targets in 2010.**

## Elmira Performance: CAIDI & SAIFI by PSC cause codes –

| ELMIRA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 5.06 | 4.77 | 15.34 | 4.21 | 7.29 |
| 2 | Tree Contacts | 2.67 | 3.24 | 2.42 | 2.18 | 2.29 |
| 3 | Overloads | 1.91 | 1.31 | 1.04 | 2.27 | 2.21 |
| 4 | Operational Errors | 0.00 | 1.17 | 2.30 | 0.58 | 1.15 |
| 5 | Equipment Failures | 2.08 | 2.39 | 2.32 | 2.25 | 2.61 |
| 6 | Accidents/Non-Utility | 1.62 | 2.46 | 2.77 | 2.27 | 1.98 |
| 7 | Prearranged | 3.35 | 1.63 | 0.87 | 1.39 | 1.23 |
| 8 | Customer Equipment | 1.80 | 4.60 | 1.58 | 1.33 | 2.48 |
| 9 | Lightning | 2.62 | 3.34 | 2.00 | 2.81 | 2.82 |
| 10 | Unknown | 1.85 | 1.60 | 2.11 | 2.16 | 1.96 |

| ELMIRA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.05 | 0.20 | 0.51 | 0.13 | 0.09 |
| 2 | Tree Contacts | 0.27 | 0.33 | 0.38 | 0.44 | 0.44 |
| 3 | Overloads | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 5 | Equipment Failures | 0.20 | 0.32 | 0.23 | 0.17 | 0.20 |
| 6 | Accidents/Non-Utility | 0.22 | 0.15 | 0.11 | 0.21 | 0.16 |
| 7 | Prearranged | 0.03 | 0.00 | 0.03 | 0.04 | 0.02 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
| 9 | Lightning | 0.07 | 0.28 | 0.14 | 0.07 | 0.04 |
| 10 | Unknown | 0.04 | 0.05 | 0.06 | 0.01 | 0.06 |

## Geneva Division

The following table shows the Geneva five-year history of performance, excluding major storms:

### GENEVA PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.00)** | 1.84 | 1.96 | 1.97 | 1.76 | 1.90 |
| **SAIFI (goal - 1.20)** | 1.10 | 1.35 | 1.10 | 0.95 | 1.07 |
| Interruptions | 646 | 703 | 621 | 692 | 597 |
| Customer Hours | 116,856 | 152,399 | 125,290 | 96,437 | 117,075 |
| Customers Interrupted | 63,609 | 77,592 | 63,605 | 54,810 | 61,594 |
| Customers Connected | 57,772 | 57,626 | 57,753 | 57,891 | 57,804 |

**Geneva met the PSC CAIDI and SAIFI targets in 2010.**

## Geneva Performance: CAIDI & SAIFI by PSC cause codes –

| GENEVA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 5.24 | 4.01 | 9.47 | 0.00 | 5.85 |
| 2 | Tree Contacts | 1.79 | 2.93 | 2.33 | 2.16 | 2.35 |
| 3 | Overloads | 1.57 | 1.51 | 1.76 | 1.06 | 4.38 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.33 | 5.55 |
| 5 | Equipment Failures | 1.79 | 1.31 | 1.87 | 1.21 | 1.69 |
| 6 | Accidents/Non-Utility | 1.93 | 2.25 | 1.54 | 1.40 | 1.81 |
| 7 | Prearranged | 0.72 | 0.64 | 1.50 | 2.07 | 0.54 |
| 8 | Customer Equipment | 2.33 | 1.25 | 1.33 | 1.56 | 1.19 |
| 9 | Lightning | 2.09 | 2.57 | 1.93 | 2.01 | 1.62 |
| 10 | Unknown | 1.77 | 1.29 | 1.54 | 1.37 | 1.75 |

| GENEVA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.34 | 0.45 | 0.94 | 0.00 | 0.09 |
| 2 | Tree Contacts | 0.37 | 0.30 | 0.35 | 0.38 | 0.27 |
| 3 | Overloads | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | Equipment Failures | 0.30 | 0.62 | 0.36 | 0.22 | 0.27 |
| 6 | Accidents/Non-Utility | 0.20 | 0.20 | 0.15 | 0.16 | 0.29 |
| 7 | Prearranged | 0.02 | 0.02 | 0.02 | 0.01 | 0.00 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.14 | 0.18 | 0.20 | 0.15 | 0.16 |
| 10 | Unknown | 0.06 | 0.04 | 0.02 | 0.03 | 0.06 |

## Hornell Division

The following table shows the Hornell five-year history of performance, excluding major storms:

### HORNELL PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.00)** | 1.30 | 2.36 | 1.98 | 2.07 | 2.11 |
| **SAIFI (goal - 1.00)** | 1.22 | 0.67 | 0.73 | 0.95 | 0.75 |
| Interruptions | 571 | 493 | 496 | 0 | 472 |
| Customer Hours | 59,248 | 58,579 | 53,654 | 72,704 | 57,964 |
| Customers Interrupted | 45,515 | 24,824 | 27,030 | 35,131 | 27,437 |
| Customers Connected | 37,260 | 37,078 | 37,099 | 37,080 | 36,694 |

**Hornell exceeded the PSC CAIDI target and met the SAIFI target in 2010.**

## Hornell Performance: CAIDI & SAIFI by PSC cause codes –

| HORNELL DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 2.93 | 5.19 | 7.31 | 8.20 | 6.91 |
| 2 | Tree Contacts | 1.85 | 2.44 | 2.66 | 2.30 | 2.31 |
| 3 | Overloads | 2.56 | 2.59 | 2.90 | 2.75 | 3.33 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 |
| 5 | Equipment Failures | 0.99 | 1.57 | 2.38 | 1.59 | 1.48 |
| 6 | Accidents/Non-Utility | 1.80 | 2.65 | 1.29 | 1.50 | 1.83 |
| 7 | Prearranged | 1.52 | 1.13 | 0.82 | 2.71 | 1.01 |
| 8 | Customer Equipment | 1.71 | 1.62 | 3.00 | 2.10 | 1.00 |
| 9 | Lightning | 0.92 | 3.30 | 1.41 | 2.34 | 2.79 |
| 10 | Unknown | 4.41 | 0.00 | 3.00 | 1.89 | 3.08 |

| HORNELL DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.23 | 0.25 | 0.37 | 0.28 | 0.14 |
| 2 | Tree Contacts | 0.34 | 0.30 | 0.25 | 0.44 | 0.34 |
| 3 | Overloads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | Equipment Failures | 0.42 | 0.18 | 0.13 | 0.18 | 0.19 |
| 6 | Accidents/Non-Utility | 0.10 | 0.09 | 0.16 | 0.12 | 0.09 |
| 7 | Prearranged | 0.03 | 0.00 | 0.01 | 0.02 | 0.00 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.33 | 0.10 | 0.17 | 0.17 | 0.11 |
| 10 | Unknown | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 |

## Hornell Failed Division Review – exceeded 2010 CAIDI target

### Interruption Breakdown by PSC Cause Code

| PSC CAUSE CODE DESCRIPTION | Interruptions | | Customers Interrupted | | Customer Hours of Interruption | |
|---|---|---|---|---|---|---|
| Tree Contacts | 209 | 44.3% | 12,327 | 44.9% | 28,435 | 49.9% |
| Overloads | 7 | 1.5% | 12 | 0.0% | 40 | 0.1% |
| Operational Errors | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Equipment Failures | 100 | 21.2% | 7,010 | 25.5% | 10,347 | 18.1% |
| Accidents/Non-Utility | 72 | 15.3% | 3,355 | 12.2% | 6,144 | 10.8% |
| Prearranged | 7 | 1.5% | 182 | 0.7% | 183 | 0.3% |
| Customer Equipment | 7 | 1.5% | 19 | 0.1% | 19 | 0.0% |
| Lightning | 45 | 9.5% | 4,075 | 14.9% | 11,388 | 20.0% |
| Unknown | 25 | 5.3% | 457 | 1.7% | 457 | 0.8% |
| **TOTALS** | **472** | **100.0%** | **27,437** | **100.0%** | **57,013** | **100.0%** |

Summary –
Tree related interruptions in the Hornell Division continue to be the single largest contributor to the divisions CAIDI and ultimate failure to meet the PSC CAIDI level.

Planned Corrective Efforts –
In 2011, Hornell is going to target work on specific circuits in order to improve the Division's overall reliability performance. This work will include the following –

<u>Meyer 350</u> –
- Circuit trimming of 18.3 mi. three phase was completed in 2010
- Animal guards will be reviewed where appropriate
- Select locations will be reviewed for potential lightning protection improvements

<u>Palmiter 370</u>
- Circuit trimming is scheduled for 12 kv portions of circuit for 2011
- Select locations will be reviewed for potential lightning protection improvements

<u>Warsaw 380</u>
- A review will be conducted for possible insulator improvements
- Circuit trimming was completed in 2008

<u>Moraine Rd 543</u>
- Circuit trimming of 35 kv is scheduled for 2011
- 34.5 kv reclosers will be installed on this circuit to improve sectionalizing

Efforts undertaken in 2010 as result of 2009 CAIDI Failure –
- 300 defective poles were replaced
- 3 line reclosers were installed on selected circuits
- 136 miles of distribution circuits were trimmed.

## Ithaca Division

The following table shows the Ithaca five-year history of performance, excluding major storms:

### ITHACA PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.25)** | 1.70 | 2.31 | 1.81 | 2.13 | 1.60 |
| **SAIFI (goal - 1.20)** | 1.25 | 1.19 | 0.88 | 0.99 | 1.07 |
| Interruptions | 545 | 625 | 535 | 657 | 614 |
| Customer Hours | 121,095 | 157,037 | 90,847 | 121,388 | 99,010 |
| Customers Interrupted | 71,251 | 67,889 | 50,181 | 57,000 | 61,818 |
| Customers Connected | 56,793 | 56,916 | 57,267 | 57,489 | 57,836 |

**Ithaca met the PSC CAIDI and SAIFI targets in 2010.**

## Ithaca Performance: CAIDI & SAIFI by PSC cause codes –

| ITHACA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 3.91 | 8.85 | 7.90 | 2.80 | 11.69 |
| 2 | Tree Contacts | 2.87 | 3.20 | 1.81 | 2.41 | 2.07 |
| 3 | Overloads | 1.80 | 0.63 | 2.08 | 3.06 | 1.72 |
| 4 | Operational Errors | 0.20 | 1.17 | 0.17 | 2.14 | 0.20 |
| 5 | Equipment Failures | 1.37 | 1.77 | 1.78 | 1.34 | 1.36 |
| 6 | Accidents/Non-Utility | 1.56 | 1.63 | 2.44 | 2.35 | 2.08 |
| 7 | Prearranged | 0.89 | 0.70 | 2.08 | 1.05 | 1.88 |
| 8 | Customer Equipment | 0.87 | 2.73 | 3.50 | 4.80 | 0.95 |
| 9 | Lightning | 2.36 | 2.59 | 2.12 | 3.06 | 2.73 |
| 10 | Unknown | 1.40 | 1.91 | 1.07 | 2.25 | 1.18 |

| ITHACA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.26 | 0.48 | 0.58 | 0.11 | 0.08 |
| 2 | Tree Contacts | 0.15 | 0.37 | 0.27 | 0.44 | 0.34 |
| 3 | Overloads | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.07 | 0.09 | 0.00 |
| 5 | Equipment Failures | 0.50 | 0.34 | 0.22 | 0.21 | 0.38 |
| 6 | Accidents/Non-Utility | 0.37 | 0.17 | 0.08 | 0.08 | 0.08 |
| 7 | Prearranged | 0.01 | 0.01 | 0.00 | 0.07 | 0.01 |
| 8 | Customer Equipment | 0.06 | 0.00 | 0.00 | 0.00 | 0.10 |
| 9 | Lightning | 0.16 | 0.24 | 0.23 | 0.10 | 0.02 |
| 10 | Unknown | 0.01 | 0.02 | 0.01 | 0.01 | 0.14 |

## Lancaster Division

The following table shows the Lancaster five-year history of performance, excluding major storms:

### LANCASTER PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 1.75)** | 1.72 | 1.73 | 1.72 | 1.65 | 1.65 |
| **SAIFI (gaol - 1.20)** | 0.91 | 1.08 | 1.17 | 0.97 | 1.07 |
| Interruptions | 1,348 | 1,313 | 1,314 | 1,299 | 1,146 |
| Customer Hours | 275,506 | 329,624 | 353,536 | 278,831 | 309,420 |
| Customers Interrupted | 160,604 | 190,291 | 205,623 | 168,887 | 187,258 |
| Customers Connected | 175,652 | 175,666 | 175,900 | 174,987 | 175,674 |

**Lancaster met the PSC CAIDI and SAIFI targets in 2010.**

## Lancaster Performance: CAIDI & SAIFI by PSC cause codes –

| LANCASTER DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 63.33 | 2.78 | 7.59 | 6.37 | 4.14 |
| 2 | Tree Contacts | 2.80 | 2.00 | 2.38 | 1.78 | 1.98 |
| 3 | Overloads | 1.79 | 2.19 | 1.75 | 0.84 | 1.48 |
| 4 | Operational Errors | 0.00 | 0.12 | 1.68 | 0.00 | 0.28 |
| 5 | Equipment Failures | 1.28 | 1.58 | 1.35 | 1.83 | 1.23 |
| 6 | Accidents/Non-Utility | 1.39 | 1.89 | 1.03 | 1.36 | 2.03 |
| 7 | Prearranged | 1.39 | 0.68 | 2.02 | 0.69 | 0.17 |
| 8 | Customer Equipment | 2.15 | 11.07 | 1.54 | 0.42 | 1.45 |
| 9 | Lightning | 1.62 | 2.23 | 1.78 | 1.77 | 2.35 |
| 10 | Unknown | 3.19 | 1.84 | 2.48 | 1.38 | 1.49 |

| LANCASTER DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.94 | 0.20 | 1.05 | 0.64 | 0.28 |
| 2 | Tree Contacts | 0.18 | 0.25 | 0.27 | 0.25 | 0.21 |
| 3 | Overloads | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 |
| 4 | Operational Errors | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 |
| 5 | Equipment Failures | 0.36 | 0.38 | 0.24 | 0.29 | 0.34 |
| 6 | Accidents/Non-Utility | 0.18 | 0.21 | 0.27 | 0.23 | 0.25 |
| 7 | Prearranged | 0.02 | 0.04 | 0.01 | 0.03 | 0.06 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.15 | 0.11 | 0.29 | 0.15 | 0.12 |
| 10 | Unknown | 0.02 | 0.04 | 0.10 | 0.01 | 0.07 |

## Liberty Division

The following table shows the Liberty five-year history of performance, excluding major storms:

### LIBERTY PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.50)** | 2.53 | 2.77 | 2.71 | 2.61 | 2.67 |
| **SAIFI (goal - 1.70)** | 1.36 | 1.28 | 1.27 | 1.43 | 1.48 |
| Interruptions | 846 | 789 | 816 | 785 | 921 |
| Customer Hours | 170,142 | 180,360 | 176,033 | 184,655 | 193,345 |
| Customers Interrupted | 67,144 | 65,116 | 65,027 | 70,807 | 72,359 |
| Customers Connected | 49,330 | 51,017 | 51,095 | 49,343 | 48,728 |

**Liberty exceeded the PSC CAIDI target and met the SAIFI target in 2010.**

## Liberty Performance: CAIDI & SAIFI by PSC cause codes –

| LIBERTY DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 5.22 | 3.33 | 15.38 | 3.52 | 8.75 |
| 2 | Tree Contacts | 2.87 | 3.07 | 3.08 | 2.96 | 3.26 |
| 3 | Overloads | 2.93 | 1.83 | 1.91 | 5.55 | 3.25 |
| 4 | Operational Errors | 2.25 | 1.08 | 0.00 | 0.00 | 0.31 |
| 5 | Equipment Failures | 2.22 | 3.15 | 2.37 | 2.42 | 2.13 |
| 6 | Accidents/Non-Utility | 2.66 | 2.42 | 2.15 | 1.86 | 2.09 |
| 7 | Prearranged | 1.30 | 1.65 | 1.86 | 2.01 | 1.64 |
| 8 | Customer Equipment | 3.11 | 1.79 | 2.56 | 2.31 | 7.33 |
| 9 | Lightning | 2.25 | 2.43 | 3.02 | 2.81 | 2.49 |
| 10 | Unknown | 2.83 | 2.79 | 2.39 | 2.98 | 2.37 |

| LIBERTY DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.88 | 0.16 | 1.07 | 0.38 | 1.60 |
| 2 | Tree Contacts | 0.61 | 0.56 | 0.59 | 0.49 | 0.67 |
| 3 | Overloads | 0.03 | 0.01 | 0.01 | 0.00 | 0.02 |
| 4 | Operational Errors | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 |
| 5 | Equipment Failures | 0.29 | 0.15 | 0.25 | 0.37 | 0.26 |
| 6 | Accidents/Non-Utility | 0.11 | 0.12 | 0.19 | 0.21 | 0.18 |
| 7 | Prearranged | 0.09 | 0.06 | 0.02 | 0.04 | 0.01 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.18 | 0.20 | 0.10 | 0.27 | 0.14 |
| 10 | Unknown | 0.06 | 0.15 | 0.12 | 0.04 | 0.18 |

## Liberty Failed Division Review – exceeded 2010 CAIDI target

### Interruption Breakdown by PSC Cause Code

| PSC CAUSE CODE DESCRIPTION | Interruptions | | Customers Interrupted | | Customer Hours of Interruption | |
|---|---|---|---|---|---|---|
| Tree Contacts | 545 | 59.2% | 32,498 | 44.9% | 105,922 | 58.4% |
| Overloads | 28 | 3.0% | 1,049 | 1.4% | 3,406 | 1.9% |
| Operational Errors | 3 | 0.3% | 1,403 | 1.9% | 428 | 0.2% |
| Equipment Failures | 111 | 12.1% | 12,636 | 17.5% | 26,961 | 14.9% |
| Accidents/Non-Utility | 102 | 11.1% | 8,754 | 12.1% | 18,303 | 10.1% |
| Prearranged | 13 | 1.4% | 644 | 0.9% | 1,056 | 0.6% |
| Customer Equipment | 2 | 0.2% | 6 | 0.0% | 44 | 0.0% |
| Lightning | 35 | 3.8% | 6,744 | 9.3% | 16,768 | 9.2% |
| Unknown | 82 | 8.9% | 8,625 | 11.9% | 8,625 | 4.8% |
| **TOTALS** | **921** | **100.0%** | **72,359** | **100.0%** | **181,513** | **100.0%** |

Summary –
The Liberty Division has failed its 2010 CAIDI target of 2.50, with actual year-end results of 2.67. Major factors contributing to this include: tree related interruptions in general, coupled with a few large equipment related interruptions. Of the 20 largest individual interruptions (as per the customer hours of interruption), nine were due to trees and five were due to equipment failure.

Planned Corrective Efforts –
In 2011, The Liberty Division will be concentrating on our major causes for interruptions which have been mentioned above - tree related and equipment related outages. Continued efforts in the areas of tree trimming of the distribution and transmission lines and replacing aged equipment are actions that are expected to increase the division's overall reliability performance. Specific projects to some of the division's poor performing circuit will include –

<u>Walden 359, Yulan 204, Callicoon 285, Maplewood 229 and Grossinger 211</u>

- Create fuse coordination.
- Perform cycle trim on 3 phase lines.
- Perform "hot spot" trimming as required.
- Install animal protection.
- Install lightning protection.
- Replace defective poles as found.
- Insulator change-outs as needed.
- Remove aged back-lot line.

Efforts undertaken in 2010 as result of 2009 CAIDI Failure -
In 2010, the Liberty Division engineered 104 infrastructure improvement projects totaling over 3.3 million dollars. This included the replacement of 600 +/- distribution poles, the replacement of several thousand feet of small copper conductor, the replacement of step transformers prior to overload; completion of hot-spot tree trimming, and the replacement of aluminum discs and defective lightning arrestors. The divisions also completed 6 circuit fuse coordination projects on multiple circuits.

## Mechanicville Division

The following table shows the Mechanicville five-year history of performance, excluding major storms:

### MECHANICVILLE PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.00)** | 2.07 | 2.54 | 1.93 | 2.41 | 2.40 |
| **SAIFI (goal - 1.40)** | 1.28 | 0.92 | 0.87 | 1.21 | 1.02 |
| Interruptions | 686 | 704 | 663 | 781 | 699 |
| Customer Hours | 122,215 | 109,153 | 78,319 | 137,060 | 114,951 |
| Customers Interrupted | 59,149 | 43,009 | 40,601 | 56,893 | 47,952 |
| Customers Connected | 46,103 | 46,594 | 46,922 | 46,986 | 47,200 |

**Mechanicville exceeded the PSC CAIDI target and met the SAIFI target in 2010.**

## Mechanicville Performance: CAIDI & SAIFI by PSC cause codes –

| MECHANICVILLE DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 6.20 | 2.61 | 26.37 | 2.16 | 8.07 |
| 2 | Tree Contacts | 2.60 | 2.56 | 2.46 | 2.49 | 2.53 |
| 3 | Overloads | 3.40 | 2.56 | 2.71 | 0.78 | 3.02 |
| 4 | Operational Errors | 1.45 | 0.00 | 0.00 | 2.60 | 1.13 |
| 5 | Equipment Failures | 1.53 | 1.91 | 1.60 | 2.46 | 1.96 |
| 6 | Accidents/Non-Utility | 1.80 | 2.98 | 1.58 | 1.71 | 2.88 |
| 7 | Prearranged | 2.40 | 0.48 | 2.38 | 2.01 | 2.29 |
| 8 | Customer Equipment | 1.29 | 2.11 | 1.75 | 2.17 | 2.25 |
| 9 | Lightning | 2.15 | 3.56 | 1.59 | 2.23 | 2.34 |
| 10 | Unknown | 1.76 | 1.88 | 1.70 | 2.53 | 1.13 |

| MECHANICVILLE DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.79 | 1.83 | 3.43 | 0.46 | 1.41 |
| 2 | Tree Contacts | 0.44 | 0.33 | 0.28 | 0.34 | 0.36 |
| 3 | Overloads | 0.04 | 0.00 | 0.00 | 0.00 | 0.02 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | Equipment Failures | 0.48 | 0.30 | 0.28 | 0.40 | 0.23 |
| 6 | Accidents/Non-Utility | 0.12 | 0.13 | 0.20 | 0.09 | 0.29 |
| 7 | Prearranged | 0.01 | 0.00 | 0.06 | 0.01 | 0.00 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.17 | 0.14 | 0.03 | 0.06 | 0.05 |
| 10 | Unknown | 0.02 | 0.02 | 0.01 | 0.30 | 0.08 |

## Mechanicville Failed Division Review – exceeded 2010 CAIDI target

### Interruption Breakdown by PSC Cause Code

| PSC CAUSE CODE DESCRIPTION | Interruptions | | Customers Interrupted | | Customer Hours of Interruption | |
|---|---|---|---|---|---|---|
| Tree Contacts | 350 | 50.1% | 16,983 | 35.4% | 42,970 | 37.5% |
| Overloads | 18 | 2.6% | 729 | 1.5% | 2,201 | 1.9% |
| Operational Errors | 1 | 0.1% | 32 | 0.1% | 36 | 0.0% |
| Equipment Failures | 136 | 19.5% | 10,693 | 22.3% | 20,956 | 18.3% |
| Accidents/Non-Utility | 139 | 19.9% | 13,734 | 28.6% | 39,585 | 34.6% |
| Prearranged | 6 | 0.9% | 78 | 0.2% | 179 | 0.2% |
| Customer Equipment | 8 | 1.1% | 16 | 0.0% | 36 | 0.0% |
| Lightning | 17 | 2.4% | 2,128 | 4.4% | 4,971 | 4.3% |
| Unknown | 24 | 3.4% | 3,559 | 7.4% | 3,559 | 3.1% |
| **TOTALS** | **699** | **100.0%** | **47,952** | **100.0%** | **114,493** | **100.0%** |

Summary –
The Mechanicville Division has failed its CAIDI target of 2.00, with actual year-end results of 2.40. Major factors contributing to this include: Tree Contacts, and Non-Utility Caused interruptions (of which 50% were due to Loss of Foreign Supply, 40% resulting from Accidents) The Division also experienced many storm and weather related events – 7 of these events had large interruption impacts but did not meet the major storm exclusion criteria.

Planned Corrective Efforts –
In 2011, the division staff we will be concentrating on our major causes for interruptions which include tree contact and equipment related outages. Proactively trimming our distribution and transmission lines and replacing aged equipment are efforts that will increase our overall reliability. Specific projects have already been identified and engineered.

Efforts undertaken in 2010 as result of 2009 CAIDI Failure -
In 2010, the Mechanicville Division completed infrastructure improvement projects that include: replacement of aged distribution equipment such as reclosers, sectionalizers, and regulators; Replacement of distribution poles and conductors based on age and condition, relocation of many back-lot lines to the road for increased accessibility; creation of a new 34.5kv circuit in West Sand Lake area; and the Completion of circuit fuse coordination projects on multiple circuits. Tree trimming was completed on 219 miles of distribution lines, and clearing was performed on 239 acres of transmission right-of-way.

Additional capital and O&M projects undertaken in 2010 are listed on the following page –

- In-house infrared testing at all substations – 8 hot spots identified.
- TDIRP line rebuilds done on worst performing circuits– Stephentown 622, Craryville 447 & Canaan 145.
- Completed 1st 20% system review of 5 year inspection cycle.
    - All deficiencies identified and reported.
    - All deficiencies will be completed by years end.
- 115KV motor ops added at Mulberry substation on lines 985 & 986.
- Substation insulator replacement completed at West Land Lake & Craryville substations.
- Stillwater circuit 215– added 3rd conductor for .33 miles to improve circuit balance.
- Fuse coordination in process on the following circuits:
    - Klinekill 630
    - Craryville 610
    - Stephentown 622
    - Crooked Lake 170
- Cobb Hill Tap – extension of 35KV feeder from circuit 613( Wyanskill to Snyders Lake) to shed load off of West Sand circuit 136.
- Animal fence completed at Halfmoon substation.
- 8 RTUs being replaced at several locations throughout the system.
- Installed sectionalizer at 620 Brainard Tap.
- Sectionalizer at Chase Rd changed to reclosure to improve reliability.
- SWUs & FRs added to improve response times to T & D trouble.
    - SWUs cover over 90 hours per week –Monday thru Saturday.
    - FRs are responding w/ full size 55' material handling buckets to maximize efficiency on call.
- Replaced approximately 40 rotted poles on various circuits.
- Installed inline disconnects on Klinekill 631 and Craryville 610 circuits to optimize circuit ties and allow for optimum sectionalization during outages.
- Recloser installations on the following circuits:
    - Klinekill 630 (1)
    - Stephentown 622 (3)
    - Craryville 611 (1)

- Removed aging 3-phase regulator at West Sand Lake substation- replaced with 3 new line regulators.
- Completed approximately 16 miles of Transmission brush control over the 617, 620 and 622.
- Aerial patrol over the entire system resulted in identification of danger trees and ROW clearance issues.
    - Hotspot trimming totaled approximately 10 miles over the 616, 615, and 617.
- Widened the 620 line to full ROW clearance specs.
- Distribution Vegetation Management:
    - 220 miles of circuit trimming over several circuits.
    - Approximately 40 miles of distribution trimming during storm situations – mostly in the Chatham area.
    - 1500 tree trouble tickets completed.
- Hot spot and storm trimming completed on various affected circuits.

## Oneonta Division

The following table shows the Oneonta five-year history of performance, excluding major storms:

### ONEONTA PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 2.50)** | 2.66 | 3.65 | 2.75 | 2.72 | 2.76 |
| **SAIFI (goal - 1.00)** | 0.85 | 0.95 | 1.03 | 0.94 | 0.80 |
| Interruptions | 1,099 | 1,276 | 1,381 | 1,319 | 1,298 |
| Customer Hours | 206,083 | 315,378 | 258,617 | 233,907 | 202,099 |
| Customers Interrupted | 77,620 | 86,411 | 94,138 | 86,027 | 73,176 |
| Customers Connected | 91,203 | 91,242 | 91,417 | 91,436 | 91,626 |

**Oneonta exceeded the PSC CAIDI target and met the SAIFI target in 2010.**

## Oneonta Performance: CAIDI & SAIFI by PSC cause codes –

| ONEONTA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 9.17 | 8.27 | 13.11 | 0.00 | 6.31 |
| 2 | Tree Contacts | 2.88 | 3.70 | 3.25 | 3.48 | 3.23 |
| 3 | Overloads | 2.29 | 2.29 | 2.34 | 1.88 | 2.10 |
| 4 | Operational Errors | 0.96 | 0.00 | 0.79 | 0.32 | 0.72 |
| 5 | Equipment Failures | 3.04 | 3.24 | 2.73 | 3.21 | 1.51 |
| 6 | Accidents/Non-Utility | 2.02 | 2.97 | 3.17 | 1.70 | 4.56 |
| 7 | Prearranged | 1.36 | 3.97 | 1.40 | 2.10 | 3.99 |
| 8 | Customer Equipment | 1.10 | 1.67 | 1.61 | 3.95 | 2.47 |
| 9 | Lightning | 3.26 | 4.69 | 2.49 | 1.70 | 2.37 |
| 10 | Unknown | 1.66 | 2.12 | 1.26 | 1.68 | 2.25 |

| ONEONTA DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 0.42 | 0.60 | 0.66 | 0.00 | 0.36 |
| 2 | Tree Contacts | 0.35 | 0.37 | 0.46 | 0.34 | 0.32 |
| 3 | Overloads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 5 | Equipment Failures | 0.18 | 0.26 | 0.18 | 0.23 | 0.21 |
| 6 | Accidents/Non-Utility | 0.05 | 0.05 | 0.08 | 0.14 | 0.10 |
| 7 | Prearranged | 0.03 | 0.02 | 0.05 | 0.01 | 0.02 |
| 8 | Customer Equipment | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.11 | 0.19 | 0.15 | 0.15 | 0.10 |
| 10 | Unknown | 0.10 | 0.05 | 0.10 | 0.07 | 0.03 |

## Oneonta Failed Division Review – exceeded 2010 CAIDI target

### Interruption Breakdown by PSC Cause Code

| PSC CAUSE CODE DESCRIPTION | Interruptions | | Customers Interrupted | | Customer Hours of Interruption | |
|---|---|---|---|---|---|---|
| Tree Contacts | 671 | 51.7% | 29,091 | 39.8% | 93,858 | 47.4% |
| Overloads | 35 | 2.7% | 122 | 0.2% | 256 | 0.1% |
| Operational Errors | 1 | 0.1% | 1,360 | 1.9% | 975 | 0.5% |
| Equipment Failures | 247 | 19.0% | 18,956 | 25.9% | 28,627 | 14.5% |
| Accidents/Non-Utility | 117 | 9.0% | 9,066 | 12.4% | 41,362 | 20.9% |
| Prearranged | 24 | 1.8% | 1,771 | 2.4% | 7,073 | 3.6% |
| Customer Equipment | 12 | 0.9% | 17 | 0.0% | 42 | 0.0% |
| Lightning | 94 | 7.2% | 9,602 | 13.1% | 22,721 | 11.5% |
| Unknown | 97 | 7.5% | 3,191 | 4.4% | 3,191 | 1.6% |
| **TOTALS** | **1,298** | **100.0%** | **73,176** | **100.0%** | **198,105** | **100.0%** |

Summary –
The Oneonta Division has failed its 2010 CAIDI target of 2.50, with actual year-end results of 2.76. Major factors contributing to this include: tree contacts and accident/non-utility controlled outages. Of the 20 largest interruptions (per the customer hours of interruptions), there were 7 tree related and 6 accident/non-utility related interruptions. Oneonta also experienced numerous minor storm weather events throughout the year.

Planned Corrective Efforts –
In 2011, the Oneonta Division will continue to concentrate its efforts concentrating on the major causes for interruptions which include tree contact and equipment related outages. Circuits have been evaluated for proactive tree trimming on both distribution and transmission lines. Additional identification and replacement of aged equipment along with the tree trimming will increase our overall reliability. Specific additional initiatives will include –

<u>East Norwich 515 & 516, Hancock 216, Axtell Rd. 511 and Milford 227</u>

- Create fuse coordination.
- Perform cycle trim on 3 phase lines.
- Perform “hot spot” trimming as required.
- Install animal protection.
- Install lightning protection.
- Replace defective poles as found.
- Insulator change-outs as needed.
- Remove aged back-lot line.

Efforts undertaken in 2010 as result of 2009 CAIDI Failure -
In 2010, the Oneonta Division engineered 61 infrastructure improvement projects totaling over 6 million dollars. These efforts included the replacement of roughly 1000 distribution poles that were tested and found to be rotted; the replacement of several thousand feet of small copper conductor; the replacement of step transformers prior to overload; completion of circuit patrols and the completion of hot-spot tree trimming, and the replacement of aluminum discs and defective lightning arrestors. Liberty also completed 10 fuse coordination projects on multiple circuits.

## Plattsburgh Division

The following table shows the Plattsburgh five-year history of performance, excluding major storms:

### PLATTSBURGH PERFORMANCE WITHOUT MAJOR STORMS

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| **CAIDI (goal - 1.75)** | 1.89 | 2.00 | 1.78 | 1.54 | 1.67 |
| **SAIFI (goal - 1.70)** | 1.32 | 1.47 | 1.17 | 1.33 | 1.41 |
| Interruptions | 649 | 701 | 593 | 636 | 680 |
| Customer Hours | 100,236 | 119,186 | 84,787 | 83,362 | 96,671 |
| Customers Interrupted | 52,997 | 59,522 | 47,525 | 54,273 | 57,970 |
| Customers Connected | 40,259 | 40,629 | 40,744 | 40,849 | 41,052 |

**Plattsburgh met the PSC CAIDI and SAIFI targets in 2010.**

## Plattsburgh Performance: CAIDI & SAIFI by PSC cause codes –

| PLATTSBURGH DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | CAIDI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 3.89 | 5.27 | 7.89 | 1.83 | 3.23 |
| 2 | Tree Contacts | 2.58 | 2.59 | 2.55 | 2.35 | 2.36 |
| 3 | Overloads | 3.00 | 2.11 | 2.20 | 2.17 | 0.47 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.27 | 2.82 |
| 5 | Equipment Failures | 1.80 | 1.47 | 1.72 | 1.51 | 1.12 |
| 6 | Accidents/Non-Utility | 1.85 | 1.83 | 1.30 | 1.23 | 1.38 |
| 7 | Prearranged | 0.83 | 1.06 | 2.14 | 1.47 | 1.24 |
| 8 | Customer Equipment | 2.65 | 1.89 | 2.44 | 1.34 | 2.00 |
| 9 | Lightning | 1.84 | 2.20 | 2.27 | 1.35 | 1.93 |
| 10 | Unknown | 1.67 | 1.99 | 1.37 | 1.18 | 1.40 |

| PLATTSBURGH DIVISION | | | | | | |
|---|---|---|---|---|---|---|
| PSC CODE | PSC CAUSE CODE DESCRIPTION | SAIFI | | | | |
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| 1 | Major Storms | 1.23 | 1.02 | 1.76 | 0.56 | 1.31 |
| 2 | Tree Contacts | 0.23 | 0.41 | 0.26 | 0.34 | 0.44 |
| 3 | Overloads | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 4 | Operational Errors | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 |
| 5 | Equipment Failures | 0.52 | 0.44 | 0.32 | 0.15 | 0.28 |
| 6 | Accidents/Non-Utility | 0.24 | 0.27 | 0.32 | 0.42 | 0.34 |
| 7 | Prearranged | 0.06 | 0.00 | 0.01 | 0.03 | 0.03 |
| 8 | Customer Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | Lightning | 0.11 | 0.22 | 0.08 | 0.14 | 0.10 |
| 10 | Unknown | 0.16 | 0.12 | 0.17 | 0.22 | 0.22 |

# Section 3. Reliability Programs

## Historical O&M efforts and expenditures for each of the past five years –

| Expense From FERC Report | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| Oper Superv & Eng | $ 2,875,296 | $ 2,637,669 | $ 1,621,915 | $ 1,685,634 | $ 1,483,162 |
| Load Dispatching | $ 4,815,987 | $ 4,587,149 | $ - | $ - | $ - |
| Station Expenses | $ 2,709,227 | $ 3,273,022 | $ 3,508,796 | $ 4,124,785 | $ 3,413,807 |
| Overhead Line Expense | $ 458,806 | $ 710,325 | $ 652,927 | $ 758,763 | $ 796,096 |
| Transmission of Elec | $ 9,281,961 | $ 7,980,660 | $ 6,152,712 | $ 7,260,790 | $ 9,647,360 |
| Misc. Transmission Expenses | $ 1,787,913 | $ 2,218,691 | $ 2,450,827 | $ 3,317,720 | $ 2,677,025 |
| Oper Superv & Eng | $ 9,500,159 | $ 8,492,064 | $ 7,029,266 | $ 7,935,903 | $ 7,699,559 |
| Station Expenses | $ 3,053,765 | $ 4,425,058 | $ 4,234,126 | $ 4,911,219 | $ 3,856,294 |
| Overhead Line Expense | $ 5,204,693 | $ 6,966,970 | $ 9,568,647 | $ 8,008,873 | $ 6,782,405 |
| Underground Line Expenses | $ 1,023,105 | $ 1,697,167 | $ 1,948,555 | $ 2,643,966 | $ 226,391 |
| Street Light & Sign | $ 110,741 | $ 32,908 | $ 406,181 | $ 94,575 | $ 126,890 |
| Meter Expense | $ 9,657,237 | $ 7,595,638 | $ 6,900,640 | $ 7,154,356 | $ 8,319,864 |
| Customer Installation Expenses | $ 2,280,952 | $ 1,229,201 | $ 1,547,850 | $ 774,130 | $ 673,846 |
| Misc. Distribution Expenses | $ 8,906,593 | $ 9,508,081 | $ 10,073,259 | $ 11,296,878 | $ 10,266,792 |
| | | | | | |
| Maint Superv & Eng | $ 1,194,514 | $ 713,911 | $ 755,579 | $ 869,914 | $ 834,311 |
| Maintenance of Structures | $ 685,888 | $ 1,081,462 | $ 472,411 | $ 767,444 | $ 679,420 |
| Maintenance Station Expenses | $ 1,949,075 | $ 1,677,311 | $ 2,639,403 | $ 2,154,896 | $ 1,746,657 |
| Maint. Overhead Line Expense | $ 4,801,073 | $ 4,256,220 | $ 7,574,057 | $ 8,812,459 | $ 8,610,758 |
| Maint Underground | $ 32,406 | $ 12,143 | $ 14,632 | $ 7,557 | $ 16,634 |
| Maint Superv & Eng | $ 13,625,318 | $ 11,622,833 | $ 7,551,196 | $ 9,720,290 | $ 14,126,622 |
| Maintenance of Structures | $ 169,916 | $ 266,558 | $ 238,597 | $ 443,522 | $ 258,833 |
| Maintenance Station Equipment | $ 2,868,139 | $ 2,775,170 | $ 2,758,376 | $ 3,175,427 | $ 2,409,288 |
| Maint Overhead Line | $ 56,686,726 | $ 37,776,029 | $ 71,450,497 | $ 50,633,838 | $ 64,676,810 |
| Maint of Underground | $ 1,237,695 | $ 1,127,475 | $ 1,592,856 | $ 1,693,228 | $ 1,468,960 |
| Maint of Line Transformers | $ 935,905 | $ 484,039 | $ 814,555 | $ 546,929 | $ 838,324 |
| Maint Street Light | $ 2,129,488 | $ 1,816,884 | $ 2,068,393 | $ 2,516,539 | $ 1,941,540 |
| Maint of Misc Distr | $ 10,655,431 | $ 822,863 | $ (34,886,645) | $ (2,378,836) | $ 466 |

## Program Overviews and Summaries –

NYSEG is dedicated to preserving the integrity of the energy delivery system and minimizing the consequence of equipment failure through the development and implementation of comprehensive, reliability-centered maintenance programs. To this end, NYSEG has committed to the development of new maintenance programs and the enhancement of existing programs which provide for the application of cost-effective maintenance related activities.

The Maintenance Engineering Group plays a key role in this program. Maintenance engineers plan, develop, implement, and monitor maintenance programs associated with the energy delivery system. One of the primary functions of these engineers is managing maintenance programs for individual components of the energy delivery system. Measurement of the effectiveness of preventative maintenance programs provides the necessary feedback to adjust maintenance activities. Establishing preventative maintenance intervals for energy delivery equipment based upon sound reliability centered maintenance philosophy results in the optimized use of available resources. The Company assesses the serviceability of energy delivery equipment on a continuous basis and applies equipment life extension practices where appropriate. Cost-benefit analyses are performed to evaluate repair versus replace options.

NYSEG establishes and updates maintenance practices and procedures consistent with equipment requirements and industry standards. The intent of this is to assure the safety of maintenance personnel and the general public and provide a means of quality assurance. The development of maintenance practices and procedures promotes the application of maintenance in a consistent and effective manner.

Company engineers perform equipment operating assessments through the use of on-line monitoring and on-site inspections. Acquisition and evaluation of operating data is performed to determine equipment status. Recommendations are then made equipment utilization in overload conditions based upon operating safety and loss of life considerations. Technical support for field operations including on-site resolution of maintenance concerns is also provided. These engineers serve as a subject matter experts for developing lesson plans for training and are called upon to perform root cause analyses associated with equipment failures.

Additional technical services which are provided include - thermovision, line inspection, and technician resources. These services enhance the implementation of maintenance programs and improve reliability of the energy delivery system by identifying equipment problems prior to failure.

NYSEG's dedication to improved systems reliability is demonstrated by the development of a number of new maintenance programs in addition to the improvement of existing programs. The following pages contain maintenance program summaries for each highlighted maintenance program.

On January 5, 2005, in Case 04-M-0159, the Public Service Commission (PSC) adopted a set of statewide safety standards (Safety Order) that apply to the electric utilities subject to the Commission's jurisdiction. The safety standards include inspections of utility electric facilities on a minimum of a five-year cycle. In accordance with the Order, NYSEG developed and implemented a program for inspection and repair of all electric transmission and distribution facilities. The Program is summarized as follows:

Electric Safety Standards Inspection Program

The objective of all inspections is to conduct a careful and critical examination of an electric facility by a qualified individual to determine the condition of the facility and the potential to cause or lead to safety hazards or adverse effects on reliability. NYSEG's inspection program was designed to visually inspect every facility at least once over a period of five years as required by the Order.

Inspections conducted during routine maintenance and other work not directly related to the inspection program count as an inspection visit, provided that the inspection is performed using the same safety and reliability criteria and to the same extent as would otherwise be required under the Electric Safety Standards.

Categories or Facility Groups

*Street Lighting*

The streetlight inspection effort is a component of the scheduled re-lamping effort each NYSEG division undertakes on an annual basis. Crews replace lamps and photo-eyes, if necessary, on all visited streetlights and open the handhole and inspect the internal wiring. In conjunction with this maintenance program, the fixture is also inspected for various other conditions.

*Underground*

The underground inspection program provides an inspection of NYSEG manholes, handholes, vaults, sub-holes, padmount transformers, padmount switchgear and all equipment, devices and cables present within these structures. This includes inspection of structural integrity, drainage, electrical integrity of all equipment and cables (as permissible by visual inspection), and mechanical integrity of all equipment and cables (as permissible by visual inspection). Dangerous conditions and potential threats to electric system reliability are identified.

*Overhead Distribution*

The overhead distribution inspection and maintenance program identifies and corrects electric overhead distribution circuit deficiencies on all poles, equipment, and devices present on all distribution structures including guy wires/anchors, crossarms, switches, conductors and other accessory equipment.

Each division is required to visually inspect 20% of all distribution circuits annually within their respective division. On the identified circuits, 100% of all overhead assets must be inspected. Thermography inspections on main line electric circuits could be included in this program, but are not mandatory.

NYSEG also conducts annual inspections of all their substations. This effort is a comprehensive inspection of all equipment located within the facility by field personnel. Numerous

inspections of substation equipment occur during the year as a result of ongoing maintenance work, but the annual inspection is a separate and independent activity.

*Transmission*

The objective of all transmission inspections is to identify and correct circuit deficiencies on all transmission circuits and structures.

Each division is required to visually inspect 20% of all transmission circuits annually within their respective division. On the identified circuits, 100% of all overhead assets must be inspected.

The transmission inspection program is divided into two categories based on voltage class:

- 115KV and above – Comprehensive Helicopter Inspection or Foot Patrol
- Below 115KV – Comprehensive Foot Patrol

The comprehensive helicopter inspection involves performing low level (pole top), slow speed (stop & hover), comprehensive inspection of transmission circuits to identify structure, conductor and equipment damage, defects and deficiencies. Helicopter maintenance capabilities are used where appropriate to perform maintenance functions.

Transmission inspections are accomplished through a comprehensive foot patrol, performed by an inspector competent in line inspection procedures. All inspection data are entered on a per structure basis and managed electronically via company issued handheld units. Inspections include a visual examination of all transmission towers, poles, guy wires, risers, overhead conductors, switches, and other aboveground equipment and facilities.

Inspection Procedure

The annual performance target for inspections includes all existing Maintenance Engineering and Operations inspection programs if the inspection and collected data satisfies the Electric Safety Standards.

The number of facilities to be inspected in each cyclic inspection program shall be determined by one of the following methods:

- If an estimated number of facilities are known, 20% of that estimated number shall be inspected annually.
- If only an estimated number of circuit miles are known, 20% of that estimated number of miles shall be inspected annually.

Electric facility inspections are performed by trained and qualified personnel. Inspection personnel comply with all appropriate safety procedures and practices specified by the Company (e.g. manhole entry, manhole rescue and work zone protection) when performing inspections.

Repair Prioritization

Inspection discrepancies have been classified into Level I, Level II and Level III conditions based on the severity of each discrepancy as it relates to public safety and electric system reliability. Level I discrepancies are the most critical, requiring immediate attention. Level II and

Level III conditions, as determined by the inspector, are addressed as specified by the following descriptions:

**Level I Condition**

A Level I is a condition of any electrical equipment, device or structure that poses a serious and immediate threat to either the safety of the public or the reliability of the electric transmission or distribution system. Such conditions shall be repaired as soon as possible but not longer than one week. Critical safety hazards present at the time of the inspection shall be guarded until the hazard is mitigated.

**Level II Condition**

A Level II is a condition of any electrical equipment, device or structure that, if not corrected could develop into a Level I Condition. Such conditions shall be repaired within a one year period based on the evaluation of the inspector.

**Level III Condition**

A Level III is a condition of any electrical equipment, device or structure that has deficiencies, but those deficiencies do not pose any risk to public safety or the reliability of the electric transmission or distribution system. These conditions shall be repaired within a three a year period based on the evaluation of the inspector.

**Level IV Condition**

Level IV is a condition of any electrical equipment, device or structure that has deficiencies, but repairs are not needed at this time. This condition level is used to track atypical deficiencies that do not require repair within a five year period and will be revaluated in the next cycle.

In addition to the equipment inspection and maintenance associated with the PSC Safety Order, NYSEG has implemented the following maintenance programs as system conditions warrant:

## Maintenance Program Information:

Dynamic O&M/Capital programs are implemented on an ongoing or as needed basis dependent upon reliability and safety requirements. The cost of these programs are not directly tracked.

**Underground Manhole and Handhole Inspection Program**

Program Description: Underground switches, transmission cables, distribution cables, secondary cables, cable splices, cable hangers, fuse devices, and transformers are visually inspected for physical condition. Manhole walls, roof and frame & cover are inspected for structural integrity. Equipment is repaired or replaced as appropriate. Manhole detail sheets are updated and duct location parameters are documented.

Program Benefits: A reduction in equipment failure related outages can be achieved through a comprehensive inspection program for underground equipment. Customer reliability is improved. Workers and public safety is improved.

Program Cycle: 5 Years

**Overhead Distribution Inspection Program**
Program Description: The objective of this program is to perform proactive and predictive maintenance on NYSEG distribution assets. This program provides a comprehensive evaluation of distribution system structures, conductors and equipment. It focuses maintenance activities on correcting all damage, defects and deficiencies.
Program Benefits: The program enhances distribution circuit integrity and reliability. Enhanced safety is achieved by identifying deficiencies that can lead to equipment failures.
Program Cycle: 5 Years

**Cable Replacement Program**
Program Description: This program will replace Transmission and Distribution cable on a prioritized basis. Replacement will be identified based on certain criteria (Age, cable type, outage history, etc.) that make the cable more susceptible to failure. Old lead covered cables will be replaced with new EPR CNJ cable.
Program benefits: Systematic replacement of suspect cable before failure will minimize fault related customer outages, improving customer satisfaction and system reliability.
Program Cycle: As needed; replaced with Capital

**Transmission/Distribution Switch Inspection and Maintenance Program**
Program Description: Lubricate, adjust, exercise and repair as needed on the transmission, sub-transmission and distribution system disconnect switches and isolation devices. A comprehensive database will be established on the system as part of this program.
Program Benefits: Maintaining disconnect switches on the transmission, sub-transmission and distribution system improves system reliability and allows for flexible operation of the electric system as it was originally designed. Properly maintained disconnect devices provide for a safer environment for operating personnel.
Program Cycle: As needed; replaced with Capital

**Distribution Switchgear Inspection and Maintenance Program**
Program Description: This program provides a comprehensive inspection of PME and PMH type padmount switchgear . It identifies maintenance actions necessary to correct any damage, defects and deficiencies of this equipment.
Program Benefits: Inspection of distribution switchgear provides a means of identifying potential equipment failures and therefore, improves reliability and customer satisfaction.
Program Cycle: 5 Years

**34KV Gas Filled Cable Maintenance Program**
Program Description: Cable damage is repaired and cable joints are drained on an as-needed basis. Cable pressure is tested on all circuits on an annual basis to determine pressure continuity. Nitrogen supply tanks are inspected and monitored for proper regulation and gas consumption. Stations that had high consumption of gas were converted from bottle gas to liquid nitrogen to reduce labor costs for gas bottle maintenance. In some cases the use of an ultrasonic tester has been successful in locating leaks.
Program benefits: Cable faults are controlled by maintaining the appropriate pressure on the cable. An improved reliability of the 34KV transmission system is achieved. Longevity of existing cable is increased as a result of this program.
Program Cycle: As needed

**Wood Pole Inspection and Maintenance Program**
Program Description: Inspection of wood transmission poles for decay, insect infestation and damage. Treatment with preservatives as required. Identification of danger poles for immediate replacement/reinforcement and reject poles for future replacement/reinforcement.
Program benefits: Wood pole inspection and maintenance program enhances the safety and reliability of the electric energy delivery system by identifying and eliminating defective wood poles before failure and before causing injury, damage, or unscheduled outages. The supplemental preservative extends the average life of poles approximately 30 years.
Program Cycle: As needed

**Overhead Distribution High Priority Circuits**
Program Description: The program evaluates the annual performance of NYSEG distribution circuits using a performance rating system. The circuits are prioritized for inspections. Based on the inspection results maintenance and repair activities will be performed on the highest priority circuits.
Program Benefits: Distribution circuit maintenance will enhance the reliability of selected circuits and enhance customer satisfaction by reducing the frequency and duration of circuit outages.
The program objective is to continuously lower the number of circuits in the program and lower performance rating scores.
Program Cycle: Annual

**Thermographic Inspection Program**
Program Description: A comprehensive scan of transmission circuits, subtransmission circuits, electric substations, customer transformers 500kva and above, high priority distribution circuits and on an as needed basis, to identify heating conditions on energy delivery equipment.
Program Benefits: Thermography is a proactive maintenance tool to identify abnormal heating of energy delivery equipment to avert equipment failures resulting in customer outages.
Program Cycle: Distribution Main Line: 5 Years; Transmission & Substations: Annual

**Corona Detection Program**
Program Description: A comprehensive scan of transmission circuits, subtransmission circuits, electric substations, customer transformers 500kva and above, high priority distribution circuits and on an as needed basis, to identify self sustained localized ionization of gas surrounding an energized electrode condition on energy delivery equipment.
Program Benefits: Corona detection is a proactive maintenance tool to assure power system reliability by detecting defective components at early stages of degradation. This program easily locates RF interference and audio noise sources.
Program Cycle: As needed

**Steel Pole and Tower Inspection and Maintenance Program**
Program Description: Inspect steel transmission poles and towers and perform repairs as needed. Tower foundations will be inspected for structural integrity and repairs will be conducted on a priority basis. Steel components will be examined for degradation and the necessary cleaning and painting will be conducted.
Program Benefits: The maintenance program for steel towers and poles will prevent major transmission outages by maintaining the structural integrity of the transmission system. The goal of this program is to completely eliminate outages attributed to the degradation of steel poles and towers and their associated foundations.
Program Cycle: As needed

**Electric Transmission Aerial Inspection and Maintenance Program**
Program Description: Perform low level, slow speed, comprehensive helicopter inspection of NYSEG 115 kV transmission circuits to identify structure, conductor and equipment damage, defects and deficiencies. Helicopter maintenance capabilities are used where appropriate to perform maintenance procedures.
Program Benefits: Helicopter inspection and maintenance provides an efficient, cost effective method inspecting transmission and subtransmission system structures, conductors and equipment for damage, defects, and deficiencies to prevent transmission circuit outages.
Program Cycle: As needed.

**Overhead Transmission Inspection Program**
Program Description: The objective of this program is to perform proactive and predictive maintenance on NYSEG transmission assets. Helicopter inspection and maintenance capabilities will be used where appropriate to perform procedures.
Program Benefits: This program provides a comprehensive evaluation of transmission and subtransmission system structures, conductors and equipment. It focuses maintenance activities on correcting all damage, defects and deficiencies. Ultimately the program enhances transmission and subtransmission circuit integrity and reliability.
Program Cycle: 5 years.

**Ground Rod Testing and Replacement Program**
Program Description: Measure ground resistance of driven grounds on transmission, sub-transmission and distribution circuits to identify grounds that exceed NYSEG acceptable resistance measurements.
Program Benefits: Identifying grounds that exceed acceptable resistance measurements allows for improvement of system grounding. Replacement of defective grounds enhances the ability of transmission, sub-transmission and distribution circuits to withstand the destructive actions of lightning and transients, thus enhancing circuit reliability and reduces customer outages and equipment damage.
Program Cycle: As needed

**Electric Substation Battery Maintenance Program**
Program Description: The Maintenance of substation batteries includes routine inspections, battery resistance testing, discharge tests, and battery replacements where required. All substation batteries are inspected periodically. Discharge tests are performed on transmission stations as per manufacturer's recommendations.
Program benefits: Substation batteries provide the necessary power required for system protection. A lack of proper battery maintenance can result in catastrophic failure. A comprehensive battery maintenance program ensures a reliable source of energy for system protection equipment.
Program Cycle: Annual

**115KV Pipe Type Cable Maintenance Program**
Program Description: Perform the required maintenance and testing on the 115KV-pipe cable and pumping plants. Testing and calibration of the oil pumping plant is performed to assure proper cable pressure. Testing of cathodic protection system is also performed. System operators visually inspect all pumping plants on a bi-monthly basis.
Program benefits: Maintenance of the oil pipe cable system ensures continued reliability of the underground transmission system. Maintenance and testing of the cathodic protection system

reduces corrosion of the system. Routine calibration of the oil pumping plants verifies the appropriate operating pressure for the cable system.
Program Cycle: Bi-Monthly Inspections; Future Annual Half-Cell Reads

**Network Maintenance Program**
Program Description: Perform the required maintenance on network transformers/switches and secondary protectors. Internal and external inspections are performed as well as vault inspection, cleaning, and painting. Thermovision is performed during internal inspection to identify equipment problems.
Program benefits: A comprehensive network maintenance program ensures continuous uninterrupted service to the major portion of NYSEG's commercial and industrial customers in the Rochester downtown area.
Program Cycle: Annual

**Distribution Pad Mount Transformer Maintenance Program**
Program Description: All single and three phase distribution transformers are inspected on a 5 year cycle to ensure customer safety and maintain system reliability. "High Priority" customers are inspected annually along with fluid sampling and analysis.
Program benefits: The increase in customer safety and reliability that this program provides supports the achievement of mandated performance metrics.
Program Cycle: 5 Years

**Voltage Regulator Maintenance Program**
Program Description: Replace obsolete and defective station and poletop voltage regulators with new or reconditioned units system wide. Control calibration to be performed approximately every 2 years. Thermovision performed as needed on regulator installations.
Program benefits: Replacing obsolete regulators provides improved voltage regulation and assures appropriate fault duty. This in turn improves reliability and increases personnel safety. Control calibration improves power quality for the customer.
Program Cycle: 2 Years Inspections; Replace as needed with Capital

**Distribution Line Clearance**
Program Description: The objective of the distribution line clearance program is to clear lines and rights-of-ways of vegetation in a cost effective, preventative manner and identify/correct unsafe conditions.
Program benefits: Improve customer service and reliability by reducing tree contact related outages. Circuit restoration labor costs are reduced as a result of this program. Safety related concerns are addressed.
Program Cycle: Recent rate case has provided funding to move the distribution line clearance program toward a full cycle program.

**Gas and Electric Transmission ROW Management Program**
Program Description: Maintain the integrity of the gas and electric transmission right-of-way utilizing integrated vegetation management techniques. Eliminate tree contacts that occur from vegetation growth on the electric transmission right-of-way (ROW). Maintain the gas transmission ROW to facilitate access for inspections and maintenance.
Program benefits: Minimize preventable outages related to vegetation growth on the electric right-of-way and facilitate access to, and visibility of, the gas ROW for inspection and maintenance.
Program Cycle: Varies

**Electric Transmission Aerial Line Patrol**
Program Description: The objective of this program is to fly the 115 and 34KV transmission system approximately two times per year to detect thermal, structural, and tree related problems. The gas transmission and distribution right-of-way (ROW) is patrolled each fall to identify safety and access concerns.
Program benefits: Reduce outages by identifying conditions that have the potential to interrupt electric energy delivery.
Program Cycle: Spring & Fall

**Line Recloser/Sectionalizer Maintenance Program**
Program Description: Reclosers are replaced with a new or reconditioned unit as required. Modifications to the original design are performed as required at this time. Recloser and sectionalizer controls are inspected and / or tested annually.
Program benefits: Rotating reconditioned/upgraded reclosers into the system ensures the proper system protection coordination. Reconditioning reclosers improves the dielectric integrity of the associated insulation system. Relocation of the control box improves safety for the operator. This program increases the reliability of the energy delivery system.
Program Cycle: Annual Inspections; Replaced as needed on Capital

**Substation Transformer Maintenance Program**
Program Description: Perform all aspects of transformer maintenance on substation transformers. This includes LTC internal maintenance and control calibration. LTC controls are upgraded as needed to microprocessor based controls. Transformer maintenance includes a full battery of testing (insulation/winding/accessories). Elimination of PCB contaminated transformer oil is also an objective of this program. Insulating fluid is tested and processed as needed (dehydration/degassing/rerefining).
Program benefits: A comprehensive transformer maintenance program is vital to maintaining the integrity of the Electric Energy Delivery System.
Program Cycle: Varies by voltage class, equipment type and testing criteria

**Electric Substation Circuit Breaker Maintenance Program**
Program Description: Perform the required maintenance on all circuit breakers in Electric Substations. Various levels of maintenance are performed including on line external inspections, off line internal inspections, and oil sampling and testing for dielectric quality and PCB content.
Program benefits: The maintenance program for circuit breakers ensures the mechanical and electrical integrity of a critical component of the energy delivery system. Circuit breaker functionality is critical to the protection of substation equipment and to the safety of operating personnel.
Program Cycle: Varies by voltage class, equipment type and testing criteria

**Customer Substation and Switchgear Maintenance Program**
Program Description: Perform inspection and required maintenance on all automatic throw-over customer stations annually. Internal inspection and operational tests are performed on throw-overs as needed. Perform a visual inspection on all customer substations annually.
Program benefits: The customer substation inspection and maintenance program improves the reliability of service for the customer. The program increases customer satisfaction through personal contact with NYSEG personnel.
Program Cycle: Annual

**Electrical System Protection Maintenance Program**
Program Description: Maintain the integrity of the electric energy delivery system protective relaying. Comply with NPCC "Maintenance Criteria for Bulk Power System Protection" for transmission relays.
Program benefits: A comprehensive relay maintenance program ensures the proper equipment protection, ensures the integrity of the protection system, reduces the likelihood of mis-operations, and ensures personnel safety.
Program Cycle: Varies by voltage class, equipment type and testing criteria

**Stray Voltage Testing Program**
Program Description: Provide a comprehensive approach and schedule to address the Commission's objectives to test every publicly accessible electric facility that is capable of conducting electricity on an annual basis. This includes; streetlights, distribution poles, underground network and transmission.
Program benefits: This program identifies locations in the electric delivery system where potential shock conditions exist. Remediation of these conditions will ensure a safe and reliable network to the public and company personnel.
Program Cycle: Annual

**Submersible Transformer Upgrade/Replacement Program**
Program Description: Inspect all submersible transformers for integrity and existing condition. All transformers with non-load break elbows have been retrofitted with load break elbows. Non-stainless steel transformers have all been replaced with stainless steel units. Any transformers with load approaching the continuous load nameplate rating will be replaced with a larger capacity transformer.
Program benefits: Installation of load break elbows reduces customer outages by facilitating the removal of one transformer for maintenance or replacement. Transformer replacement, where required, improves system reliability. Surveying the specific location of all submersible transformers expedites the restoration process upon an unforeseen outage.
Program Cycle: As needed

**Transmission and Distribution System Grounding**
Program Description: Perform ground resistance measurements on transmission and distribution systems with a combination Electric Lab and Field Operations crews. Install driven ground rods to meet ground resistance standards with a combination of Field Operations crews and contractors.
Perform static/ground wire bonding utilizing a helicopter service where appropriate. Program benefits: The testing and installation of an adequate grounding system protects the system from harmful voltage rise which can damage equipment and create hazardous situations.
Program Cycle: As needed

**System Fault Indicators**
Program Description: The Installation and periodic replacement of fault indicators to support the restoration of customers during outages. New fault indicators are installed in locations that can assist crews in determining where faults are. Installed indicators are tested or replaced as necessary based upon operability.
Program benefits: The use of fault indicators assists field crews with the restoration of lines during outages. A quicker location of faults significantly improves the overall restoration time of customers.
Program Cycle: As needed

**Capacitor Maintenance and Repair Program**

Program Description: Periodic testing is conducted on pole mounted capacitors and switches. Replacement of defective capacitors, oil switches and control transformers is conducted as necessary.

Program benefits: Proper operation of switched capacitors maintains voltages within the mandated bandwidth. This reduces power quality issues and maintains customer satisfaction.

Program Cycle: As needed

**Distribution Reliability Programs – Budgets and actual expense for previous five years.**

## Transmission & Distribution Infrastructure Reliability Program (TDIRP) Budgets and Actuals (Distribution System Only)

| | 2006 | 2007 | 2008 | 2009 | 2010 | 5 Year Total |
|---|---|---|---|---|---|---|
| Budget | $4,600,000 | $6,600,000 | $5,600,000 | $0 | $5,900,000 | $22,700,000 |
| Actuals | $5,564,718 | $5,866,000 | $6,818,698 | $1,621,223 | $29,729,000 | $49,599,639 |

## 2010 TDIRP Main Project Categories (Distribution System Only)

| Category | Description | Actuals |
|---|---|---|
| Pole and Conductor Replacements | Replace outdated and undersized pole and conductor | $24,600,000 |
| Recloser Installations | Install at new locations, replace old units | $2,500,000 |
| Service Replacements | Replace outdated and/or undersized conductors | $1,800,000 |
| Group Operated Switch Installments | Install at new locations, replace old units | $330,000 |
| Fault Indicator Installments | New installations for improved trouble location | $250,000 |
| Other Distribution Projects | Various | $249,000 |

**Futher details listing specific projects are not included as the list contains over 1,000 items.**

## Operations and Maintenance (O&M) budgets and actual expenditures associated with reliability programs for each of previous five years –

| Reliability Program Actuals | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| Oper Superv & Eng | $ 2,875,296 | $ 2,637,669 | $ 1,621,915 | $ 1,685,634 | $ 1,483,162 |
| Load Dispatching | $ 4,815,987 | $ 4,587,149 | $ - | $ - | $ - |
| Station Expenses | $ 2,709,227 | $ 3,273,022 | $ 3,508,796 | $ 4,124,785 | $ 3,413,807 |
| Overhead Line Expense | $ 458,806 | $ 710,325 | $ 652,927 | $ 758,763 | $ 796,096 |
| Transmission of Elec | $ 9,281,961 | $ 7,980,660 | $ 6,152,712 | $ 7,260,790 | $ 9,647,360 |
| Misc. Transmission Expenses | $ 1,787,913 | $ 2,218,691 | $ 2,450,827 | $ 3,317,720 | $ 2,677,025 |
| Oper Superv & Eng | $ 9,500,159 | $ 8,492,064 | $ 7,029,266 | $ 7,935,903 | $ 7,699,559 |
| Station Expenses | $ 3,053,765 | $ 4,425,058 | $ 4,234,126 | $ 4,911,219 | $ 3,856,294 |
| Overhead Line Expense | $ 5,204,693 | $ 6,966,970 | $ 9,568,647 | $ 8,008,873 | $ 6,782,405 |
| Underground Line Expenses | $ 1,023,105 | $ 1,697,167 | $ 1,948,555 | $ 2,643,966 | $ 226,391 |
| Street Light & Sign | $ 110,741 | $ 32,908 | $ 406,181 | $ 94,575 | $ 126,890 |
| Meter Expense | $ 9,657,237 | $ 7,595,638 | $ 6,900,640 | $ 7,154,356 | $ 8,319,864 |
| Customer Installation Expenses | $ 2,280,952 | $ 1,229,201 | $ 1,547,850 | $ 774,130 | $ 673,846 |
| Misc. Distribution Expenses | $ 8,906,593 | $ 9,508,081 | $ 10,073,259 | $ 11,296,878 | $ 10,266,792 |

| Reliability Program Budgets | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| Oper Superv & Eng | $ 2,040,551 | $ 1,601,507 | $ 4,265,409 | $ 2,413,408 | $ 3,284,226 |
| Load Dispatching | $ 5,087,764 | $ 912,953 | $ 1,049,125 | $ (908,039) | $ (877,557) |
| Station Expenses | $ 129,195 | $ - | $ 2,349,712 | $ 5,497,290 | $ 8,089,836 |
| Overhead Line Expense | $ - | $ - | $ - | $ - | $ - |
| Transmission of Elec | $ 7,502,792 | $ 5,959,189 | $ 6,536,792 | $ 6,850,055 | $ 9,700,000 |
| Misc Transmission Exp | $ 1,936,818 | $ 8,861,788 | $ 2,674,039 | $ 3,237,969 | $ 4,799,547 |
| Oper Superv & Eng | $ 9,078,378 | $ 6,462,420 | $ 10,709,473 | $ 10,934,963 | $ 16,419,973 |
| Station Expenses | $ 161,444 | $ - | $ 39,135 | $ 909,931 | $ 1,236,449 |
| Overhead Line Expense | $ (2,870,000) | $ 1,709,275 | $ (3,638,592) | $ (2,409,746) | $ (2,762,432) |
| Underground Line Exp | $ - | $ - | $ - | $ - | $ - |
| Street Light & Sign | $ - | $ - | $ - | $ - | $ - |
| Meter Expense | $ 22,195,455 | $ 6,247,030 | $ 7,001,980 | $ 4,381,630 | $ 3,500,000 |
| Customer Installation Exp | $ - | $ - | $ - | $ - | $ (32,723) |
| Misc. Distribution Expenses | $ 12,546,416 | $ 54,119,627 | $ 23,796,549 | $ 31,122,287 | $ 62,999,838 |

## Workforce Number by Job Title for Each of Previous 5 Years –

| NYSEG Job Title | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|
| Chief Line Mechanic | 192 | 195 | 186 | 173 | 187 |
| Line Mechanic 1/C | 252 | 220 | 222 | 218 | 220 |
| Line Mechanic 2/C | 34 | 29 | 18 | 84 | 18 |
| Line Apprentice | 0 | 17 | 74 | 2 | 72 |
| Chief UC&M Mech - Maint | 31 | 33 | 35 | 31 | 32 |
| UC&M Mechanic 1/C | 74 | 70 | 65 | 58 | 62 |
| UC&M Mechanic 2/C | 1 | 0 | 8 | 26 | 13 |
| UC&M Apprentice | 0 | 7 | 18 | 0 | 12 |
| SP&C Tech A | 34 | 31 | 27 | 27 | 26 |
| SP&C Tech B | 1 | 0 | 3 | 5 | 5 |
| SP&C Tech C | 0 | 5 | 4 | 2 | 3 |
| SP&C Tech Trainee | 0 | 1 | 2 | 0 | 0 |
| **Totals** | 619 | 608 | 662 | 626 | 650 |

## Contractor Crew Services Used for Each of Previous 5 Years –

NYSEG utilizes contractor crew services in a variety of areas to augment internal work forces. Specific contractor crew detail has not been captured for the past 5 years

## Distribution Line Clearance Budgets and Actual Expenditures for Each of Previous 5 Years –

| Year | Plan | Actual |
|---|---|---|
| 2006 | $15,162,660 | $10,584,366 |
| 2007 | $8,721,778 | $7,339,901 |
| 2008 | $16,552,114 | $9,975,961 |
| 2009 | $17,000,000 | $11,466,821 |
| 2010 | $13,246,000 | $10,857,025 |

| Division | Distribution Miles Completed, 2010 | 34.5 kV | 15 kV - 3Ø | 15 kV - 1Ø | 5 kV - 3Ø | 5 kV - 1Ø |
|---|---|---|---|---|---|---|
| Auburn | 93.3 | 11.7 | 26.3 | 12.2 | 23.0 | 20.14 |
| Binghamton | 258.3 | 111.5 | 20.5 | 54.2 | 9.0 | 63.16 |
| Brewster | 155.8 | 0.0 | 63.6 | 41.3 | 46.1 | 5.0 |
| Elmira | 171.3 | 58.7 | 89.3 | 0.0 | 23.3 | 0 |
| Geneva | 153.2 | 61.3 | 43.3 | 48.6 | 0.0 | 0 |
| Hornell | 136.4 | 48.2 | 43.2 | 20.7 | 20.9 | 3.4 |
| Ithaca | 184.2 | 55.3 | 19.9 | 14.7 | 77.3 | 16.96 |
| Lancaster | 265.9 | 65.7 | 116.9 | 31.6 | 45.3 | 6.4 |
| Liberty | 158.0 | 21.3 | 60.8 | 72.6 | 2.0 | 1.28 |
| Mechanicville | 218.6 | 154.5 | 12.9 | 6.3 | 21.3 | 23.65 |
| Oneonta | 191.8 | 18.0 | 82.6 | 41.7 | 48.0 | 1.49 |
| Plattsburgh | 181.6 | 53.7 | 10.6 | 74.3 | 2.6 | 40.4 |
| NYSEG | 2,168.4 | 660.0 | 589.9 | 418.1 | 318.8 | 181.9 |

# Section 4. Power Quality

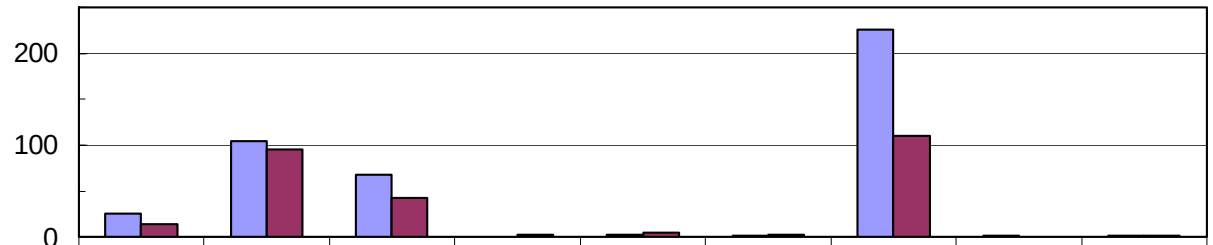
New York State Electric & Gas Corporation (NYSEG) strives to provide to its customers electric service that is very reliable with a high degree of power quality. This section of the reliability report contains a description of NYSEG's power quality program along with a presentation of the power quality data that was obtained through this program in 2010.

NYSEG's power quality program is designed to address customer needs and requests dealing with a variety of power quality issues. NYSEG has a team of specialists that are capable of investigating and resolving power quality requests as needed. These team members are located throughout the state in various NYSEG operating Divisions.

The process that NYSEG utilizes to resolve a PQ request can vary greatly depending on the type of problem that the customer is contacting the company about. For example, flickering lights is a short intermittent event that can be caused by a number of things. A request of this type may be resolved over the phone or during a field check when voltage measurements are taken. Low voltage, high voltage and some of the other PQ issues are more complicated and may require field monitoring of the electric service along with data analysis to determine the cause of the problem and to develop potential system corrections. This type of detailed PQ investigation is especially important to commercial and industrial class customers that may operate very sensitive equipment. NYSEG always works with its customers to first determine the cause (whenever practical) and then find a solution that addresses the customers concerns and needs.

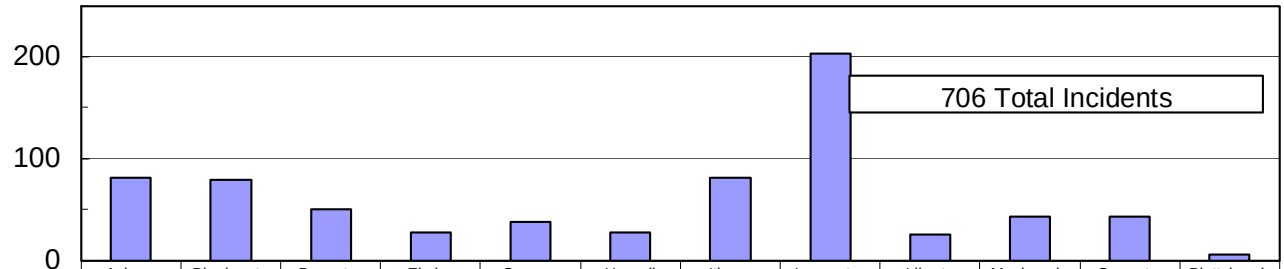
The following pages contain the data that was collected throughout 2010 regarding the PQ calls NYSEG received and the resulting investigations that were conducted.

## 2010 Reported Power Quality Incidents by Problem Type and Party



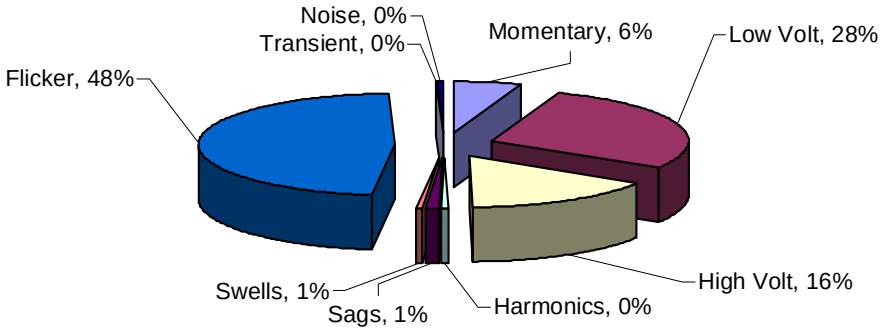

| | Momentary | Low Volt | High Volt | Harmonic | Sags | Swells | Flicker | Transient | Noise |
|---|---|---|---|---|---|---|---|---|---|
| NYSEG | 26 | 105 | 68 | 0 | 3 | 1 | 226 | 1 | 1 |
| Customer | 14 | 95 | 43 | 3 | 5 | 3 | 110 | 0 | 2 |

## 2010 Reported Power Quality Incidents by Division




| | Auburn | Binghamtn | Brewster | Elmira | Geneva | Hornell | Ithaca | Lancaster | Liberty | Mechncvle | Oneonta. | Plattsburgh |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Division | 81 | 79 | 50 | 28 | 38 | 28 | 81 | 203 | 26 | 43 | 43 | 6 |

## 2010 Reported Power Quality Incidents by Problem Type



## Momentary interruptions by Division by voltage level – 5 year history

(NYSEG does not calculate MAIFI due to the fact that all circuits do not have SCADA capabilities)

| | System Recorded Momentary Interruptions* by Division and Circuit Voltage | | | | | |
|---|---|---|---|---|---|---|
| | **Voltage** | **2006** | **2007** | **2008** | **2009** | **2010** |
| Auburn | **0-5** | 9 | 5 | NA | 0 | 9 |
| | **5-15** | 6 | 2 | NA | 0 | 2 |
| | **35** | 0 | 0 | NA | 0 | 0 |
| | **Total** | 15 | 7 | NA | 0 | 11 |
| Binghamton | **0-5** | 1 | 13 | NA | 20 | 1 |
| | **5-15** | 23 | 29 | NA | 27 | 20 |
| | **35** | 31 | 48 | NA | 15 | 11 |
| | **Total** | 55 | 90 | NA | 62 | 32 |
| Brewster | **0-5** | 3 | 2 | NA | 24 | 13 |
| | **5-15** | 136 | 106 | NA | 155 | 167 |
| | **35** | 0 | 0 | NA | 0 | 0 |
| | **Total** | 139 | 108 | NA | 179 | 180 |
| Elmira | **0-5** | 17 | 48 | NA | 8 | 1 |
| | **5-15** | 37 | 49 | NA | 33 | 24 |
| | **35** | 3 | 22 | NA | 0 | 3 |
| | **Total** | 57 | 119 | NA | 41 | 28 |
| Geneva | **0-5** | 1 | 2 | NA | 2 | 3 |
| | **5-15** | 28 | 24 | NA | 7 | 2 |
| | **35** | 0 | 0 | NA | 20 | 21 |
| | **Total** | 29 | 26 | NA | 29 | 26 |
| Hornell | **0-5** | 9 | 4 | NA | 3 | 32 |
| | **5-15** | 30 | 33 | NA | 20 | 11 |
| | **35** | 18 | 16 | NA | 12 | 19 |
| | **Total** | 57 | 53 | NA | 35 | 62 |
| Ithaca | **0-5** | 2 | 0 | NA | 8 | 2 |
| | **5-15** | 15 | 13 | NA | 8 | 11 |
| | **35** | 20 | 21 | NA | 5 | 4 |
| | **Total** | 37 | 34 | NA | 21 | 17 |
| Lancaster | **0-5** | 24 | 24 | NA | 0 | 0 |
| | **5-15** | 0 | 0 | NA | 0 | 0 |
| | **35** | 45 | 14 | NA | 16 | 17 |
| | **Total** | 69 | 38 | NA | 16 | 17 |
| Liberty | **0-5** | 0 | 23 | NA | 1 | 20 |
| | **5-15** | 4 | 3 | NA | 40 | 11 |
| | **35** | 20 | 7 | NA | 0 | 16 |
| | **Total** | 24 | 33 | NA | 41 | 47 |
| Mechanicville | **0-5** | 0 | 0 | NA | 0 | 0 |
| | **5-15** | 0 | 0 | NA | 0 | 0 |
| | **35** | 13 | 44 | NA | 13 | 22 |
| | **Total** | 13 | 44 | NA | 13 | 22 |
| Oneonta | **0-5** | 6 | 7 | NA | 0 | 6 |
| | **5-15** | 0 | 0 | NA | 4 | 7 |
| | **35** | 6 | 52 | NA | 64 | 9 |
| | **Total** | 12 | 59 | NA | 68 | 22 |
| Plattsburgh | **0-5** | 5 | 8 | NA | 30 | 29 |
| | **5-15** | 72 | 48 | NA | 129 | 107 |
| | **35** | 17 | 65 | NA | 15 | 18 |
| | **Total** | 94 | 121 | NA | 174 | 154 |
| Corporate | **0-5** | 77 | 136 | NA | 96 | 116 |
| | **5-15** | 351 | 307 | NA | 423 | 362 |
| | **35** | 173 | 289 | NA | 160 | 140 |
| | **Total** | 601 | 732 | NA | 679 | 618 |

*This data represents momentary interruption events as recorded by NYSEG's Energy Control System (SCADA System). These events are limited to momentary interruption events to those substations circuit breakers or switches monitored by the Energy Control System on distribution redail circuits.

## Section 3. Circuit Performance

The following pages contain lists of circuits, by operating area, based on SAIFI and CAIDI performance for the calendar year.

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| AUBURN | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4401503 | OTISCO 703 | 5 | 572 | 2,714 | 4.75 | 0.86 |
| 4401602 | MARIETTA 511 | 26 | 856 | 3,534 | 4.13 | 0.89 |
| 4401202 | WEEDSPORT 629 | 3 | 583 | 2,321 | 3.98 | 1.02 |
| 4401201 | WEEDSPORT 628 | 8 | 1,055 | 3,802 | 3.60 | 1.19 |
| 4400304 | WRIGHT AVE 520 | 9 | 463 | 1,511 | 3.27 | 0.64 |
| 4401501 | OTISCO 701 | 8 | 112 | 355 | 3.18 | 0.20 |
| 4401801 | SCIPIO 605 | 12 | 203 | 627 | 3.09 | 0.51 |
| 4400101 | CAYUGA 631 | 6 | 54 | 167 | 3.08 | 0.10 |
| 4401402 | MARCELLUS 627 | 10 | 625 | 1,706 | 2.73 | 0.71 |
| 4403401 | BRUTON RD 521 | 6 | 204 | 547 | 2.68 | 2.46 |
| 4400305 | WRIGHT AVE 703 | 4 | 110 | 261 | 2.37 | 0.31 |
| 4400603 | SWIFT AVE 316 | 1 | 3 | 7 | 2.25 | 0.00 |
| 4400302 | WRIGHT AVE 705 | 4 | 87 | 184 | 2.12 | 0.11 |
| 4400503 | GRANT AVE 720 | 10 | 465 | 957 | 2.06 | 0.61 |
| 4400102 | CAYUGA 632 | 5 | 12 | 24 | 2.04 | 0.03 |
| 4400203 | STATE ST 710 | 18 | 543 | 1,096 | 2.02 | 0.29 |
| 4403301 | MORAVIA-AUBURN 704 | 4 | 251 | 450 | 1.80 | 2.07 |
| 4402901 | HAMILTON RD 530 | 9 | 2,357 | 4,104 | 1.74 | 2.71 |
| 4400303 | WRIGHT AVE 706 | 16 | 174 | 297 | 1.70 | 0.24 |
| 4400602 | SWIFT AVE 315 | 1 | 15 | 24 | 1.60 | 0.02 |
| 4403201 | KING FERRY 528 | 2 | 522 | 806 | 1.54 | 1.13 |
| 4401802 | SCIPIO 606 | 7 | 65 | 100 | 1.53 | 0.17 |
| 4400702 | AURORA 708 | 27 | 1,034 | 1,513 | 1.46 | 1.42 |
| 4401401 | MARCELLUS 626 | 4 | 299 | 433 | 1.45 | 0.26 |
| 4400701 | AURORA 707 | 4 | 609 | 855 | 1.40 | 1.50 |
| 4405001 | WHITING RD 526 | 12 | 2,501 | 3,484 | 1.39 | 2.22 |
| 4401702 | GENOA 604 | 3 | 380 | 524 | 1.38 | 2.22 |
| 4402101 | STRYKER AVE 702 | 17 | 1,727 | 2,369 | 1.37 | 0.71 |
| 4401301 | JORDAN 613 | 9 | 2,226 | 2,637 | 1.19 | 2.09 |
| 4401701 | GENOA 603 | 6 | 567 | 603 | 1.06 | 1.07 |
| 4400502 | GRANT AVE 719 | 7 | 265 | 281 | 1.06 | 0.39 |
| 4402102 | STRYKER AVE 721 | 17 | 3,222 | 3,378 | 1.05 | 1.78 |
| 4400301 | WRIGHT AVE 704 | 3 | 231 | 240 | 1.04 | 0.22 |
| 4400802 | CLARK ST 322 | 1 | 40 | 41 | 1.03 | 0.06 |
| 4400202 | STATE ST 709 | 6 | 171 | 177 | 1.03 | 0.07 |
| 4400201 | STATE ST 303 | 1 | 9 | 9 | 1.02 | 0.18 |
| 4400401 | UNION SPRINGS 609 | 7 | 992 | 938 | 0.95 | 1.50 |
| 4401101 | PORT BYRON 611 | 7 | 613 | 568 | 0.93 | 1.06 |
| 4400501 | GRANT AVE 718 | 2 | 750 | 662 | 0.88 | 0.96 |
| 4401102 | PORT BYRON 633 | 4 | 1,067 | 923 | 0.86 | 0.99 |
| 4408501 | SAVANNAH 630 | 2 | 285 | 224 | 0.79 | 0.97 |
| 4400601 | SWIFT AVE 314 | 1 | 44 | 30 | 0.68 | 0.07 |
| 4401302 | JORDAN 714 | 6 | 2,189 | 911 | 0.42 | 2.11 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| BINGHAMTON | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 8100302 | HARPUR 669 | 1 | 44 | 382 | 8.69 | 0.62 |
| 8100504 | GOUDEY 724 | 1 | 7 | 43 | 6.15 | 0.06 |
| 8100204 | BURR AVE 711 | 3 | 88 | 451 | 5.12 | 0.11 |
| 8100101 | MORRIS ST 657 | 3 | 29 | 132 | 4.57 | 0.01 |
| 8103302 | GREENE 607 | 18 | 1,224 | 5,215 | 4.26 | 2.59 |
| 8105101 | CASS HILL 743 | 2 | 4 | 17 | 4.10 | 0.03 |
| 8102704 | LANGDON 609 | 7 | 274 | 1,075 | 3.92 | 0.39 |
| 8107901 | LISLE 417 | 8 | 661 | 2,334 | 3.53 | 1.34 |
| 8103501 | SOUTH OTSELIC 427 | 26 | 1,299 | 4,472 | 3.44 | 2.60 |
| 4301202 | CANDOR 722 | 1 | 70 | 230 | 3.28 | 0.14 |
| 8101102 | ENDICOTT HILL 183 | 2 | 4 | 13 | 3.23 | 0.00 |
| 8100203 | BURR AVE 710 | 4 | 71 | 209 | 2.95 | 0.17 |
| 8104401 | WILLET 423 | 40 | 2,391 | 7,024 | 2.94 | 2.14 |
| 4301201 | CANDOR 529 | 14 | 60 | 175 | 2.91 | 0.06 |
| 8102701 | LANGDON 610 | 7 | 287 | 830 | 2.89 | 0.21 |
| 8101603 | WHITNEY AVE 653 | 2 | 31 | 90 | 2.89 | 0.06 |
| 8105501 | HOADLEY HILL 430 | 9 | 342 | 963 | 2.81 | 0.51 |
| 8104404 | WILLET 418 | 19 | 227 | 637 | 2.80 | 0.36 |
| 8102801 | LOUNSBERRY 178 | 15 | 265 | 718 | 2.71 | 0.26 |
| 8101606 | WHITNEY AVE 656 | 4 | 83 | 223 | 2.69 | 0.05 |
| 8102703 | LANGDON 608 | 1 | 11 | 29 | 2.67 | 0.04 |
| 8108001 | INGRAHAM HILL 433 | 4 | 16 | 41 | 2.58 | 0.03 |
| 8104402 | WILLET 421 | 10 | 847 | 2,169 | 2.56 | 2.03 |
| 8102802 | LOUNSBERRY 179 | 10 | 167 | 420 | 2.52 | 0.17 |
| 8100103 | MORRIS ST 659 | 6 | 40 | 101 | 2.49 | 0.03 |
| 8105201 | KINGSMAN RD 422 | 4 | 251 | 609 | 2.43 | 2.44 |
| 8101201 | RANO 693 | 1 | 13 | 31 | 2.38 | 0.06 |
| 8103203 | CINCINNATUS 761 | 11 | 842 | 1,998 | 2.37 | 1.11 |
| 8103803 | WINDSOR 758 | 21 | 1,722 | 3,906 | 2.27 | 2.79 |
| 8104102 | CASTLE GARDEN 622 | 24 | 766 | 1,726 | 2.26 | 0.30 |
| 8103801 | WINDSOR 757 | 7 | 399 | 885 | 2.22 | 0.44 |
| 8102503 | MAINE 268 | 7 | 646 | 1,403 | 2.17 | 2.86 |
| 8103401 | MARATHON 434 | 11 | 144 | 288 | 2.00 | 0.26 |
| 8102901 | AFTON 429 | 37 | 8,108 | 15,539 | 1.92 | 3.93 |
| 8103101 | CHENANGO FORKS 206 | 4 | 6 | 11 | 1.87 | 0.02 |
| 8102702 | LANGDON 427 | 9 | 663 | 1,184 | 1.79 | 0.64 |
| 8100803 | HOOPER RD 703 | 4 | 29 | 51 | 1.74 | 0.04 |
| 8100401 | NOYES ISLAND 101 | 1 | 286 | 496 | 1.73 | 0.63 |
| 8101302 | WEST UNION 661 | 6 | 1,978 | 3,384 | 1.71 | 1.76 |
| 8102001 | BODLE HILL 645 | 6 | 86 | 143 | 1.67 | 0.26 |
| 8104101 | CASTLE GARDEN 621 | 8 | 177 | 296 | 1.67 | 0.15 |
| 8105701 | MARTIN HILL 430 | 5 | 568 | 941 | 1.66 | 1.43 |
| 8107701 | WEST CREEK RD 513 | 11 | 1,559 | 2,575 | 1.65 | 3.43 |
| 8103002 | CENTER VILLAGE 248 | 17 | 3,254 | 5,210 | 1.60 | 3.26 |
| 8101401 | VESTAL 623 | 12 | 376 | 592 | 1.57 | 0.38 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| BINGHAMTON | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 8101002 | ENDICOTT RAILWAY | 1 | 8 | 12 | 1.55 | 0.01 |
| 8101501 | NOWLAN RD 226 | 2 | 23 | 35 | 1.52 | 0.02 |
| 8105003 | FULLER HOLLOW 617 | 14 | 312 | 462 | 1.47 | 0.20 |
| 8107601 | OUAQUAGA EAST 430 | 8 | 601 | 861 | 1.43 | 2.09 |
| 8103602 | TARBELL 602 | 10 | 1,224 | 1,749 | 1.43 | 2.23 |
| 8100701 | JARVIS ST 687 | 3 | 1,130 | 1,599 | 1.42 | 1.01 |
| 8101803 | CONKLIN 263 | 9 | 723 | 1,008 | 1.39 | 1.19 |
| 8101301 | WEST UNION 660 | 7 | 1,754 | 2,436 | 1.39 | 1.28 |
| 8100418 | NOYES ISLAND 278 | 1 | 22 | 30 | 1.38 | 0.04 |
| 8107801 | CHENANGO VALLEY | 3 | 84 | 112 | 1.33 | 3.11 |
| 8100903 | ENDICOTT CLARK ST | 9 | 325 | 431 | 1.33 | 0.11 |
| 8101203 | RANO 718 | 4 | 2,907 | 3,852 | 1.33 | 2.36 |
| 8103301 | GREENE 425 | 21 | 1,125 | 1,491 | 1.32 | 1.47 |
| 8101705 | CHENANGO BRIDGE | 18 | 11,185 | 14,654 | 1.31 | 5.49 |
| 8101801 | CONKLIN 229 | 8 | 271 | 352 | 1.30 | 0.25 |
| 8105601 | OUAQUAGA WEST 430 | 4 | 445 | 577 | 1.30 | 2.19 |
| 8100607 | GLENWOOD 686 | 7 | 312 | 400 | 1.28 | 0.16 |
| 8106501 | RICHFORD 524 | 7 | 797 | 1,016 | 1.28 | 4.24 |
| 8104601 | KATTLEVILLE 422 | 24 | 4,703 | 5,969 | 1.27 | 1.65 |
| 8104204 | MORNINGSIDE | 1 | 1 | 1 | 1.23 | 0.33 |
| 8100206 | BURR AVE 612 | 5 | 536 | 656 | 1.22 | 0.52 |
| 4302501 | HALSEY VALLEY 530 | 8 | 272 | 333 | 1.22 | 0.57 |
| 8102602 | WHITNEY POINT 780 | 3 | 524 | 623 | 1.19 | 1.37 |
| 8102301 | GENEGANTSLET | 16 | 3,368 | 3,937 | 1.17 | 2.27 |
| 8101702 | CHENANGO BRIDGE | 5 | 3,246 | 3,736 | 1.15 | 3.05 |
| 8102002 | BODLE HILL 646 | 2 | 241 | 269 | 1.12 | 0.25 |
| 8101701 | CHENANGO BRIDGE | 6 | 3,038 | 3,414 | 1.12 | 3.03 |
| 8101703 | CHENANGO BRIDGE | 4 | 253 | 285 | 1.12 | 3.51 |
| 8104001 | GLEN AUBREY 417 | 3 | 566 | 622 | 1.10 | 2.18 |
| 8100602 | GLENWOOD 681 | 1 | 31 | 34 | 1.10 | 0.03 |
| 8100706 | JARVIS ST 692 | 2 | 73 | 80 | 1.09 | 0.04 |
| 8109806 | NORTH ENDICOTT 361 | 6 | 77 | 84 | 1.09 | 0.05 |
| 8104303 | OAKDALE 627 | 4 | 1,229 | 1,326 | 1.08 | 1.39 |
| 8104201 | MORNINGSIDE | 6 | 1,543 | 1,649 | 1.07 | 3.00 |
| 8104202 | MORNINGSIDE | 5 | 1,827 | 1,952 | 1.07 | 3.03 |
| 8101001 | ENDICOTT RAILWAY | 3 | 110 | 117 | 1.06 | 0.17 |
| 8100605 | GLENWOOD 684 | 2 | 318 | 337 | 1.06 | 0.18 |
| 8104901 | SANATARIA SPRINGS | 7 | 729 | 766 | 1.05 | 1.11 |
| 8107402 | SOUTH OWEGO 540 | 14 | 1,067 | 1,125 | 1.05 | 0.41 |
| 8104602 | KATTLEVILLE 426 | 11 | 1,081 | 1,114 | 1.03 | 1.25 |
| 8100804 | HOOPER RD 704 | 2 | 918 | 918 | 1.00 | 1.03 |
| 8101204 | RANO 719 | 1 | 297 | 297 | 1.00 | 1.00 |
| 8100402 | NOYES ISLAND 103 | 1 | 17 | 16 | 0.97 | 0.04 |
| 8101101 | ENDICOTT HILL 181 | 1 | 14 | 13 | 0.92 | 0.01 |
| 8104902 | SANATARIA SPRINGS | 5 | 727 | 666 | 0.92 | 1.26 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| BINGHAMTON | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 8103901 | BERKSHIRE 746 | 8 | 1,725 | 1,543 | 0.89 | 2.15 |
| 8105801 | BODLE HILL TAP 515 | 24 | 4,311 | 3,816 | 0.89 | 2.37 |
| 8105901 | CHERRY HILL 417 | 4 | 635 | 555 | 0.87 | 3.10 |
| 8100801 | HOOPER RD 701 | 3 | 109 | 94 | 0.86 | 0.11 |
| 8108301 | BEVIER ST 664 | 1 | 202 | 169 | 0.84 | 0.36 |
| 8102501 | MAINE 266 | 6 | 1,433 | 1,205 | 0.84 | 2.50 |
| 8100407 | NOYES ISLAND 121 | 1 | 2 | 2 | 0.82 | 0.00 |
| 8100405 | NOYES ISLAND 111 | 2 | 71 | 58 | 0.81 | 0.06 |
| 8100502 | GOUDEY 722 | 1 | 76 | 57 | 0.75 | 0.04 |
| 8101402 | VESTAL 715 | 1 | 2 | 1 | 0.72 | 0.00 |
| 8104302 | OAKDALE 626 | 10 | 2,147 | 1,532 | 0.71 | 1.23 |
| 4305101 | CASS HILL-ITHACA 743 | 3 | 13 | 9 | 0.66 | 0.27 |
| 8101503 | NOWLAN RD 228 | 2 | 63 | 39 | 0.63 | 0.11 |
| 8108201 | ROUTE 38 513 | 6 | 699 | 432 | 0.62 | 3.66 |
| 8102401 | FLEMINGVILLE 173 | 9 | 2,308 | 1,378 | 0.60 | 3.30 |
| 8104304 | OAKDALE 628 | 3 | 626 | 369 | 0.59 | 0.99 |
| 8103702 | VINCENT CORNERS 269 | 6 | 1,060 | 630 | 0.59 | 2.13 |
| 8104301 | OAKDALE 625 | 1 | 301 | 175 | 0.58 | 1.60 |
| 8101901 | APALACHIN 176 | 8 | 1,010 | 570 | 0.57 | 1.25 |
| 8102201 | WHIG ST 783 | 13 | 3,231 | 1,828 | 0.57 | 3.12 |
| 8102603 | WHITNEY POINT 781 | 2 | 566 | 294 | 0.52 | 1.05 |
| 8102604 | WHITNEY POINT 782 | 2 | 397 | 179 | 0.45 | 1.00 |
| 8100503 | GOUDEY 723 | 1 | 15 | 6 | 0.42 | 0.02 |
| 8105001 | FULLER HOLLOW 615 | 7 | 1,355 | 556 | 0.41 | 1.03 |
| 8102502 | MAINE 267 | 5 | 764 | 304 | 0.40 | 2.02 |
| 8100703 | JARVIS ST 689 | 1 | 8 | 3 | 0.37 | 0.00 |
| 8105002 | FULLER HOLLOW 616 | 2 | 83 | 24 | 0.29 | 0.15 |
| 8102101 | OWEGO 144 | 3 | 1,697 | 483 | 0.28 | 2.00 |
| 8100304 | HARPUR 671 | 1 | 14 | 3 | 0.22 | 0.01 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| BREWSTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1106750 | PEACH LAKE 250 | 7 | 772 | 5,619 | 7.28 | 1.48 |
| 1105354 | AMENIA 154 | 15 | 454 | 2,270 | 5.00 | 0.39 |
| 1106856 | POUND RIDGE 456 | 23 | 1,570 | 6,372 | 4.06 | 1.61 |
| 1106749 | PEACH LAKE 249 | 5 | 322 | 1,215 | 3.77 | 0.38 |
| 1105462 | BEDFORD HILLS 462 | 14 | 2,420 | 8,692 | 3.59 | 2.27 |
| 1107078 | SYLVAN LAKE 478 | 31 | 7,042 | 24,709 | 3.51 | 3.60 |
| 1105978 | DINGLE RIDGE 278 | 12 | 684 | 2,389 | 3.49 | 1.55 |
| 1106107 | GOLDEN BRIDGE 417 | 15 | 618 | 2,066 | 3.34 | 1.31 |
| 1105691 | KENT CLIFFS 291 | 8 | 428 | 1,397 | 3.26 | 0.58 |
| 1106342 | MOHANSIC 404 | 9 | 746 | 2,409 | 3.23 | 1.12 |
| 1107731 | UNION VALLEY 431 | 6 | 1,867 | 6,021 | 3.22 | 1.25 |
| 1107237 | TILLY FOSTER 437 | 14 | 3,270 | 10,443 | 3.19 | 3.41 |
| 1109706 | CARMEL 502 | 20 | 4,490 | 13,644 | 3.04 | 3.03 |
| 1105679 | KENT CLIFFS 292 | 13 | 1,240 | 3,770 | 3.04 | 2.38 |
| 1105597 | CANTITOE 497 | 56 | 4,948 | 15,007 | 3.03 | 3.63 |
| 1105869 | CROSS RIVER 469 | 18 | 2,859 | 8,479 | 2.97 | 3.70 |
| 1106985 | PUTNAM LAKE 485 | 20 | 1,381 | 3,976 | 2.88 | 1.31 |
| 1109703 | CARMEL 503 | 17 | 3,363 | 9,634 | 2.87 | 3.48 |
| 1107843 | TEN MILE RIVER 443 | 12 | 1,839 | 5,261 | 2.86 | 2.47 |
| 1105427 | BEDFORD HILLS 227 | 8 | 80 | 203 | 2.55 | 0.11 |
| 1106343 | MOHANSIC 405 | 6 | 402 | 1,026 | 2.55 | 0.38 |
| 1106094 | DOVER PLAINS 494 | 16 | 420 | 1,060 | 2.53 | 0.20 |
| 1105724 | CRAFTS 424 | 36 | 8,690 | 21,897 | 2.52 | 6.85 |
| 1106855 | POUND RIDGE 455 | 41 | 7,422 | 18,689 | 2.52 | 4.76 |
| 1107434 | HAVILAND HOLLOW 427 | 20 | 1,623 | 3,994 | 2.46 | 1.32 |
| 1106120 | GOLDEN BRIDGE 420 | 13 | 1,503 | 3,621 | 2.41 | 1.33 |
| 1107844 | TEN MILE RIVER 444 | 23 | 803 | 1,928 | 2.40 | 0.49 |
| 1105722 | CRAFTS 422 | 18 | 4,079 | 9,554 | 2.34 | 2.79 |
| 1105425 | BEDFORD HILLS 225 | 5 | 331 | 771 | 2.33 | 0.31 |
| 1105977 | DINGLE RIDGE 277 | 12 | 463 | 1,079 | 2.33 | 1.39 |
| 1105582 | CANTITOE 282 | 11 | 601 | 1,382 | 2.30 | 1.03 |
| 1105253 | AMAWALK 453 | 20 | 2,514 | 5,746 | 2.29 | 1.40 |
| 1105111 | ADAMS CORNERS 411 | 38 | 6,200 | 13,699 | 2.21 | 3.17 |
| 1106121 | GOLDEN BRIDGE 421 | 39 | 4,103 | 9,084 | 2.21 | 3.61 |
| 1105249 | AMAWALK 449 | 10 | 1,737 | 3,786 | 2.18 | 1.38 |
| 1105583 | CANTITOE 283 | 21 | 1,799 | 3,909 | 2.17 | 3.88 |
| 1106340 | MOHANSIC 403 | 5 | 49 | 104 | 2.12 | 0.08 |
| 1106575 | WEST PATTERSON 475 | 55 | 6,113 | 12,936 | 2.12 | 4.05 |
| 1109701 | CARMEL 501 | 37 | 10,572 | 22,295 | 2.11 | 4.80 |
| 1106108 | GOLDEN BRIDGE 418 | 20 | 1,200 | 2,519 | 2.10 | 1.19 |
| 1107081 | SYLVAN LAKE 481 | 18 | 681 | 1,366 | 2.01 | 0.35 |
| 1105095 | CROTON FALLS 516 | 8 | 187 | 362 | 1.94 | 0.15 |
| 1107080 | SYLVAN LAKE 480 | 14 | 1,775 | 3,423 | 1.93 | 1.79 |
| 1105463 | BEDFORD HILLS 463 | 7 | 242 | 463 | 1.91 | 0.20 |
| 1106858 | POUND RIDGE 458 | 36 | 1,919 | 3,583 | 1.87 | 3.38 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| BREWSTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1107732 | UNION VALLEY 432 | 21 | 2,301 | 4,289 | 1.86 | 1.32 |
| 1105113 | ADAMS CORNERS 413 | 17 | 2,188 | 4,033 | 1.84 | 3.14 |
| 1107433 | HAVILAND HOLLOW 426 | 20 | 1,529 | 2,760 | 1.80 | 2.07 |
| 1106104 | GOLDEN BRIDGE 414 | 20 | 2,385 | 4,195 | 1.76 | 2.44 |
| 1106667 | PAWLING 509 | 29 | 4,615 | 8,097 | 1.75 | 3.57 |
| 1106276 | KENT 176 | 4 | 805 | 1,376 | 1.71 | 0.91 |
| 1105115 | ADAMS CORNERS 412 | 30 | 4,603 | 7,777 | 1.69 | 3.33 |
| 1107189 | TEAKETTLE SPOUT 489 | 9 | 2,457 | 4,124 | 1.68 | 2.24 |
| 1107733 | UNION VALLEY 433 | 37 | 9,740 | 16,059 | 1.65 | 4.30 |
| 1105002 | CROTON FALLS 514 | 7 | 1,922 | 3,162 | 1.64 | 2.33 |
| 1106857 | POUND RIDGE 457 | 18 | 1,962 | 3,226 | 1.64 | 3.31 |
| 1105870 | CROSS RIVER 470 | 43 | 4,749 | 7,673 | 1.61 | 3.95 |
| 1106666 | PAWLING 166 | 3 | 6 | 10 | 1.61 | 0.01 |
| 1106574 | WEST PATTERSON 474 | 21 | 3,264 | 5,179 | 1.59 | 3.68 |
| 1107241 | TILLY FOSTER 441 | 24 | 3,555 | 5,454 | 1.53 | 2.45 |
| 1106668 | PAWLING 508 | 19 | 1,990 | 3,004 | 1.51 | 1.46 |
| 1106346 | MOHANSIC 406 | 7 | 749 | 1,096 | 1.46 | 1.18 |
| 1106984 | PUTNAM LAKE 484 | 21 | 1,557 | 2,268 | 1.46 | 1.53 |
| 1107238 | TILLY FOSTER 438 | 15 | 5,062 | 7,153 | 1.41 | 2.90 |
| 1107242 | TILLY FOSTER 442 | 16 | 3,150 | 4,426 | 1.40 | 3.60 |
| 1105352 | AMENIA 153 | 10 | 1,323 | 1,839 | 1.39 | 2.66 |
| 1105251 | AMAWALK 451 | 24 | 2,275 | 2,956 | 1.30 | 2.19 |
| 1105723 | CRAFTS 423 | 35 | 9,461 | 12,167 | 1.29 | 3.85 |
| 1105868 | CROSS RIVER 468 | 7 | 1,621 | 2,097 | 1.29 | 2.10 |
| 1106986 | PUTNAM LAKE 486 | 22 | 1,505 | 1,917 | 1.27 | 0.94 |
| 1107239 | TILLY FOSTER 439 | 11 | 1,987 | 2,355 | 1.18 | 2.15 |
| 1105004 | CROTON FALLS 515 | 13 | 1,674 | 1,385 | 0.83 | 1.32 |
| 1107191 | TEAKETTLE SPOUT 491 | 8 | 1,138 | 762 | 0.67 | 1.06 |
| 1106275 | KENT 175 | 11 | 1,602 | 1,056 | 0.66 | 1.28 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| ELMIRA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 5200370 | FIRST ST 370 | 2 | 36 | 281 | 7.82 | 0.30 |
| 5201798 | GOSS RD 398 | 1 | 61 | 448 | 7.35 | 0.72 |
| 5204636 | KANONA 336 | 6 | 73 | 409 | 5.62 | 0.57 |
| 5206631 | BATH TAP 531 | 2 | 29 | 147 | 5.08 | 0.20 |
| 5203843 | HAMMONDSPORT 243 | 13 | 1,100 | 5,474 | 4.98 | 1.36 |
| 5205435 | DINEHARTS 535 | 2 | 247 | 1,079 | 4.37 | 1.36 |
| 4203105 | DUNDEE 205 | 7 | 193 | 810 | 4.20 | 0.16 |
| 5203352 | CAMPBELL 352 | 15 | 1,199 | 4,721 | 3.94 | 2.17 |
| 5203907 | KANE ST 207 | 4 | 29 | 112 | 3.86 | 0.03 |
| 5203723 | FULTON ST 223 | 5 | 19 | 67 | 3.54 | 0.04 |
| 5206335 | NORTH URBANA 535 | 18 | 3,138 | 11,049 | 3.52 | 2.17 |
| 5206898 | PRATTSBURG TAP 598 | 8 | 740 | 2,594 | 3.50 | 4.11 |
| 5203462 | CANADA RD 562 | 18 | 6,257 | 19,830 | 3.17 | 3.96 |
| 5203464 | CANADA RD 564 | 9 | 631 | 1,948 | 3.09 | 0.34 |
| 5201419 | CHEMUNG 319 | 11 | 330 | 1,010 | 3.06 | 0.93 |
| 4302701 | VAN ETTEN 570 | 11 | 396 | 1,205 | 3.04 | 0.51 |
| 5200925 | HAMPTON RD 325 | 17 | 2,460 | 7,426 | 3.02 | 4.30 |
| 5204002 | KEUKA-ELMIRA 202 | 6 | 27 | 79 | 2.95 | 0.08 |
| 5204447 | SOUTH ADDISON 347 | 20 | 2,201 | 6,270 | 2.85 | 4.74 |
| 5204398 | PULTENEY TAP 598 | 4 | 1,283 | 3,434 | 2.68 | 2.03 |
| 5204141 | PRATTSBURG 241 | 12 | 1,307 | 3,494 | 2.67 | 2.13 |
| 5204140 | PRATTSBURG 240 | 10 | 1,012 | 2,691 | 2.66 | 2.17 |
| 5201203 | BROAD ST 303 | 1 | 1 | 3 | 2.63 | 0.01 |
| 5203908 | KANE ST 208 | 9 | 345 | 895 | 2.60 | 0.36 |
| 5200105 | WEST ELMIRA 105 | 7 | 1,243 | 3,182 | 2.56 | 1.13 |
| 5206901 | MONTOUR ODESSA | 15 | 558 | 1,421 | 2.55 | 0.63 |
| 5204003 | KEUKA-ELMIRA 203 | 10 | 653 | 1,585 | 2.43 | 0.74 |
| 5203139 | BATH 339 | 12 | 334 | 803 | 2.41 | 0.36 |
| 5201021 | BULKHEAD 321 | 33 | 1,409 | 3,391 | 2.41 | 0.83 |
| 5201022 | BULKHEAD 322 | 16 | 585 | 1,406 | 2.41 | 0.67 |
| 5202528 | WOODHULL - ELMIRA | 10 | 253 | 599 | 2.36 | 2.81 |
| 5206529 | PHILO RD 329 | 17 | 1,426 | 3,337 | 2.34 | 0.88 |
| 5200102 | WEST ELMIRA 102 | 1 | 200 | 460 | 2.30 | 0.99 |
| 5203833 | HAMMONDSPORT 333 | 10 | 883 | 2,020 | 2.29 | 1.58 |
| 5204781 | HICKLING 381 | 24 | 1,044 | 2,360 | 2.26 | 0.67 |
| 5200927 | HAMPTON RD 327 | 1 | 124 | 279 | 2.25 | 0.59 |
| 5200811 | RIVERSIDE 311 | 3 | 801 | 1,764 | 2.20 | 0.88 |
| 5200104 | WEST ELMIRA 104 | 2 | 438 | 960 | 2.19 | 1.09 |
| 5200926 | HAMPTON RD 326 | 4 | 47 | 101 | 2.16 | 0.04 |
| 5203834 | HAMMONDSPORT 334 | 17 | 3,054 | 6,574 | 2.15 | 3.88 |
| 5201418 | CHEMUNG 318 | 35 | 2,848 | 5,984 | 2.10 | 2.89 |
| 5204241 | PRESHO 341 | 34 | 2,987 | 6,103 | 2.04 | 3.74 |
| 5203722 | FULTON ST 222 | 1 | 11 | 22 | 2.02 | 0.01 |
| 4204001 | KEUKA 201 | 5 | 40 | 80 | 1.98 | 0.05 |
| 5201607 | RIDGE RD 307 | 23 | 1,443 | 2,816 | 1.95 | 2.22 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| ELMIRA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 5200111 | WEST ELMIRA 111 | 4 | 1,283 | 2,367 | 1.84 | 1.02 |
| 5204637 | KANONA 337 | 4 | 174 | 312 | 1.80 | 0.66 |
| 5203351 | CAMPBELL 351 | 13 | 673 | 1,191 | 1.77 | 1.28 |
| 5203660 | FALLBROOK 360 | 11 | 224 | 388 | 1.73 | 0.12 |
| 5204782 | HICKLING 382 | 11 | 537 | 930 | 1.73 | 0.55 |
| 5201605 | RIDGE RD 305 | 18 | 642 | 1,106 | 1.72 | 0.46 |
| 5202011 | MONTOUR FALLS 511 | 18 | 795 | 1,346 | 1.69 | 0.63 |
| 5200619 | 14TH ST 119 | 1 | 1 | 2 | 1.65 | 0.00 |
| 5202033 | MONTOUR FALLS 233 | 9 | 509 | 841 | 1.65 | 0.48 |
| 5202031 | MONTOUR FALLS 231 | 4 | 19 | 29 | 1.58 | 0.08 |
| 5201143 | TUTTLE PLACE 143 | 2 | 5 | 8 | 1.54 | 0.01 |
| 5202139 | CAYUTA 239 | 7 | 92 | 139 | 1.51 | 0.26 |
| 5200416 | HILLCREST RD 316 | 17 | 202 | 301 | 1.49 | 0.09 |
| 5206530 | PHILO RD 330 | 4 | 6 | 9 | 1.49 | 0.01 |
| 5201023 | BULKHEAD 323 | 4 | 85 | 126 | 1.48 | 0.05 |
| 5201606 | RIDGE RD 306 | 17 | 927 | 1,367 | 1.48 | 0.47 |
| 5200415 | HILLCREST RD 315 | 2 | 24 | 34 | 1.44 | 0.09 |
| 5200582 | WOODLAWN AVE 182 | 1 | 1 | 1 | 1.42 | 0.00 |
| 5203721 | FULTON ST 221 | 2 | 255 | 355 | 1.39 | 0.20 |
| 5204544 | WHISKEY CREEK 344 | 23 | 1,753 | 2,434 | 1.39 | 2.20 |
| 5201201 | BROAD ST 301 | 1 | 18 | 25 | 1.38 | 0.02 |
| 5202012 | MONTOUR FALLS 512 | 22 | 2,013 | 2,737 | 1.36 | 1.60 |
| 5200812 | RIVERSIDE 312 | 3 | 27 | 36 | 1.32 | 0.18 |
| 5205591 | NEW CORNING 391 | 2 | 640 | 785 | 1.23 | 0.75 |
| 5200814 | RIVERSIDE 314 | 4 | 32 | 36 | 1.13 | 0.05 |
| 5201601 | RIDGE RD 501 | 25 | 3,232 | 3,581 | 1.11 | 2.16 |
| 5200618 | 14TH ST 118 | 3 | 651 | 700 | 1.08 | 1.04 |
| 5200290 | MADISON AVE 090 | 1 | 35 | 38 | 1.08 | 0.08 |
| 5200989 | HAMPTON RD 089 | 3 | 47 | 49 | 1.04 | 0.03 |
| 5204545 | WHISKEY CREEK 345 | 16 | 1,916 | 1,863 | 0.97 | 2.39 |
| 5200266 | MADISON AVE 066 | 1 | 4 | 4 | 0.88 | 0.03 |
| 5200371 | FIRST ST 371 | 1 | 16 | 14 | 0.87 | 0.04 |
| 5204446 | SOUTH ADDISON 346 | 14 | 1,659 | 1,336 | 0.81 | 1.24 |
| 5203659 | FALLBROOK 359 | 1 | 5 | 4 | 0.77 | 0.16 |
| 5201200 | BROAD ST 300 | 5 | 261 | 196 | 0.75 | 0.25 |
| 5200286 | MADISON AVE 386 | 4 | 220 | 165 | 0.75 | 0.52 |
| 5200285 | MADISON AVE 385 | 2 | 12 | 9 | 0.74 | 0.01 |
| 5200617 | 14TH ST 117 | 1 | 12 | 9 | 0.72 | 0.01 |
| 5201202 | BROAD ST 302 | 4 | 310 | 200 | 0.64 | 0.60 |
| 5201711 | GOSS RD 211 | 4 | 710 | 426 | 0.60 | 1.01 |
| 5200583 | WOODLAWN AVE 183 | 3 | 1,110 | 125 | 0.11 | 1.01 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
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| GENEVA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4202701 | ST JOHNS 201 | 5 | 590 | 3,671 | 6.22 | 2.08 |
| 4200201 | PALMYRA 201 | 4 | 98 | 546 | 5.57 | 0.07 |
| 4204389 | BLODGETT RD 589 | 9 | 2,460 | 12,669 | 5.15 | 2.01 |
| 4200902 | OAK CORNERS 202 | 2 | 5 | 25 | 5.04 | 0.02 |
| 4202101 | GORHAM 201 | 3 | 19 | 95 | 5.02 | 0.05 |
| 4202401 | MIDDLESEX 201 | 17 | 264 | 1,073 | 4.06 | 0.24 |
| 4200102 | MACEDON 602 | 7 | 1,521 | 5,991 | 3.94 | 1.04 |
| 4200801 | PHELPS 201 | 7 | 324 | 1,251 | 3.87 | 0.26 |
| 4204789 | RUSHVILLE TAP 589 | 9 | 535 | 1,999 | 3.73 | 1.14 |
| 4201701 | SENECA FALLS 601 | 8 | 135 | 456 | 3.37 | 0.12 |
| 4202601 | DRESDEN 201 | 4 | 210 | 694 | 3.30 | 0.39 |
| 4203989 | VOAK RD 589 | 8 | 49 | 155 | 3.19 | 0.19 |
| 4203301 | BANKERT RD 601 | 6 | 1,744 | 5,352 | 3.07 | 3.02 |
| 4201703 | SENECA FALLS 603 | 21 | 639 | 1,954 | 3.06 | 0.36 |
| 4203897 | FLAT ST 597 | 43 | 1,533 | 4,597 | 3.00 | 0.56 |
| 4202302 | RUSHVILLE 202 | 8 | 134 | 399 | 2.98 | 0.18 |
| 4201102 | LEHIGH ST 602 | 6 | 210 | 607 | 2.89 | 0.21 |
| 4202901 | MILO 201 | 5 | 60 | 172 | 2.88 | 0.08 |
| 4202501 | BELLONA 201 | 3 | 6 | 16 | 2.75 | 0.01 |
| 4207947 | SLEIGHT RD 547 | 13 | 368 | 1,006 | 2.74 | 0.65 |
| 4202201 | HALL 201 | 1 | 1 | 3 | 2.70 | 0.01 |
| 4203899 | FLAT ST 599 | 6 | 352 | 897 | 2.55 | 1.11 |
| 4200405 | VAN BUREN ST 605 | 7 | 96 | 233 | 2.43 | 0.08 |
| 4200103 | MACEDON 603 | 11 | 497 | 1,144 | 2.31 | 0.70 |
| 4200406 | VAN BUREN ST 606 | 26 | 3,566 | 7,972 | 2.24 | 1.85 |
| 4200101 | MACEDON 601 | 11 | 302 | 671 | 2.23 | 0.22 |
| 4203096 | GREENIDGE 596 | 34 | 5,396 | 11,555 | 2.14 | 2.67 |
| 4207946 | SLEIGHT RD 546 | 25 | 916 | 1,891 | 2.06 | 0.56 |
| 4204001 | KEUKA 201 | 1 | 1 | 2 | 2.00 | 0.00 |
| 4201503 | WATERLOO 203 | 1 | 1 | 2 | 1.90 | 0.00 |
| 4201502 | WATERLOO 202 | 3 | 110 | 208 | 1.89 | 0.13 |
| 4201002 | WEST GENEVA 602 | 16 | 101 | 188 | 1.87 | 0.15 |
| 4200901 | OAK CORNERS 201 | 1 | 4 | 7 | 1.83 | 0.01 |
| 4201702 | SENECA FALLS 602 | 5 | 99 | 171 | 1.73 | 0.07 |
| 4203302 | BANKERT RD 602 | 15 | 5,129 | 8,789 | 1.71 | 3.32 |
| 4207769 | HYATT RD 569 | 32 | 5,921 | 9,580 | 1.62 | 3.81 |
| 4208001 | OVID-GENEVA 001 | 1 | 34 | 53 | 1.55 | 0.94 |
| 4201001 | WEST GENEVA 601 | 21 | 2,335 | 3,588 | 1.54 | 2.04 |
| 4201802 | MAC DOUGALL 702 | 13 | 1,817 | 2,777 | 1.53 | 1.88 |
| 4204686 | HALEY RD 586 | 5 | 62 | 89 | 1.44 | 0.11 |
| 4200404 | VAN BUREN ST 604 | 8 | 3,317 | 4,452 | 1.34 | 2.11 |
| 4201003 | WEST GENEVA 603 | 9 | 206 | 274 | 1.33 | 0.09 |
| 4201101 | LEHIGH ST 601 | 15 | 780 | 999 | 1.28 | 0.53 |
| 4201801 | MAC DOUGALL 601 | 25 | 2,551 | 3,139 | 1.23 | 3.60 |
| 4200403 | VAN BUREN ST 603 | 22 | 3,172 | 3,814 | 1.20 | 1.42 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| GENEVA | | | | | | |
|---|---|---|---|---|---|---|
| **Circuit** | **Circuit Description** | **Interruptions** | **Customers Affected** | **Customer Hours Interrupted** | **CAIDI** | **SAIFI** |
| 4202102 | GORHAM 202 | 3 | 7 | 8 | 1.16 | 0.02 |
| 4200503 | LYONS 603 | 14 | 6,507 | 7,232 | 1.11 | 4.08 |
| 4201004 | WEST GENEVA 604 | 15 | 284 | 264 | 0.93 | 0.13 |
| 4200603 | CLYDE 203 | 14 | 1,538 | 1,188 | 0.77 | 2.27 |
| 4200602 | CLYDE 202 | 14 | 2,134 | 1,447 | 0.68 | 2.19 |
| 4203105 | DUNDEE 205 | 3 | 106 | 68 | 0.64 | 0.09 |
| 4200501 | LYONS 601 | 3 | 435 | 225 | 0.52 | 2.08 |
| 4200502 | LYONS 602 | 4 | 402 | 207 | 0.51 | 1.99 |
| 4200202 | PALMYRA 202 | 3 | 119 | 60 | 0.51 | 0.11 |
| 4203507 | SENECA ORDNANCE | 3 | 534 | 250 | 0.47 | 1.01 |
| 4201501 | WATERLOO 201 | 13 | 1,768 | 771 | 0.44 | 1.15 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| HORNELL | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 5300816 | CANISTEO 216 | 2 | 11 | 59 | 5.34 | 0.02 |
| 5301614 | PERRY CENTER 214 | 5 | 86 | 452 | 5.26 | 0.21 |
| 5300458 | ATLANTA 258 | 12 | 108 | 447 | 4.15 | 0.23 |
| 5301351 | MEYER 351 | 17 | 775 | 3,177 | 4.10 | 0.55 |
| 5301430 | NAPLES 330 | 4 | 148 | 540 | 3.64 | 0.34 |
| 5301266 | LEICESTER 266 | 7 | 495 | 1,710 | 3.45 | 2.12 |
| 5300468 | ATLANTA 568 | 19 | 1,006 | 3,406 | 3.39 | 1.12 |
| 5300281 | WEBB CROSSING 281 | 6 | 690 | 2,225 | 3.22 | 1.11 |
| 5301861 | SILVER SPRINGS 261 | 12 | 160 | 497 | 3.11 | 0.18 |
| 5300946 | COHOCTON 246 | 8 | 19 | 59 | 3.06 | 0.04 |
| 5301220 | LEICESTER 320 | 15 | 1,951 | 5,958 | 3.05 | 2.48 |
| 5301466 | NAPLES 566 | 16 | 155 | 468 | 3.02 | 0.17 |
| 5301955 | SPRING WATER 255 | 17 | 332 | 984 | 2.96 | 0.31 |
| 5301350 | MEYER 350 | 40 | 1,486 | 4,379 | 2.95 | 0.80 |
| 5301352 | MEYER 352 | 6 | 132 | 347 | 2.64 | 0.12 |
| 5301431 | NAPLES 331 | 7 | 190 | 502 | 2.64 | 0.35 |
| 5301615 | PERRY CENTER 215 | 2 | 101 | 250 | 2.48 | 0.46 |
| 5301570 | PALMITER RD 370 | 17 | 1,563 | 3,822 | 2.44 | 2.12 |
| 5300600 | BENNETT 300 | 6 | 90 | 218 | 2.43 | 0.09 |
| 5307080 | MORAINE RD 580 | 8 | 232 | 564 | 2.43 | 0.34 |
| 5300719 | CANASERAGA 219 | 7 | 406 | 863 | 2.13 | 0.90 |
| 5302240 | WALLACE 340 | 31 | 2,573 | 5,472 | 2.13 | 2.26 |
| 5301111 | HOWARD 311 | 6 | 123 | 260 | 2.12 | 0.33 |
| 5301572 | PALMITER RD 372 | 11 | 261 | 513 | 1.97 | 0.40 |
| 5301110 | HOWARD 310 | 3 | 111 | 207 | 1.86 | 0.75 |
| 5302381 | WARSAW 381 | 13 | 211 | 394 | 1.86 | 0.14 |
| 5300641 | BENNETT 541 | 16 | 1,515 | 2,781 | 1.84 | 1.16 |
| 5303639 | JASPER 539 | 8 | 587 | 1,040 | 1.77 | 1.57 |
| 5302067 | STANTON AVE 367 | 4 | 199 | 350 | 1.76 | 1.54 |
| 5303794 | GAINESVILLE 594 | 5 | 354 | 592 | 1.67 | 0.86 |
| 5300170 | HILL ST 270 | 1 | 1 | 2 | 1.65 | 0.00 |
| 5301343 | MEYER 243 | 1 | 24 | 40 | 1.65 | 0.04 |
| 5301752 | PORTAGEVILLE 252 | 4 | 220 | 360 | 1.64 | 0.94 |
| 5301573 | PALMITER RD 373 | 13 | 711 | 1,122 | 1.58 | 0.78 |
| 5301571 | PALMITER RD 371 | 2 | 19 | 30 | 1.57 | 0.05 |
| 5302068 | STANTON AVE 368 | 13 | 2,267 | 3,561 | 1.57 | 1.37 |
| 5302163 | TROUPSBURG 563 | 16 | 1,067 | 1,631 | 1.53 | 2.66 |
| 5300175 | HILL ST 275 | 1 | 1 | 1 | 1.48 | 0.00 |
| 5302431 | WAYLAND 231 | 18 | 1,047 | 1,520 | 1.45 | 1.01 |
| 5302528 | WOODHULL 228 | 18 | 858 | 1,127 | 1.31 | 1.56 |
| 5307043 | MORAINE RD 543 | 17 | 1,019 | 1,227 | 1.20 | 1.35 |
| 5300320 | ARKPORT 220 | 4 | 1,132 | 1,280 | 1.13 | 1.11 |
| 5302380 | WARSAW 380 | 14 | 2,709 | 3,021 | 1.11 | 2.26 |
| 5303894 | ROBESON 594 | 3 | 80 | 86 | 1.08 | 1.11 |
| 5300601 | BENNETT 301 | 3 | 93 | 98 | 1.05 | 0.08 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| ITHACA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4300302 | SOUTH LANSING 720 | 3 | 55 | 311 | 5.64 | 0.08 |
| 4301601 | COUNTY HOSPITAL 736 | 11 | 99 | 406 | 4.08 | 0.13 |
| 4303801 | DRYDEN TAP 524 | 11 | 1,655 | 6,511 | 3.93 | 1.14 |
| 4301002 | DRYDEN 735 | 2 | 714 | 2,752 | 3.85 | 1.09 |
| 4305501 | KIMBERLY 524 | 2 | 120 | 459 | 3.82 | 2.00 |
| 4301202 | CANDOR 722 | 1 | 2 | 7 | 3.48 | 0.00 |
| 4300501 | LUDLOWVILLE 726 | 2 | 23 | 78 | 3.39 | 0.14 |
| 4300103 | CAYUGA HEIGHTS 602 | 2 | 287 | 944 | 3.29 | 0.57 |
| 4300201 | EAST ITHACA 406 | 8 | 210 | 686 | 3.26 | 0.08 |
| 4300303 | SOUTH LANSING 721 | 13 | 379 | 1,230 | 3.24 | 0.61 |
| 4303001 | DANBY RD 571 | 12 | 450 | 1,432 | 3.18 | 0.38 |
| 4301301 | SPENCER 712 | 22 | 665 | 2,043 | 3.07 | 0.60 |
| 4306201 | CRUM TOWN 530 | 5 | 9 | 28 | 3.04 | 0.05 |
| 4301001 | DRYDEN 734 | 18 | 1,452 | 4,214 | 2.90 | 1.82 |
| 4305601 | SOUTHWORTH 524 | 5 | 344 | 997 | 2.90 | 2.26 |
| 4301403 | WEST DANBY 530 | 24 | 4,070 | 11,176 | 2.75 | 2.83 |
| 4302501 | HALSEY VALLEY 530 | 2 | 173 | 458 | 2.65 | 0.36 |
| 4302901 | BENJAMIN HILL 748 | 16 | 305 | 795 | 2.61 | 0.22 |
| 4300603 | MORAVIA 606 | 20 | 2,720 | 6,871 | 2.53 | 2.72 |
| 4303101 | NORTH LANSING 522 | 17 | 514 | 1,231 | 2.40 | 0.56 |
| 4303601 | SOUTH LANSING TAP | 11 | 532 | 1,259 | 2.37 | 0.63 |
| 4302302 | FOURTH ST 782 | 2 | 133 | 310 | 2.33 | 0.14 |
| 4302303 | FOURTH ST 783 | 2 | 3 | 6 | 2.29 | 0.01 |
| 4304901 | WILSEYVILLE 751 | 6 | 506 | 1,157 | 2.29 | 1.07 |
| 4300202 | EAST ITHACA 405 | 14 | 272 | 615 | 2.26 | 0.20 |
| 4302701 | VAN ETTEN 570 | 1 | 10 | 22 | 2.25 | 0.01 |
| 4306601 | BEER TAP 534 | 4 | 247 | 551 | 2.23 | 1.13 |
| 4300203 | EAST ITHACA 401 | 2 | 112 | 242 | 2.17 | 0.21 |
| 4306001 | BLACKMAN HILL 746 | 4 | 110 | 237 | 2.16 | 3.79 |
| 4302305 | FOURTH ST 785 | 5 | 429 | 905 | 2.11 | 0.73 |
| 4301101 | BROOKTONDALE 531 | 26 | 2,433 | 4,803 | 1.97 | 1.45 |
| 4301501 | WEST HILL 609 | 10 | 933 | 1,778 | 1.91 | 1.84 |
| 4300502 | LUDLOWVILLE 727 | 12 | 411 | 750 | 1.83 | 0.79 |
| 4300701 | LOCKE 718 | 8 | 2,372 | 4,164 | 1.76 | 3.41 |
| 4305901 | ROUTE 79 746 | 5 | 342 | 604 | 1.76 | 3.17 |
| 4301901 | OVID 715 | 20 | 3,279 | 5,218 | 1.59 | 2.28 |
| 4300101 | CAYUGA HEIGHTS 604 | 10 | 1,657 | 2,603 | 1.57 | 1.15 |
| 4305801 | ETNA TAP 523 | 4 | 8 | 12 | 1.45 | 0.02 |
| 4303501 | SENECA ORD - ITHACA | 3 | 293 | 424 | 1.45 | 3.05 |
| 4302301 | FOURTH ST 781 | 1 | 20 | 29 | 1.43 | 0.03 |
| 4301201 | CANDOR 529 | 1 | 4 | 5 | 1.35 | 0.00 |
| 4300902 | ETNA 709 | 7 | 230 | 289 | 1.25 | 0.16 |
| 4300402 | CAYUGA ROCK SALT | 2 | 13 | 16 | 1.19 | 1.08 |
| 4303401 | BURDETT MECK 508 | 24 | 2,432 | 2,877 | 1.18 | 2.03 |
| 4300802 | PERUVILLE 733 | 5 | 760 | 894 | 1.18 | 1.33 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| ITHACA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4300205 | EAST ITHACA 404 | 15 | 465 | 543 | 1.17 | 0.21 |
| 4303701 | PERUVILLE TAP 522 | 18 | 2,118 | 2,483 | 1.17 | 1.59 |
| 4302203 | SOUTH HILL 613 | 10 | 1,919 | 2,138 | 1.11 | 1.29 |
| 4302205 | SOUTH HILL 614 | 3 | 718 | 797 | 1.11 | 1.19 |
| 4302002 | VALOIS 719 | 9 | 1,107 | 1,233 | 1.11 | 1.56 |
| 4302204 | SOUTH HILL 607 | 6 | 1,323 | 1,445 | 1.09 | 1.08 |
| 4302206 | SOUTH HILL 608 | 2 | 595 | 632 | 1.06 | 1.02 |
| 4301801 | INTERLAKEN 705 | 20 | 1,668 | 1,689 | 1.01 | 1.17 |
| 4300602 | MORAVIA 746 | 5 | 582 | 591 | 1.01 | 1.19 |
| 4301502 | WEST HILL 610 | 18 | 4,310 | 3,929 | 0.91 | 2.32 |
| 4302601 | WALPOLE RD 741 | 5 | 233 | 211 | 0.90 | 1.08 |
| 4300601 | MORAVIA 704 | 6 | 748 | 666 | 0.89 | 1.06 |
| 4301702 | TRUMANSBURG 747 | 21 | 4,283 | 3,647 | 0.85 | 2.63 |
| 4300105 | CAYUGA HEIGHTS 605 | 9 | 253 | 212 | 0.84 | 0.32 |
| 4305301 | COUNTY HOSP - | 29 | 2,918 | 2,272 | 0.78 | 1.42 |
| 4304001 | HARFORD MILLS 749 | 4 | 651 | 476 | 0.73 | 2.21 |
| 4302304 | FOURTH ST 784 | 3 | 36 | 25 | 0.69 | 0.05 |
| 4304201 | HARFORD 524 | 6 | 313 | 216 | 0.69 | 1.97 |
| 4300104 | CAYUGA HEIGHTS 601 | 11 | 2,686 | 1,808 | 0.67 | 1.31 |
| 4302001 | VALOIS 508 | 8 | 1,053 | 655 | 0.62 | 1.39 |
| 4301701 | TRUMANSBURG 723 | 6 | 1,342 | 744 | 0.55 | 2.15 |
| 4302102 | BURDETT 702 | 12 | 754 | 306 | 0.41 | 1.13 |

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| LANCASTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3100806 | ERIE ST 207 | 1 | 288 | 4,510 | 15.66 | 1.01 |
| 3104101 | STOLLE RD 551 | 15 | 1,728 | 9,194 | 5.32 | 1.23 |
| 3103902 | SOUTH PARK 472 | 20 | 1,768 | 8,503 | 4.81 | 1.25 |
| 3103204 | LANGER RD 433 | 8 | 1,993 | 9,467 | 4.75 | 1.07 |
| 3103205 | LANGER RD 434 | 3 | 500 | 2,367 | 4.73 | 1.02 |
| 3102903 | ARMOR 373 | 9 | 524 | 2,377 | 4.54 | 0.21 |
| 3103207 | LANGER RD 436 | 6 | 271 | 1,230 | 4.54 | 1.15 |
| 3105002 | BIG TREE 523 | 8 | 929 | 3,999 | 4.30 | 1.30 |
| 3103502 | SOUTH COLDEN 456 | 2 | 340 | 1,336 | 3.93 | 1.50 |
| 3102301 | HOLLAND 320 | 16 | 375 | 1,383 | 3.69 | 0.36 |
| 3102506 | WEHRLE DR 332 | 7 | 186 | 645 | 3.47 | 0.21 |
| 3100104 | LEGION DR 510 | 6 | 230 | 793 | 3.45 | 1.26 |
| 3102604 | EAST AURORA 340 | 1 | 11 | 38 | 3.43 | 0.02 |
| 3102202 | BLOSSOM 313 | 10 | 867 | 2,920 | 3.37 | 0.54 |
| 3102701 | CHERRY CREEK 501 | 4 | 43 | 142 | 3.30 | 0.10 |
| 3100401 | NEW ALBION 168 | 9 | 181 | 587 | 3.25 | 0.49 |
| 3100502 | RANDOLPH 175 | 6 | 136 | 423 | 3.11 | 0.22 |
| 3103201 | LANGER RD 430 | 5 | 4,252 | 12,790 | 3.01 | 2.47 |
| 3105302 | COBBLEHILL 548 | 18 | 2,056 | 6,058 | 2.95 | 1.63 |
| 3102605 | EAST AURORA 345 | 3 | 69 | 200 | 2.90 | 0.05 |
| 3103302 | WENDE RD 441 | 3 | 104 | 294 | 2.83 | 0.25 |
| 3103203 | LANGER RD 432 | 13 | 9,017 | 24,404 | 2.71 | 2.75 |
| 3102103 | WALDEN AVE 302 | 9 | 310 | 818 | 2.64 | 1.00 |
| 3103202 | LANGER RD 431 | 4 | 2,537 | 6,701 | 2.64 | 3.13 |
| 3103701 | CEMETERY RD 491 | 3 | 825 | 2,176 | 2.64 | 1.17 |
| 3103002 | DAVIS 381 | 22 | 2,815 | 6,996 | 2.49 | 3.45 |
| 3105301 | COBBLEHILL 530 | 37 | 1,255 | 3,125 | 2.49 | 0.55 |
| 3104201 | BENNINGTON CTR 445 | 21 | 2,154 | 5,229 | 2.43 | 4.38 |
| 3107301 | SPRINGBROOK 495 | 22 | 1,797 | 4,332 | 2.41 | 1.49 |
| 3100301 | ELLINGTON 164 | 20 | 155 | 367 | 2.36 | 0.22 |
| 3100801 | ERIE ST 202 | 6 | 237 | 525 | 2.22 | 0.22 |
| 3102505 | WEHRLE DR 334 | 8 | 211 | 460 | 2.18 | 0.23 |
| 3103101 | DICK RD 390 | 10 | 713 | 1,554 | 2.18 | 1.27 |
| 3101601 | ALDEN 262 | 4 | 148 | 321 | 2.17 | 0.27 |
| 3101802 | JAVA 281 | 17 | 2,342 | 5,047 | 2.16 | 3.04 |
| 3103501 | SOUTH COLDEN 455 | 9 | 160 | 345 | 2.16 | 0.34 |
| 3103702 | CEMETERY RD 490 | 16 | 6,009 | 12,732 | 2.12 | 2.43 |
| 3100501 | RANDOLPH 174 | 5 | 364 | 750 | 2.06 | 0.59 |
| 3102106 | WALDEN AVE 305 | 6 | 1,524 | 3,104 | 2.04 | 2.08 |
| 3102105 | WALDEN AVE 304 | 2 | 538 | 1,088 | 2.02 | 1.71 |
| 3101602 | ALDEN 263 | 4 | 48 | 96 | 2.01 | 0.03 |
| 3102302 | HOLLAND 321 | 9 | 1,608 | 3,241 | 2.01 | 1.37 |
| 3100901 | GIRDLE RD 554 | 7 | 398 | 795 | 2.00 | 0.37 |
| 3100804 | ERIE ST 205 | 7 | 1,182 | 2,318 | 1.96 | 0.62 |
| 3101001 | INDIAN CHURCH RD 223 | 2 | 378 | 741 | 1.96 | 0.35 |

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| LANCASTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3104002 | LOSSON RD 401 | 4 | 51 | 98 | 1.92 | 0.05 |
| 3103803 | TYLER ST 462 | 8 | 104 | 199 | 1.91 | 0.09 |
| 3100201 | DAYTON 160 | 10 | 484 | 895 | 1.85 | 1.12 |
| 3102303 | HOLLAND 520 | 23 | 2,509 | 4,628 | 1.85 | 2.31 |
| 3103605 | LAKE AVE 484 | 4 | 850 | 1,573 | 1.85 | 0.65 |
| 3102603 | EAST AURORA 343 | 4 | 14 | 26 | 1.84 | 0.01 |
| 3100302 | ELLINGTON 165 | 3 | 6 | 11 | 1.79 | 0.03 |
| 3102402 | WALES CENTER 326 | 13 | 1,802 | 3,231 | 1.79 | 2.36 |
| 3103402 | COWLESVILLE 451 | 10 | 1,788 | 3,188 | 1.78 | 2.38 |
| 3100102 | LEGION DR 153 | 6 | 349 | 620 | 1.77 | 0.53 |
| 3101801 | JAVA 280 | 18 | 3,277 | 5,798 | 1.77 | 3.68 |
| 3100701 | FROG VALLEY 184 | 13 | 1,039 | 1,827 | 1.76 | 1.51 |
| 3104801 | NORTH BROADWAY 535 | 8 | 5,303 | 9,346 | 1.76 | 1.69 |
| 3103001 | DAVIS 380 | 20 | 2,868 | 4,823 | 1.68 | 3.09 |
| 3103104 | DICK RD 393 | 6 | 50 | 83 | 1.68 | 0.03 |
| 3101702 | REIN RD 272 | 3 | 60 | 98 | 1.64 | 0.06 |
| 3102401 | WALES CENTER 325 | 12 | 2,539 | 4,153 | 1.64 | 2.39 |
| 3104202 | BENNINGTON CTR 446 | 14 | 1,662 | 2,687 | 1.62 | 1.56 |
| 3101902 | ORCHARD PARK 286 | 12 | 1,178 | 1,821 | 1.55 | 1.27 |
| 3102003 | HAMBURG 294 | 6 | 249 | 379 | 1.52 | 0.28 |
| 3101903 | ORCHARD PARK 287 | 2 | 774 | 1,172 | 1.51 | 1.11 |
| 3102201 | BLOSSOM 312 | 16 | 3,595 | 5,392 | 1.50 | 1.43 |
| 3103401 | COWLESVILLE 450 | 5 | 720 | 1,075 | 1.49 | 2.11 |
| 3104004 | LOSSON RD 402 | 14 | 670 | 996 | 1.49 | 0.17 |
| 3100103 | LEGION DR 154 | 7 | 125 | 184 | 1.48 | 0.10 |
| 3101101 | SLOAN 229 | 5 | 3,221 | 4,751 | 1.47 | 2.08 |
| 3102104 | WALDEN AVE 303 | 1 | 393 | 557 | 1.42 | 1.02 |
| 3102602 | EAST AURORA 342 | 5 | 108 | 152 | 1.41 | 0.10 |
| 3103105 | DICK RD 537 | 17 | 2,936 | 4,151 | 1.41 | 1.13 |
| 3103107 | DICK RD 396 | 8 | 2,128 | 2,988 | 1.40 | 1.33 |
| 3100702 | FROG VALLEY 185 | 8 | 372 | 516 | 1.39 | 1.26 |
| 3101204 | ELLICOTT RD 238 | 1 | 4 | 5 | 1.37 | 0.03 |
| 3102205 | BLOSSOM 517 | 17 | 11,011 | 15,097 | 1.37 | 4.81 |
| 3103603 | LAKE AVE 482 | 15 | 5,529 | 7,495 | 1.36 | 1.95 |
| 3102102 | WALDEN AVE 301 | 6 | 59 | 81 | 1.35 | 0.03 |
| 3102902 | ARMOR 372 | 10 | 723 | 970 | 1.34 | 0.37 |
| 3103003 | DAVIS 382 | 28 | 5,442 | 7,296 | 1.34 | 2.12 |
| 3104003 | LOSSON RD 403 | 14 | 3,709 | 4,981 | 1.34 | 1.18 |
| 3101701 | REIN RD 271 | 1 | 3 | 4 | 1.30 | 0.03 |
| 3103804 | TYLER ST 463 | 4 | 741 | 967 | 1.30 | 1.01 |
| 3104001 | LOSSON RD 404 | 9 | 2,737 | 3,551 | 1.30 | 1.28 |
| 3103103 | DICK RD 392 | 5 | 487 | 603 | 1.24 | 0.27 |
| 3101102 | SLOAN 230 | 1 | 15 | 18 | 1.23 | 0.01 |
| 3101703 | REIN RD 270 | 2 | 3 | 3 | 1.14 | 0.06 |
| 3103801 | TYLER ST 460 | 7 | 485 | 549 | 1.13 | 0.39 |

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| LANCASTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3101603 | ALDEN 264 | 16 | 1,013 | 1,114 | 1.10 | 0.94 |
| 3102502 | WEHRLE DR 331 | 9 | 522 | 569 | 1.09 | 0.49 |
| 3102606 | EAST AURORA 346 | 12 | 1,297 | 1,359 | 1.05 | 1.36 |
| 3102802 | EBENEZER 361 | 7 | 195 | 204 | 1.04 | 0.13 |
| 3102001 | HAMBURG 292 | 7 | 82 | 84 | 1.02 | 0.06 |
| 3102107 | WALDEN AVE 307 | 5 | 727 | 744 | 1.02 | 1.99 |
| 3101901 | ORCHARD PARK 285 | 2 | 14 | 14 | 1.00 | 0.02 |
| 3102004 | HAMBURG 295 | 1 | 31 | 31 | 1.00 | 0.10 |
| 3104005 | LOSSON RD 405 | 5 | 1,020 | 1,012 | 0.99 | 1.42 |
| 3105003 | BIG TREE 539 | 1 | 791 | 778 | 0.98 | 1.02 |
| 3103004 | DAVIS 531 | 15 | 2,518 | 2,412 | 0.96 | 1.21 |
| 3105001 | BIG TREE 528 | 18 | 4,407 | 4,129 | 0.94 | 2.02 |
| 3102002 | HAMBURG 293 | 5 | 771 | 689 | 0.89 | 0.67 |
| 3101004 | INDIAN CHURCH RD 226 | 1 | 10 | 9 | 0.88 | 0.04 |
| 3100802 | ERIE ST 203 | 3 | 2,957 | 2,583 | 0.87 | 2.12 |
| 3104902 | NEW GARDENVILLE 536 | 7 | 284 | 247 | 0.87 | 0.27 |
| 3100807 | ERIE ST 208 | 3 | 11 | 9 | 0.83 | 0.01 |
| 3105202 | ROLL RD 529 | 16 | 4,051 | 3,276 | 0.81 | 1.10 |
| 3100809 | ERIE ST 515 | 20 | 7,854 | 6,051 | 0.77 | 2.25 |
| 3103802 | TYLER ST 461 | 2 | 20 | 15 | 0.77 | 0.02 |
| 3101103 | SLOAN 231 | 4 | 971 | 741 | 0.76 | 0.48 |
| 3101203 | ELLICOTT RD 237 | 2 | 609 | 366 | 0.60 | 1.59 |
| 3105203 | ROLL RD 545 | 12 | 3,961 | 2,362 | 0.60 | 1.74 |
| 3102503 | WEHRLE DR 335 | 3 | 418 | 233 | 0.56 | 1.20 |
| 3102901 | ARMOR 371 | 7 | 2,712 | 1,382 | 0.51 | 1.25 |
| 3102801 | EBENEZER 360 | 1 | 28 | 14 | 0.50 | 0.03 |
| 3103901 | SOUTH PARK 471 | 10 | 3,092 | 1,305 | 0.42 | 1.65 |
| 3103703 | CEMETERY RD 492 | 13 | 3,316 | 1,193 | 0.36 | 1.78 |
| 3102101 | WALDEN AVE 300 | 1 | 1 | 0 | 0.27 | 0.00 |
| 3100601 | SILVER CREEK 178 | 11 | 2,285 | 590 | 0.26 | 2.04 |
| 3103303 | WENDE RD 442 | 11 | 1,567 | 415 | 0.26 | 1.13 |
| 3105201 | ROLL RD 512 | 13 | 3,784 | 985 | 0.26 | 1.30 |
| 3100602 | SILVER CREEK 179 | 10 | 2,824 | 676 | 0.24 | 2.07 |
| 3100603 | SILVER CREEK 180 | 21 | 4,151 | 859 | 0.21 | 3.11 |
| 3104802 | NORTH BROADWAY 544 | 1 | 19 | 2 | 0.08 | 1.00 |

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| LIBERTY | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2401276 | FOSTERDALE 108 | 9 | 483 | 3,070 | 6.36 | 1.33 |
| 2401970 | LIVINGSTON MANOR | 15 | 190 | 1,034 | 5.43 | 0.17 |
| 2407716 | ROCK VALLEY 216 | 11 | 687 | 3,727 | 5.42 | 5.20 |
| 2401197 | CONCORD 197 | 6 | 215 | 1,128 | 5.25 | 0.45 |
| 2401844 | LIBERTY 144 | 3 | 3 | 15 | 4.88 | 0.00 |
| 2404301 | SHORTCUT RD 349 | 3 | 97 | 465 | 4.80 | 1.20 |
| 2401842 | LIBERTY 142 | 7 | 256 | 1,215 | 4.75 | 0.37 |
| 2404030 | WILLOWEMOC 030 | 6 | 90 | 407 | 4.54 | 0.23 |
| 2407617 | FRENCH WOODS 217 | 9 | 642 | 2,900 | 4.52 | 3.45 |
| 2402227 | MAPLEWOOD 127 | 9 | 263 | 1,111 | 4.22 | 0.52 |
| 2402625 | ROCK HILL 125 | 29 | 2,342 | 9,805 | 4.19 | 1.37 |
| 2403734 | MOUNTAINDALE 107 | 11 | 2,108 | 8,406 | 3.99 | 1.21 |
| 2404401 | FREMONT-ACIDALIA | 17 | 831 | 3,217 | 3.87 | 3.83 |
| 2401514 | HAZEL 353 | 21 | 1,801 | 6,850 | 3.80 | 4.76 |
| 2402584 | OLD FALLS 284 | 7 | 325 | 1,228 | 3.78 | 0.51 |
| 2401275 | FOSTERDALE 107 | 15 | 1,496 | 5,578 | 3.73 | 2.73 |
| 2401198 | CONCORD 098 | 3 | 4 | 15 | 3.69 | 0.20 |
| 2403194 | SWAN LAKE 158 | 7 | 51 | 177 | 3.49 | 0.07 |
| 2401311 | GROSSINGER 211 | 28 | 2,000 | 6,818 | 3.41 | 1.76 |
| 2403736 | MOUNTAINDALE 106 | 24 | 1,476 | 4,892 | 3.32 | 2.31 |
| 2402322 | MONTICELLO 137 | 11 | 185 | 611 | 3.31 | 0.28 |
| 2401310 | GROSSINGER 210 | 10 | 427 | 1,396 | 3.27 | 0.39 |
| 2401196 | CONCORD 196 | 2 | 57 | 181 | 3.18 | 0.31 |
| 2401761 | KIAMESHA 261 | 4 | 314 | 999 | 3.18 | 0.82 |
| 2402588 | OLD FALLS 288 | 15 | 1,736 | 5,458 | 3.14 | 1.21 |
| 2401611 | JEFFERSONVILLE 111 | 46 | 1,599 | 4,912 | 3.07 | 1.75 |
| 2403885 | CALLICOON 285 | 67 | 11,770 | 34,750 | 2.95 | 7.21 |
| 2403195 | SWAN LAKE 157 | 6 | 361 | 1,055 | 2.92 | 0.62 |
| 2400435 | COCHECTON CENTER | 18 | 731 | 2,007 | 2.75 | 3.16 |
| 2402480 | NEVERSINK 080 | 8 | 546 | 1,504 | 2.75 | 0.56 |
| 2402321 | MONTICELLO 136 | 3 | 65 | 177 | 2.73 | 0.07 |
| 2403999 | HILLDALE 225 | 16 | 1,209 | 3,277 | 2.71 | 0.64 |
| 2403404 | YULAN 204 | 31 | 937 | 2,510 | 2.68 | 0.50 |
| 2402787 | ROSCOE 287 | 24 | 2,323 | 6,137 | 2.64 | 1.77 |
| 2402820 | SACKETT LAKE 020 | 9 | 71 | 187 | 2.64 | 0.09 |
| 2403607 | WALDEN 707 | 10 | 2,046 | 5,131 | 2.51 | 2.28 |
| 2403252 | WHITE LAKE 290 | 42 | 2,341 | 5,509 | 2.35 | 2.95 |
| 2401612 | JEFFERSONVILLE 112 | 25 | 839 | 1,918 | 2.28 | 1.25 |
| 2401760 | KIAMESHA 260 | 2 | 8 | 17 | 2.18 | 0.06 |
| 2403605 | WALDEN 705 | 9 | 271 | 584 | 2.15 | 0.12 |
| 2403658 | WALDEN 358 | 44 | 3,290 | 6,803 | 2.07 | 2.33 |
| 2403251 | WHITE LAKE 151 | 45 | 2,877 | 5,877 | 2.04 | 1.19 |
| 2403659 | WALDEN 359 | 64 | 8,199 | 16,119 | 1.97 | 2.48 |
| 2402229 | MAPLEWOOD 229 | 11 | 3,386 | 6,417 | 1.89 | 1.94 |
| 2402182 | LUXTON LAKE 182 | 24 | 1,678 | 2,938 | 1.75 | 1.79 |

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| LIBERTY | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2401763 | KIAMESHA 263 | 3 | 232 | 387 | 1.67 | 0.40 |
| 2402583 | OLD FALLS 283 | 30 | 2,751 | 4,602 | 1.67 | 1.99 |
| 2400202 | SHIELDS RD 002 | 4 | 170 | 285 | 1.67 | 0.57 |
| 2401971 | LIVINGSTON MANOR | 7 | 627 | 1,035 | 1.65 | 1.97 |
| 2402821 | SACKETT LAKE 121 | 5 | 240 | 396 | 1.65 | 0.76 |
| 2401589 | HAZEL 189 | 11 | 1,833 | 2,967 | 1.62 | 3.02 |
| 2404201 | WHITE SULPHER | 7 | 747 | 1,069 | 1.43 | 1.37 |
| 2402323 | MONTICELLO 138 | 5 | 175 | 240 | 1.37 | 0.29 |
| 2401610 | JEFFERSONVILLE 110 | 43 | 2,744 | 3,193 | 1.16 | 1.58 |
| 2401011 | BEAVER BROOK 011 | 2 | 55 | 57 | 1.04 | 0.27 |
| 2402324 | MONTICELLO 139 | 1 | 1 | 1 | 0.52 | 0.00 |

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| LOCKPORT | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3201701 | SOUTH NIAGARA ST | 1 | 777 | 2,875 | 3.70 | 0.99 |
| 3200501 | LOCUST ST 152 | 5 | 478 | 1,356 | 2.84 | 0.22 |
| 3200502 | LOCUST ST 153 | 3 | 4 | 10 | 2.32 | 0.00 |
| 3200602 | CHESTNUT RIDGE 190 | 2 | 201 | 434 | 2.16 | 0.25 |
| 3200101 | VINE ST 101 | 1 | 411 | 877 | 2.13 | 0.80 |
| 3200601 | CHESTNUT RIDGE 191 | 7 | 375 | 630 | 1.68 | 0.46 |
| 3200504 | LOCUST ST 150 | 9 | 387 | 539 | 1.39 | 0.13 |
| 3200505 | LOCUST ST 151 | 6 | 132 | 167 | 1.26 | 0.11 |
| 3201702 | SOUTH NIAGARA ST | 3 | 404 | 499 | 1.23 | 1.34 |
| 3200204 | TRANSIT 111 | 1 | 2 | 2 | 1.03 | 0.00 |
| 3200102 | VINE ST 102 | 1 | 13 | 11 | 0.87 | 0.01 |
| 3200503 | LOCUST ST 154 | 3 | 11 | 7 | 0.65 | 0.04 |

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| MECHANICVILLE | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1202112 | COONS CROSSING 601 | 2 | 86 | 382 | 4.44 | 0.26 |
| 1201701 | SALEM TAP 627 | 18 | 553 | 2,362 | 4.27 | 0.40 |
| 1203901 | CROOKED LAKE 170 | 20 | 1,630 | 6,737 | 4.13 | 1.16 |
| 1201801 | TIPLADY RD TAP 628 | 3 | 59 | 237 | 4.01 | 0.45 |
| 1203902 | CROOKED LAKE 613 | 25 | 2,702 | 10,145 | 3.75 | 2.92 |
| 1203702 | WEST SAND LAKE 161 | 8 | 1,567 | 5,845 | 3.73 | 1.24 |
| 1201501 | FLIKE RD TAP 605 | 3 | 550 | 2,024 | 3.68 | 1.71 |
| 1201301 | COMSTOCK- | 25 | 2,265 | 7,905 | 3.49 | 1.69 |
| 1209556 | WESTMASS-TERRACE | 3 | 9 | 30 | 3.32 | 2.25 |
| 1201202 | SALEM 176 | 8 | 39 | 128 | 3.29 | 0.10 |
| 1204201 | WEST SAND LAKE TAP | 8 | 1,127 | 3,607 | 3.20 | 1.80 |
| 1203101 | RUTLAND 130 | 5 | 83 | 261 | 3.15 | 0.18 |
| 1204101 | WYNANTSKILL TAP 416 | 6 | 15 | 44 | 2.93 | 0.02 |
| 1205402 | KLINE KILL 630 | 36 | 3,684 | 10,488 | 2.85 | 1.58 |
| 1201601 | VANESS RD TAP 604 | 3 | 87 | 235 | 2.71 | 0.13 |
| 1203207 | STEPHENTOWN 622 | 34 | 3,104 | 8,259 | 2.66 | 1.64 |
| 1205403 | KLINE KILL 631 | 41 | 1,785 | 4,701 | 2.63 | 0.99 |
| 1203301 | WYNANTSKILL 140 | 5 | 24 | 60 | 2.55 | 0.02 |
| 1203102 | RUTLAND 131 | 15 | 271 | 686 | 2.53 | 0.45 |
| 1204004 | CRARYVILLE 610 | 79 | 1,826 | 4,422 | 2.42 | 0.88 |
| 1203805 | WEST LEBANON 165 | 9 | 195 | 469 | 2.40 | 0.19 |
| 1203806 | WEST LEBANON 166 | 13 | 396 | 931 | 2.35 | 0.64 |
| 1203206 | STEPHENTOWN 136 | 13 | 485 | 1,132 | 2.33 | 0.47 |
| 1202312 | MECHANICVILLE 412 | 9 | 325 | 750 | 2.31 | 0.18 |
| 1201201 | SALEM 175 | 9 | 237 | 544 | 2.30 | 0.43 |
| 1203502 | MELLONVILLE 151 | 6 | 693 | 1,467 | 2.12 | 0.64 |
| 1203501 | MELLONVILLE 150 | 4 | 404 | 802 | 1.99 | 0.75 |
| 1204003 | CRARYVILLE 611 | 31 | 782 | 1,520 | 1.95 | 1.23 |
| 1201401 | GRANVILLE-SALEM TAP | 34 | 2,322 | 4,509 | 1.94 | 2.52 |
| 1203302 | WYNANTSKILL 141 | 4 | 78 | 150 | 1.92 | 0.08 |
| 1202310 | MECHANICVILLE 410 | 7 | 245 | 468 | 1.91 | 0.11 |
| 1204001 | CRARYVILLE 400 | 85 | 5,063 | 9,569 | 1.89 | 2.95 |
| 1205901 | RAYLINSKI TAP 606 | 23 | 9,304 | 16,301 | 1.75 | 2.39 |
| 1203401 | CANAAN 145 | 22 | 586 | 996 | 1.70 | 0.68 |
| 1202110 | COONS CROSSING 607 | 15 | 1,464 | 2,440 | 1.67 | 0.51 |
| 1203605 | CHATHAM 155 | 6 | 67 | 109 | 1.62 | 0.08 |
| 1208901 | SLATEVILLE 620 | 7 | 664 | 855 | 1.29 | 2.95 |
| 1202215 | STILLWATER 215 | 6 | 416 | 491 | 1.18 | 0.40 |
| 1203606 | CHATHAM 156 | 5 | 270 | 288 | 1.07 | 1.34 |
| 1206002 | MULBERRY 602 | 14 | 905 | 964 | 1.06 | 0.42 |
| 1201102 | GRANVILLE 302 | 11 | 998 | 886 | 0.89 | 1.24 |
| 1201101 | GRANVILLE 301 | 4 | 510 | 361 | 0.71 | 1.39 |
| 1202111 | COONS CROSSING 211 | 1 | 2 | 0 | 0.22 | 0.01 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| ONEONTA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2300122 | SAND ST 022 | 2 | 15 | 131 | 8.77 | 0.02 |
| 2300522 | OTEGO 022 | 11 | 172 | 1,121 | 6.52 | 0.16 |
| 2300142 | SAND ST 042 | 2 | 867 | 5,508 | 6.35 | 1.04 |
| 2305066 | MORRISVILLE 266 | 11 | 919 | 5,186 | 5.64 | 1.10 |
| 2307716 | HANCOCK 216 | 66 | 3,473 | 17,876 | 5.15 | 2.24 |
| 2304727 | EARLVILLE 227 | 9 | 1,703 | 8,535 | 5.01 | 1.61 |
| 2307210 | DELHI 210 | 16 | 723 | 3,598 | 4.97 | 0.58 |
| 2304726 | EARLVILLE 226 | 19 | 960 | 4,756 | 4.95 | 1.18 |
| 2302075 | SOUTH | 11 | 300 | 1,451 | 4.83 | 0.29 |
| 2300722 | BAINBRIDGE 022 | 4 | 48 | 224 | 4.68 | 0.08 |
| 2300612 | COLLIERS 012 | 7 | 175 | 792 | 4.53 | 0.15 |
| 2303012 | GUILDFORD CENTER | 15 | 607 | 2,698 | 4.45 | 0.71 |
| 2300520 | OTEGO 200 | 30 | 2,047 | 9,033 | 4.41 | 1.81 |
| 2304725 | EARLVILLE 225 | 20 | 425 | 1,823 | 4.29 | 0.65 |
| 2304512 | BOUCKVILLE 012 | 8 | 284 | 1,217 | 4.28 | 0.29 |
| 2300512 | OTEGO 012 | 18 | 1,604 | 6,842 | 4.26 | 2.74 |
| 2305065 | MORRISVILLE 265 | 12 | 1,394 | 5,573 | 4.00 | 2.28 |
| 2306212 | BELL AYRE 212 | 16 | 183 | 718 | 3.93 | 0.16 |
| 2305412 | SOUTH NEW BERLIN | 12 | 81 | 314 | 3.88 | 0.14 |
| 2304401 | WILLET-ONEONTA 423 | 1 | 43 | 161 | 3.73 | 0.42 |
| 2307645 | GRAND GORGE 245 | 43 | 769 | 2,855 | 3.71 | 0.55 |
| 2302112 | WEST DAVENPORT 012 | 10 | 546 | 2,014 | 3.69 | 0.53 |
| 2301970 | SPRINGFIELD CENTER | 12 | 1,495 | 5,487 | 3.67 | 1.47 |
| 2301012 | SIDNEY-RAILROAD 012 | 14 | 133 | 479 | 3.62 | 0.09 |
| 2305112 | NORTH NORWICH 012 | 8 | 366 | 1,318 | 3.60 | 0.83 |
| 2307010 | AXTELL RD 510 | 16 | 2,732 | 9,821 | 3.59 | 2.72 |
| 2307901 | SHANDAKEN 501 | 30 | 1,115 | 3,953 | 3.54 | 0.59 |
| 2300332 | PIERCE AVE 032 | 4 | 4 | 14 | 3.51 | 0.01 |
| 2300922 | UNADILLA 022 | 21 | 590 | 2,020 | 3.43 | 0.51 |
| 2305312 | WOODS CORNERS 012 | 13 | 823 | 2,812 | 3.42 | 1.08 |
| 2302704 | BROTHERTOWNE 504 | 11 | 332 | 1,093 | 3.30 | 0.54 |
| 2303912 | SOUTH EDMESTON 012 | 6 | 701 | 2,251 | 3.21 | 1.85 |
| 2308238 | WINDHAM 238 | 1 | 3 | 10 | 3.17 | 0.03 |
| 2301412 | MOUNT UPTON 012 | 12 | 138 | 418 | 3.03 | 0.20 |
| 2307032 | AXTELL RD 032 | 8 | 90 | 266 | 2.95 | 0.10 |
| 2308102 | RIVER RD 102 | 7 | 240 | 709 | 2.95 | 0.22 |
| 2305516 | EAST NORWICH 516 | 25 | 4,528 | 13,332 | 2.94 | 2.53 |
| 2300823 | COOPERSTOWN 123 | 7 | 43 | 125 | 2.92 | 0.06 |
| 2304312 | OXFORD 012 | 24 | 2,029 | 5,926 | 2.92 | 2.00 |
| 2301123 | JORDANVILLE 023 | 9 | 32 | 92 | 2.88 | 0.13 |
| 2308239 | WINDHAM 239 | 25 | 465 | 1,327 | 2.86 | 0.28 |
| 2301327 | MILFORD 227 | 20 | 1,156 | 3,190 | 2.76 | 1.01 |
| 2301358 | MILFORD 258 | 18 | 2,475 | 6,797 | 2.75 | 2.18 |
| 2307646 | GRAND GORGE 246 | 22 | 532 | 1,446 | 2.72 | 0.54 |
| 2308240 | WINDHAM 240 | 38 | 951 | 2,557 | 2.69 | 0.67 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| ONEONTA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2308105 | RIVER RD 105 | 13 | 433 | 1,124 | 2.59 | 0.42 |
| 2308104 | RIVER RD 104 | 11 | 485 | 1,234 | 2.55 | 0.44 |
| 2304322 | OXFORD 022 | 18 | 686 | 1,724 | 2.51 | 0.76 |
| 2300821 | COOPERSTOWN 121 | 9 | 94 | 233 | 2.48 | 0.11 |
| 2301822 | RICHFIELD SPRINGS | 2 | 35 | 84 | 2.40 | 0.08 |
| 2300222 | HENRY ST 151 | 1 | 21 | 50 | 2.37 | 0.03 |
| 2304122 | NEW BERLIN 022 | 13 | 1,491 | 3,481 | 2.33 | 2.71 |
| 2308241 | WINDHAM 241 | 1 | 10 | 23 | 2.33 | 0.02 |
| 2307211 | DELHI 211 | 17 | 654 | 1,516 | 2.32 | 0.71 |
| 2300304 | PIERCE AVE 204 | 15 | 166 | 386 | 2.32 | 0.30 |
| 2301812 | RICHFIELD SPRINGS | 19 | 222 | 507 | 2.29 | 0.14 |
| 2300152 | SAND ST 052 | 3 | 30 | 68 | 2.25 | 0.03 |
| 2300712 | BAINBRIDGE 012 | 11 | 286 | 636 | 2.22 | 0.27 |
| 2304232 | ORISKANY FALLS 142 | 14 | 560 | 1,213 | 2.17 | 0.56 |
| 2300312 | PIERCE AVE 012 | 2 | 2 | 4 | 2.17 | 0.01 |
| 2304222 | ORISKANY FALLS 141 | 4 | 24 | 52 | 2.16 | 0.04 |
| 2308417 | SANDS CREEK 217 | 1 | 98 | 207 | 2.12 | 0.98 |
| 2307712 | HANCOCK 012 | 2 | 19 | 40 | 2.09 | 0.03 |
| 2300912 | UNADILLA 012 | 10 | 147 | 306 | 2.08 | 0.12 |
| 2301512 | EMMONS 012 | 4 | 6 | 12 | 2.07 | 0.03 |
| 2304812 | EATON 012 | 7 | 185 | 369 | 1.99 | 0.26 |
| 2307412 | DOWNSVILLE 012 | 23 | 1,854 | 3,656 | 1.97 | 1.57 |
| 2308312 | FINCH HOLLOW 012 | 14 | 1,734 | 3,382 | 1.95 | 3.86 |
| 2307647 | GRAND GORGE 247 | 5 | 78 | 152 | 1.94 | 0.09 |
| 2307310 | DEPOSIT 110 | 8 | 747 | 1,398 | 1.87 | 1.46 |
| 2303345 | AFTON-ONEONTA 245 | 7 | 294 | 544 | 1.85 | 2.28 |
| 2307309 | DEPOSIT 109 | 25 | 2,751 | 4,870 | 1.77 | 1.95 |
| 2304942 | EDMESTON 220 | 12 | 1,234 | 2,190 | 1.77 | 1.53 |
| 2307715 | HANCOCK 215 | 2 | 53 | 94 | 1.76 | 0.46 |
| 2306960 | WEST WINFIELD 260 | 16 | 1,013 | 1,764 | 1.74 | 0.76 |
| 2304022 | BIRDSALL 022 | 1 | 1 | 2 | 1.72 | 0.00 |
| 2307011 | AXTELL RD 511 | 29 | 1,013 | 1,681 | 1.66 | 0.81 |
| 2307912 | SHANDAKEN 012 | 18 | 385 | 636 | 1.65 | 0.63 |
| 2301032 | SIDNEY-RAILROAD 032 | 6 | 95 | 155 | 1.62 | 0.07 |
| 2301614 | MORRIS 214 | 17 | 1,004 | 1,595 | 1.59 | 1.54 |
| 2306218 | BELL AYRE 218 | 5 | 314 | 471 | 1.50 | 0.81 |
| 2301212 | GILBERTSVILLE 012 | 16 | 1,250 | 1,716 | 1.37 | 1.87 |
| 2307212 | DELHI 012 | 2 | 6 | 8 | 1.36 | 0.01 |
| 2304112 | NEW BERLIN 012 | 8 | 1,031 | 1,400 | 1.36 | 1.29 |
| 2306330 | ARKVILLE 230 | 20 | 639 | 860 | 1.35 | 0.22 |
| 2304612 | BRIDGEWATER 012 | 8 | 746 | 842 | 1.13 | 1.17 |
| 2305212 | WATERVILLE 012 | 8 | 941 | 1,048 | 1.11 | 1.19 |
| 2305222 | WATERVILLE 022 | 5 | 435 | 451 | 1.03 | 1.13 |
| 2305515 | EAST NORWICH 515 | 38 | 3,544 | 3,598 | 1.02 | 1.24 |
| 2306435 | ANDES 235 | 42 | 2,706 | 2,621 | 0.97 | 1.60 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| ONEONTA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2306961 | WEST WINFIELD 261 | 16 | 1,816 | 1,672 | 0.92 | 1.43 |
| 2304072 | BIRDSALL 072 | 2 | 62 | 56 | 0.89 | 0.09 |
| 2307390 | DEPOSIT 290 | 19 | 1,385 | 1,212 | 0.87 | 1.27 |
| 2301612 | MORRIS 012 | 4 | 548 | 455 | 0.83 | 1.07 |
| 2302124 | WEST DAVENPORT 022 | 1 | 19 | 16 | 0.83 | 0.04 |
| 2301712 | WEST ST 012 | 1 | 155 | 96 | 0.62 | 1.01 |
| 2300303 | PIERCE AVE 203 | 6 | 1,054 | 608 | 0.58 | 1.32 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending CAIDI Order**
**January 1, 2010 to December 31, 2010**

| PLATTSBURGH | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1503301 | STEAMBOAT LANDING | 2 | 32 | 142 | 4.44 | 8.00 |
| 1503002 | KEESESVILLE 153 | 1 | 520 | 2,037 | 3.92 | 1.00 |
| 1501766 | SOUTH JUNCTION 466 | 2 | 38 | 141 | 3.69 | 0.05 |
| 1502602 | JAY 411 | 36 | 1,930 | 6,042 | 3.13 | 1.26 |
| 1503902 | MASON CORNERS 451 | 9 | 74 | 214 | 2.90 | 0.09 |
| 1502031 | HAMMOND LANE 431 | 1 | 1 | 3 | 2.88 | 0.00 |
| 1500817 | HYDE 417 | 14 | 682 | 1,737 | 2.54 | 0.81 |
| 1501802 | CABOT MINE 414 | 25 | 595 | 1,499 | 2.52 | 0.65 |
| 1502244 | DANNEMORA 444 | 8 | 809 | 2,034 | 2.51 | 0.59 |
| 1502601 | JAY 502 | 14 | 558 | 1,350 | 2.42 | 1.51 |
| 1502574 | HIGH FALLS 474 | 16 | 857 | 1,889 | 2.20 | 0.69 |
| 1500901 | LYON MTN 510 | 32 | 3,023 | 6,405 | 2.12 | 2.21 |
| 1502101 | CLINTONVILLE 456 | 6 | 118 | 241 | 2.05 | 0.40 |
| 1500113 | CHATEAUGAY 513 | 21 | 1,465 | 2,805 | 1.91 | 1.57 |
| 1503702 | BARTON BROOK 404 | 16 | 1,306 | 2,475 | 1.89 | 1.84 |
| 1501601 | BLUE MTN LAKE 504 | 26 | 4,663 | 8,721 | 1.87 | 3.73 |
| 1504507 | ARIZONA AVE 407 | 6 | 10 | 18 | 1.82 | 0.23 |
| 1501801 | CABOT MINE 413 | 16 | 1,601 | 2,867 | 1.79 | 1.26 |
| 1501502 | WOODRUFF POND 461 | 13 | 1,368 | 2,445 | 1.79 | 1.37 |
| 1501001 | WEST CHAZY 136 | 19 | 829 | 1,464 | 1.77 | 0.74 |
| 1503201 | PERU 426 | 15 | 537 | 946 | 1.76 | 0.45 |
| 1500114 | CHATEAUGAY 514 | 44 | 6,875 | 11,814 | 1.72 | 3.35 |
| 1503047 | KEESESVILLE 447 | 50 | 4,370 | 7,482 | 1.71 | 2.26 |
| 1501501 | WOODRUFF POND 460 | 19 | 1,376 | 2,311 | 1.68 | 1.48 |
| 1501901 | MILL C 125 | 3 | 196 | 324 | 1.65 | 0.20 |
| 1501370 | LIMESTONE 470 | 2 | 31 | 50 | 1.63 | 0.03 |
| 1503401 | HARRIS LAKE 424 | 9 | 2,858 | 4,244 | 1.48 | 4.54 |
| 1501371 | LIMESTONE 471 | 4 | 56 | 82 | 1.46 | 0.23 |
| 1502701 | STICKNEY BRIDGE 210 | 9 | 252 | 370 | 1.46 | 0.46 |
| 1501767 | SOUTH JUNCTION 467 | 20 | 1,158 | 1,642 | 1.42 | 0.68 |
| 1503701 | BARTON BROOK 403 | 20 | 1,512 | 2,127 | 1.41 | 1.76 |
| 1503901 | MASON CORNERS 450 | 14 | 2,584 | 3,549 | 1.37 | 1.91 |
| 1503202 | PERU 427 | 20 | 963 | 1,165 | 1.21 | 0.80 |
| 1503101 | NORTON 420 | 50 | 3,658 | 4,237 | 1.16 | 3.38 |
| 1500517 | SCIOTA-FLATROCK 517 | 51 | 7,276 | 8,386 | 1.15 | 2.37 |
| 1501401 | BEEKMANTOWN 133 | 11 | 172 | 187 | 1.09 | 0.18 |
| 1504508 | ARIZONA AVE 408 | 2 | 4 | 4 | 0.94 | 0.06 |
| 1502030 | HAMMOND LANE 430 | 4 | 85 | 75 | 0.88 | 0.09 |
| 1502032 | HAMMOND LANE 432 | 1 | 3 | 3 | 0.87 | 0.02 |
| 1501137 | BANKER RD 437 | 18 | 1,979 | 1,686 | 0.85 | 1.37 |
| 1501138 | BANKER RD 438 | 19 | 1,464 | 1,027 | 0.70 | 1.12 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| AUBURN | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4402901 | HAMILTON RD 530 | 9 | 2,357 | 4,104 | 1.74 | 2.71 |
| 4403401 | BRUTON RD 521 | 6 | 204 | 547 | 2.68 | 2.46 |
| 4405001 | WHITING RD 526 | 12 | 2,501 | 3,484 | 1.39 | 2.22 |
| 4401702 | GENOA 604 | 3 | 380 | 524 | 1.38 | 2.22 |
| 4401302 | JORDAN 714 | 6 | 2,189 | 911 | 0.42 | 2.11 |
| 4401301 | JORDAN 613 | 9 | 2,226 | 2,637 | 1.19 | 2.09 |
| 4403301 | MORAVIA-AUBURN 704 | 4 | 251 | 450 | 1.80 | 2.07 |
| 4402102 | STRYKER AVE 721 | 17 | 3,222 | 3,378 | 1.05 | 1.78 |
| 4400701 | AURORA 707 | 4 | 609 | 855 | 1.40 | 1.50 |
| 4400401 | UNION SPRINGS 609 | 7 | 992 | 938 | 0.95 | 1.50 |
| 4400702 | AURORA 708 | 27 | 1,034 | 1,513 | 1.46 | 1.42 |
| 4401201 | WEEDSPORT 628 | 8 | 1,055 | 3,802 | 3.60 | 1.19 |
| 4403201 | KING FERRY 528 | 2 | 522 | 806 | 1.54 | 1.13 |
| 4401701 | GENOA 603 | 6 | 567 | 603 | 1.06 | 1.07 |
| 4401101 | PORT BYRON 611 | 7 | 613 | 568 | 0.93 | 1.06 |
| 4401202 | WEEDSPORT 629 | 3 | 583 | 2,321 | 3.98 | 1.02 |
| 4401102 | PORT BYRON 633 | 4 | 1,067 | 923 | 0.86 | 0.99 |
| 4408501 | SAVANNAH 630 | 2 | 285 | 224 | 0.79 | 0.97 |
| 4400501 | GRANT AVE 718 | 2 | 750 | 662 | 0.88 | 0.96 |
| 4401602 | MARIETTA 511 | 26 | 856 | 3,534 | 4.13 | 0.89 |
| 4401503 | OTISCO 703 | 5 | 572 | 2,714 | 4.75 | 0.86 |
| 4401402 | MARCELLUS 627 | 10 | 625 | 1,706 | 2.73 | 0.71 |
| 4402101 | STRYKER AVE 702 | 17 | 1,727 | 2,369 | 1.37 | 0.71 |
| 4400304 | WRIGHT AVE 520 | 9 | 463 | 1,511 | 3.27 | 0.64 |
| 4400503 | GRANT AVE 720 | 10 | 465 | 957 | 2.06 | 0.61 |
| 4401801 | SCIPIO 605 | 12 | 203 | 627 | 3.09 | 0.51 |
| 4400502 | GRANT AVE 719 | 7 | 265 | 281 | 1.06 | 0.39 |
| 4400305 | WRIGHT AVE 703 | 4 | 110 | 261 | 2.37 | 0.31 |
| 4400203 | STATE ST 710 | 18 | 543 | 1,096 | 2.02 | 0.29 |
| 4401401 | MARCELLUS 626 | 4 | 299 | 433 | 1.45 | 0.26 |
| 4400303 | WRIGHT AVE 706 | 16 | 174 | 297 | 1.70 | 0.24 |
| 4400301 | WRIGHT AVE 704 | 3 | 231 | 240 | 1.04 | 0.22 |
| 4401501 | OTISCO 701 | 8 | 112 | 355 | 3.18 | 0.20 |
| 4400201 | STATE ST 303 | 1 | 9 | 9 | 1.02 | 0.18 |
| 4401802 | SCIPIO 606 | 7 | 65 | 100 | 1.53 | 0.17 |
| 4400302 | WRIGHT AVE 705 | 4 | 87 | 184 | 2.12 | 0.11 |
| 4400101 | CAYUGA 631 | 6 | 54 | 167 | 3.08 | 0.10 |
| 4400202 | STATE ST 709 | 6 | 171 | 177 | 1.03 | 0.07 |
| 4400601 | SWIFT AVE 314 | 1 | 44 | 30 | 0.68 | 0.07 |
| 4400802 | CLARK ST 322 | 1 | 40 | 41 | 1.03 | 0.06 |
| 4400102 | CAYUGA 632 | 5 | 12 | 24 | 2.04 | 0.03 |
| 4400602 | SWIFT AVE 315 | 1 | 15 | 24 | 1.60 | 0.02 |
| 4400603 | SWIFT AVE 316 | 1 | 3 | 7 | 2.25 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| BINGHAMTON | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 8101705 | CHENANGO BRIDGE | 18 | 11,185 | 14,654 | 1.31 | 5.49 |
| 8106501 | RICHFORD 524 | 7 | 797 | 1,016 | 1.28 | 4.24 |
| 8102901 | AFTON 429 | 37 | 8,108 | 15,539 | 1.92 | 3.93 |
| 8108201 | ROUTE 38 513 | 6 | 699 | 432 | 0.62 | 3.66 |
| 8101703 | CHENANGO BRIDGE | 4 | 253 | 285 | 1.12 | 3.51 |
| 8107701 | WEST CREEK RD 513 | 11 | 1,559 | 2,575 | 1.65 | 3.43 |
| 8102401 | FLEMINGVILLE 173 | 9 | 2,308 | 1,378 | 0.60 | 3.30 |
| 8103002 | CENTER VILLAGE 248 | 17 | 3,254 | 5,210 | 1.60 | 3.26 |
| 8102201 | WHIG ST 783 | 13 | 3,231 | 1,828 | 0.57 | 3.12 |
| 8107801 | CHENANGO VALLEY | 3 | 84 | 112 | 1.33 | 3.11 |
| 8105901 | CHERRY HILL 417 | 4 | 635 | 555 | 0.87 | 3.10 |
| 8101702 | CHENANGO BRIDGE | 5 | 3,246 | 3,736 | 1.15 | 3.05 |
| 8101701 | CHENANGO BRIDGE | 6 | 3,038 | 3,414 | 1.12 | 3.03 |
| 8104202 | MORNINGSIDE | 5 | 1,827 | 1,952 | 1.07 | 3.03 |
| 8104201 | MORNINGSIDE | 6 | 1,543 | 1,649 | 1.07 | 3.00 |
| 8102503 | MAINE 268 | 7 | 646 | 1,403 | 2.17 | 2.86 |
| 8103803 | WINDSOR 758 | 21 | 1,722 | 3,906 | 2.27 | 2.79 |
| 8103501 | SOUTH OTSELIC 427 | 26 | 1,299 | 4,472 | 3.44 | 2.60 |
| 8103302 | GREENE 607 | 18 | 1,224 | 5,215 | 4.26 | 2.59 |
| 8102501 | MAINE 266 | 6 | 1,433 | 1,205 | 0.84 | 2.50 |
| 8105201 | KINGSMAN RD 422 | 4 | 251 | 609 | 2.43 | 2.44 |
| 8105801 | BODLE HILL TAP 515 | 24 | 4,311 | 3,816 | 0.89 | 2.37 |
| 8101203 | RANO 718 | 4 | 2,907 | 3,852 | 1.33 | 2.36 |
| 8102301 | GENEGANTSLET | 16 | 3,368 | 3,937 | 1.17 | 2.27 |
| 8103602 | TARBELL 602 | 10 | 1,224 | 1,749 | 1.43 | 2.23 |
| 8105601 | OUAQUAGA WEST 430 | 4 | 445 | 577 | 1.30 | 2.19 |
| 8104001 | GLEN AUBREY 417 | 3 | 566 | 622 | 1.10 | 2.18 |
| 8103901 | BERKSHIRE 746 | 8 | 1,725 | 1,543 | 0.89 | 2.15 |
| 8104401 | WILLET 423 | 40 | 2,391 | 7,024 | 2.94 | 2.14 |
| 8103702 | VINCENT CORNERS 269 | 6 | 1,060 | 630 | 0.59 | 2.13 |
| 8107601 | OUAQUAGA EAST 430 | 8 | 601 | 861 | 1.43 | 2.09 |
| 8104402 | WILLET 421 | 10 | 847 | 2,169 | 2.56 | 2.03 |
| 8102502 | MAINE 267 | 5 | 764 | 304 | 0.40 | 2.02 |
| 8102101 | OWEGO 144 | 3 | 1,697 | 483 | 0.28 | 2.00 |
| 8101302 | WEST UNION 661 | 6 | 1,978 | 3,384 | 1.71 | 1.76 |
| 8104601 | KATTLEVILLE 422 | 24 | 4,703 | 5,969 | 1.27 | 1.65 |
| 8104301 | OAKDALE 625 | 1 | 301 | 175 | 0.58 | 1.60 |
| 8103301 | GREENE 425 | 21 | 1,125 | 1,491 | 1.32 | 1.47 |
| 8105701 | MARTIN HILL 430 | 5 | 568 | 941 | 1.66 | 1.43 |
| 8104303 | OAKDALE 627 | 4 | 1,229 | 1,326 | 1.08 | 1.39 |
| 8102602 | WHITNEY POINT 780 | 3 | 524 | 623 | 1.19 | 1.37 |
| 8107901 | LISLE 417 | 8 | 661 | 2,334 | 3.53 | 1.34 |
| 8101301 | WEST UNION 660 | 7 | 1,754 | 2,436 | 1.39 | 1.28 |
| 8104902 | SANATARIA SPRINGS | 5 | 727 | 666 | 0.92 | 1.26 |
| 8104602 | KATTLEVILLE 426 | 11 | 1,081 | 1,114 | 1.03 | 1.25 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| BINGHAMTON | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 8101901 | APALACHIN 176 | 8 | 1,010 | 570 | 0.57 | 1.25 |
| 8104302 | OAKDALE 626 | 10 | 2,147 | 1,532 | 0.71 | 1.23 |
| 8101803 | CONKLIN 263 | 9 | 723 | 1,008 | 1.39 | 1.19 |
| 8103203 | CINCINNATUS 761 | 11 | 842 | 1,998 | 2.37 | 1.11 |
| 8104901 | SANATARIA SPRINGS | 7 | 729 | 766 | 1.05 | 1.11 |
| 8102603 | WHITNEY POINT 781 | 2 | 566 | 294 | 0.52 | 1.05 |
| 8100804 | HOOPER RD 704 | 2 | 918 | 918 | 1.00 | 1.03 |
| 8105001 | FULLER HOLLOW 615 | 7 | 1,355 | 556 | 0.41 | 1.03 |
| 8100701 | JARVIS ST 687 | 3 | 1,130 | 1,599 | 1.42 | 1.01 |
| 8101204 | RANO 719 | 1 | 297 | 297 | 1.00 | 1.00 |
| 8102604 | WHITNEY POINT 782 | 2 | 397 | 179 | 0.45 | 1.00 |
| 8104304 | OAKDALE 628 | 3 | 626 | 369 | 0.59 | 0.99 |
| 8102702 | LANGDON 427 | 9 | 663 | 1,184 | 1.79 | 0.64 |
| 8100401 | NOYES ISLAND 101 | 1 | 286 | 496 | 1.73 | 0.63 |
| 8100302 | HARPUR 669 | 1 | 44 | 382 | 8.69 | 0.62 |
| 4302501 | HALSEY VALLEY 530 | 8 | 272 | 333 | 1.22 | 0.57 |
| 8100206 | BURR AVE 612 | 5 | 536 | 656 | 1.22 | 0.52 |
| 8105501 | HOADLEY HILL 430 | 9 | 342 | 963 | 2.81 | 0.51 |
| 8103801 | WINDSOR 757 | 7 | 399 | 885 | 2.22 | 0.44 |
| 8107402 | SOUTH OWEGO 540 | 14 | 1,067 | 1,125 | 1.05 | 0.41 |
| 8102704 | LANGDON 609 | 7 | 274 | 1,075 | 3.92 | 0.39 |
| 8101401 | VESTAL 623 | 12 | 376 | 592 | 1.57 | 0.38 |
| 8104404 | WILLET 418 | 19 | 227 | 637 | 2.80 | 0.36 |
| 8108301 | BEVIER ST 664 | 1 | 202 | 169 | 0.84 | 0.36 |
| 8104204 | MORNINGSIDE | 1 | 1 | 1 | 1.23 | 0.33 |
| 8104102 | CASTLE GARDEN 622 | 24 | 766 | 1,726 | 2.26 | 0.30 |
| 4305101 | CASS HILL-ITHACA 743 | 3 | 13 | 9 | 0.66 | 0.27 |
| 8102801 | LOUNSBERRY 178 | 15 | 265 | 718 | 2.71 | 0.26 |
| 8103401 | MARATHON 434 | 11 | 144 | 288 | 2.00 | 0.26 |
| 8102001 | BODLE HILL 645 | 6 | 86 | 143 | 1.67 | 0.26 |
| 8101801 | CONKLIN 229 | 8 | 271 | 352 | 1.30 | 0.25 |
| 8102002 | BODLE HILL 646 | 2 | 241 | 269 | 1.12 | 0.25 |
| 8102701 | LANGDON 610 | 7 | 287 | 830 | 2.89 | 0.21 |
| 8105003 | FULLER HOLLOW 617 | 14 | 312 | 462 | 1.47 | 0.20 |
| 8100605 | GLENWOOD 684 | 2 | 318 | 337 | 1.06 | 0.18 |
| 8100203 | BURR AVE 710 | 4 | 71 | 209 | 2.95 | 0.17 |
| 8102802 | LOUNSBERRY 179 | 10 | 167 | 420 | 2.52 | 0.17 |
| 8101001 | ENDICOTT RAILWAY | 3 | 110 | 117 | 1.06 | 0.17 |
| 8100607 | GLENWOOD 686 | 7 | 312 | 400 | 1.28 | 0.16 |
| 8104101 | CASTLE GARDEN 621 | 8 | 177 | 296 | 1.67 | 0.15 |
| 8105002 | FULLER HOLLOW 616 | 2 | 83 | 24 | 0.29 | 0.15 |
| 4301202 | CANDOR 722 | 1 | 70 | 230 | 3.28 | 0.14 |
| 8100204 | BURR AVE 711 | 3 | 88 | 451 | 5.12 | 0.11 |
| 8100903 | ENDICOTT CLARK ST | 9 | 325 | 431 | 1.33 | 0.11 |
| 8100801 | HOOPER RD 701 | 3 | 109 | 94 | 0.86 | 0.11 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
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**January 1, 2010 to December 31, 2010**

| BINGHAMTON | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 8101503 | NOWLAN RD 228 | 2 | 63 | 39 | 0.63 | 0.11 |
| 8100504 | GOUDEY 724 | 1 | 7 | 43 | 6.15 | 0.06 |
| 4301201 | CANDOR 529 | 14 | 60 | 175 | 2.91 | 0.06 |
| 8101603 | WHITNEY AVE 653 | 2 | 31 | 90 | 2.89 | 0.06 |
| 8101201 | RANO 693 | 1 | 13 | 31 | 2.38 | 0.06 |
| 8100405 | NOYES ISLAND 111 | 2 | 71 | 58 | 0.81 | 0.06 |
| 8101606 | WHITNEY AVE 656 | 4 | 83 | 223 | 2.69 | 0.05 |
| 8109806 | NORTH ENDICOTT 361 | 6 | 77 | 84 | 1.09 | 0.05 |
| 8102703 | LANGDON 608 | 1 | 11 | 29 | 2.67 | 0.04 |
| 8100803 | HOOPER RD 703 | 4 | 29 | 51 | 1.74 | 0.04 |
| 8100418 | NOYES ISLAND 278 | 1 | 22 | 30 | 1.38 | 0.04 |
| 8100706 | JARVIS ST 692 | 2 | 73 | 80 | 1.09 | 0.04 |
| 8100402 | NOYES ISLAND 103 | 1 | 17 | 16 | 0.97 | 0.04 |
| 8100502 | GOUDEY 722 | 1 | 76 | 57 | 0.75 | 0.04 |
| 8105101 | CASS HILL 743 | 2 | 4 | 17 | 4.10 | 0.03 |
| 8108001 | INGRAHAM HILL 433 | 4 | 16 | 41 | 2.58 | 0.03 |
| 8100103 | MORRIS ST 659 | 6 | 40 | 101 | 2.49 | 0.03 |
| 8100602 | GLENWOOD 681 | 1 | 31 | 34 | 1.10 | 0.03 |
| 8103101 | CHENANGO FORKS 206 | 4 | 6 | 11 | 1.87 | 0.02 |
| 8101501 | NOWLAN RD 226 | 2 | 23 | 35 | 1.52 | 0.02 |
| 8100503 | GOUDEY 723 | 1 | 15 | 6 | 0.42 | 0.02 |
| 8100101 | MORRIS ST 657 | 3 | 29 | 132 | 4.57 | 0.01 |
| 8101002 | ENDICOTT RAILWAY | 1 | 8 | 12 | 1.55 | 0.01 |
| 8101101 | ENDICOTT HILL 181 | 1 | 14 | 13 | 0.92 | 0.01 |
| 8100304 | HARPUR 671 | 1 | 14 | 3 | 0.22 | 0.01 |
| 8101102 | ENDICOTT HILL 183 | 2 | 4 | 13 | 3.23 | 0.00 |
| 8100407 | NOYES ISLAND 121 | 1 | 2 | 2 | 0.82 | 0.00 |
| 8101402 | VESTAL 715 | 1 | 2 | 1 | 0.72 | 0.00 |
| 8100703 | JARVIS ST 689 | 1 | 8 | 3 | 0.37 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| BREWSTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1105724 | CRAFTS 424 | 36 | 8,690 | 21,897 | 2.52 | 6.85 |
| 1109701 | CARMEL 501 | 37 | 10,572 | 22,295 | 2.11 | 4.80 |
| 1106855 | POUND RIDGE 455 | 41 | 7,422 | 18,689 | 2.52 | 4.76 |
| 1107733 | UNION VALLEY 433 | 37 | 9,740 | 16,059 | 1.65 | 4.30 |
| 1106575 | WEST PATTERSON 475 | 55 | 6,113 | 12,936 | 2.12 | 4.05 |
| 1105870 | CROSS RIVER 470 | 43 | 4,749 | 7,673 | 1.61 | 3.95 |
| 1105583 | CANTITOE 283 | 21 | 1,799 | 3,909 | 2.17 | 3.88 |
| 1105723 | CRAFTS 423 | 35 | 9,461 | 12,167 | 1.29 | 3.85 |
| 1105869 | CROSS RIVER 469 | 18 | 2,859 | 8,479 | 2.97 | 3.70 |
| 1106574 | WEST PATTERSON 474 | 21 | 3,264 | 5,179 | 1.59 | 3.68 |
| 1105597 | CANTITOE 497 | 56 | 4,948 | 15,007 | 3.03 | 3.63 |
| 1106121 | GOLDEN BRIDGE 421 | 39 | 4,103 | 9,084 | 2.21 | 3.61 |
| 1107078 | SYLVAN LAKE 478 | 31 | 7,042 | 24,709 | 3.51 | 3.60 |
| 1107242 | TILLY FOSTER 442 | 16 | 3,150 | 4,426 | 1.40 | 3.60 |
| 1106667 | PAWLING 509 | 29 | 4,615 | 8,097 | 1.75 | 3.57 |
| 1109703 | CARMEL 503 | 17 | 3,363 | 9,634 | 2.87 | 3.48 |
| 1107237 | TILLY FOSTER 437 | 14 | 3,270 | 10,443 | 3.19 | 3.41 |
| 1106858 | POUND RIDGE 458 | 36 | 1,919 | 3,583 | 1.87 | 3.38 |
| 1105115 | ADAMS CORNERS 412 | 30 | 4,603 | 7,777 | 1.69 | 3.33 |
| 1106857 | POUND RIDGE 457 | 18 | 1,962 | 3,226 | 1.64 | 3.31 |
| 1105111 | ADAMS CORNERS 411 | 38 | 6,200 | 13,699 | 2.21 | 3.17 |
| 1105113 | ADAMS CORNERS 413 | 17 | 2,188 | 4,033 | 1.84 | 3.14 |
| 1109706 | CARMEL 502 | 20 | 4,490 | 13,644 | 3.04 | 3.03 |
| 1107238 | TILLY FOSTER 438 | 15 | 5,062 | 7,153 | 1.41 | 2.90 |
| 1105722 | CRAFTS 422 | 18 | 4,079 | 9,554 | 2.34 | 2.79 |
| 1105352 | AMENIA 153 | 10 | 1,323 | 1,839 | 1.39 | 2.66 |
| 1107843 | TEN MILE RIVER 443 | 12 | 1,839 | 5,261 | 2.86 | 2.47 |
| 1107241 | TILLY FOSTER 441 | 24 | 3,555 | 5,454 | 1.53 | 2.45 |
| 1106104 | GOLDEN BRIDGE 414 | 20 | 2,385 | 4,195 | 1.76 | 2.44 |
| 1105679 | KENT CLIFFS 292 | 13 | 1,240 | 3,770 | 3.04 | 2.38 |
| 1105002 | CROTON FALLS 514 | 7 | 1,922 | 3,162 | 1.64 | 2.33 |
| 1105462 | BEDFORD HILLS 462 | 14 | 2,420 | 8,692 | 3.59 | 2.27 |
| 1107189 | TEAKETTLE SPOUT 489 | 9 | 2,457 | 4,124 | 1.68 | 2.24 |
| 1105251 | AMAWALK 451 | 24 | 2,275 | 2,956 | 1.30 | 2.19 |
| 1107239 | TILLY FOSTER 439 | 11 | 1,987 | 2,355 | 1.18 | 2.15 |
| 1105868 | CROSS RIVER 468 | 7 | 1,621 | 2,097 | 1.29 | 2.10 |
| 1107433 | HAVILAND HOLLOW 426 | 20 | 1,529 | 2,760 | 1.80 | 2.07 |
| 1107080 | SYLVAN LAKE 480 | 14 | 1,775 | 3,423 | 1.93 | 1.79 |
| 1106856 | POUND RIDGE 456 | 23 | 1,570 | 6,372 | 4.06 | 1.61 |
| 1105978 | DINGLE RIDGE 278 | 12 | 684 | 2,389 | 3.49 | 1.55 |
| 1106984 | PUTNAM LAKE 484 | 21 | 1,557 | 2,268 | 1.46 | 1.53 |
| 1106750 | PEACH LAKE 250 | 7 | 772 | 5,619 | 7.28 | 1.48 |
| 1106668 | PAWLING 508 | 19 | 1,990 | 3,004 | 1.51 | 1.46 |
| 1105253 | AMAWALK 453 | 20 | 2,514 | 5,746 | 2.29 | 1.40 |
| 1105977 | DINGLE RIDGE 277 | 12 | 463 | 1,079 | 2.33 | 1.39 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
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| BREWSTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1105249 | AMAWALK 449 | 10 | 1,737 | 3,786 | 2.18 | 1.38 |
| 1106120 | GOLDEN BRIDGE 420 | 13 | 1,503 | 3,621 | 2.41 | 1.33 |
| 1107434 | HAVILAND HOLLOW 427 | 20 | 1,623 | 3,994 | 2.46 | 1.32 |
| 1107732 | UNION VALLEY 432 | 21 | 2,301 | 4,289 | 1.86 | 1.32 |
| 1105004 | CROTON FALLS 515 | 13 | 1,674 | 1,385 | 0.83 | 1.32 |
| 1106107 | GOLDEN BRIDGE 417 | 15 | 618 | 2,066 | 3.34 | 1.31 |
| 1106985 | PUTNAM LAKE 485 | 20 | 1,381 | 3,976 | 2.88 | 1.31 |
| 1106275 | KENT 175 | 11 | 1,602 | 1,056 | 0.66 | 1.28 |
| 1107731 | UNION VALLEY 431 | 6 | 1,867 | 6,021 | 3.22 | 1.25 |
| 1106108 | GOLDEN BRIDGE 418 | 20 | 1,200 | 2,519 | 2.10 | 1.19 |
| 1106346 | MOHANSIC 406 | 7 | 749 | 1,096 | 1.46 | 1.18 |
| 1106342 | MOHANSIC 404 | 9 | 746 | 2,409 | 3.23 | 1.12 |
| 1107191 | TEAKETTLE SPOUT 491 | 8 | 1,138 | 762 | 0.67 | 1.06 |
| 1105582 | CANTITOE 282 | 11 | 601 | 1,382 | 2.30 | 1.03 |
| 1106986 | PUTNAM LAKE 486 | 22 | 1,505 | 1,917 | 1.27 | 0.94 |
| 1106276 | KENT 176 | 4 | 805 | 1,376 | 1.71 | 0.91 |
| 1105691 | KENT CLIFFS 291 | 8 | 428 | 1,397 | 3.26 | 0.58 |
| 1107844 | TEN MILE RIVER 444 | 23 | 803 | 1,928 | 2.40 | 0.49 |
| 1105354 | AMENIA 154 | 15 | 454 | 2,270 | 5.00 | 0.39 |
| 1106749 | PEACH LAKE 249 | 5 | 322 | 1,215 | 3.77 | 0.38 |
| 1106343 | MOHANSIC 405 | 6 | 402 | 1,026 | 2.55 | 0.38 |
| 1107081 | SYLVAN LAKE 481 | 18 | 681 | 1,366 | 2.01 | 0.35 |
| 1105425 | BEDFORD HILLS 225 | 5 | 331 | 771 | 2.33 | 0.31 |
| 1106094 | DOVER PLAINS 494 | 16 | 420 | 1,060 | 2.53 | 0.20 |
| 1105463 | BEDFORD HILLS 463 | 7 | 242 | 463 | 1.91 | 0.20 |
| 1105095 | CROTON FALLS 516 | 8 | 187 | 362 | 1.94 | 0.15 |
| 1105427 | BEDFORD HILLS 227 | 8 | 80 | 203 | 2.55 | 0.11 |
| 1106340 | MOHANSIC 403 | 5 | 49 | 104 | 2.12 | 0.08 |
| 1106666 | PAWLING 166 | 3 | 6 | 10 | 1.61 | 0.01 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
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| ELMIRA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 5204447 | SOUTH ADDISON 347 | 20 | 2,201 | 6,270 | 2.85 | 4.74 |
| 5200925 | HAMPTON RD 325 | 17 | 2,460 | 7,426 | 3.02 | 4.30 |
| 5206898 | PRATTSBURG TAP 598 | 8 | 740 | 2,594 | 3.50 | 4.11 |
| 5203462 | CANADA RD 562 | 18 | 6,257 | 19,830 | 3.17 | 3.96 |
| 5203834 | HAMMONDSPORT 334 | 17 | 3,054 | 6,574 | 2.15 | 3.88 |
| 5204241 | PRESHO 341 | 34 | 2,987 | 6,103 | 2.04 | 3.74 |
| 5201418 | CHEMUNG 318 | 35 | 2,848 | 5,984 | 2.10 | 2.89 |
| 5202528 | WOODHULL - ELMIRA | 10 | 253 | 599 | 2.36 | 2.81 |
| 5204545 | WHISKEY CREEK 345 | 16 | 1,916 | 1,863 | 0.97 | 2.39 |
| 5201607 | RIDGE RD 307 | 23 | 1,443 | 2,816 | 1.95 | 2.22 |
| 5204544 | WHISKEY CREEK 344 | 23 | 1,753 | 2,434 | 1.39 | 2.20 |
| 5203352 | CAMPBELL 352 | 15 | 1,199 | 4,721 | 3.94 | 2.17 |
| 5206335 | NORTH URBANA 535 | 18 | 3,138 | 11,049 | 3.52 | 2.17 |
| 5204140 | PRATTSBURG 240 | 10 | 1,012 | 2,691 | 2.66 | 2.17 |
| 5201601 | RIDGE RD 501 | 25 | 3,232 | 3,581 | 1.11 | 2.16 |
| 5204141 | PRATTSBURG 241 | 12 | 1,307 | 3,494 | 2.67 | 2.13 |
| 5204398 | PULTENEY TAP 598 | 4 | 1,283 | 3,434 | 2.68 | 2.03 |
| 5202012 | MONTOUR FALLS 512 | 22 | 2,013 | 2,737 | 1.36 | 1.60 |
| 5203833 | HAMMONDSPORT 333 | 10 | 883 | 2,020 | 2.29 | 1.58 |
| 5203843 | HAMMONDSPORT 243 | 13 | 1,100 | 5,474 | 4.98 | 1.36 |
| 5205435 | DINEHARTS 535 | 2 | 247 | 1,079 | 4.37 | 1.36 |
| 5203351 | CAMPBELL 351 | 13 | 673 | 1,191 | 1.77 | 1.28 |
| 5204446 | SOUTH ADDISON 346 | 14 | 1,659 | 1,336 | 0.81 | 1.24 |
| 5200105 | WEST ELMIRA 105 | 7 | 1,243 | 3,182 | 2.56 | 1.13 |
| 5200104 | WEST ELMIRA 104 | 2 | 438 | 960 | 2.19 | 1.09 |
| 5200618 | 14TH ST 118 | 3 | 651 | 700 | 1.08 | 1.04 |
| 5200111 | WEST ELMIRA 111 | 4 | 1,283 | 2,367 | 1.84 | 1.02 |
| 5201711 | GOSS RD 211 | 4 | 710 | 426 | 0.60 | 1.01 |
| 5200583 | WOODLAWN AVE 183 | 3 | 1,110 | 125 | 0.11 | 1.01 |
| 5200102 | WEST ELMIRA 102 | 1 | 200 | 460 | 2.30 | 0.99 |
| 5201419 | CHEMUNG 319 | 11 | 330 | 1,010 | 3.06 | 0.93 |
| 5206529 | PHILO RD 329 | 17 | 1,426 | 3,337 | 2.34 | 0.88 |
| 5200811 | RIVERSIDE 311 | 3 | 801 | 1,764 | 2.20 | 0.88 |
| 5201021 | BULKHEAD 321 | 33 | 1,409 | 3,391 | 2.41 | 0.83 |
| 5205591 | NEW CORNING 391 | 2 | 640 | 785 | 1.23 | 0.75 |
| 5204003 | KEUKA-ELMIRA 203 | 10 | 653 | 1,585 | 2.43 | 0.74 |
| 5201798 | GOSS RD 398 | 1 | 61 | 448 | 7.35 | 0.72 |
| 5201022 | BULKHEAD 322 | 16 | 585 | 1,406 | 2.41 | 0.67 |
| 5204781 | HICKLING 381 | 24 | 1,044 | 2,360 | 2.26 | 0.67 |
| 5204637 | KANONA 337 | 4 | 174 | 312 | 1.80 | 0.66 |
| 5206901 | MONTOUR ODESSA | 15 | 558 | 1,421 | 2.55 | 0.63 |
| 5202011 | MONTOUR FALLS 511 | 18 | 795 | 1,346 | 1.69 | 0.63 |
| 5201202 | BROAD ST 302 | 4 | 310 | 200 | 0.64 | 0.60 |
| 5200927 | HAMPTON RD 327 | 1 | 124 | 279 | 2.25 | 0.59 |
| 5204636 | KANONA 336 | 6 | 73 | 409 | 5.62 | 0.57 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
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| ELMIRA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 5204782 | HICKLING 382 | 11 | 537 | 930 | 1.73 | 0.55 |
| 5200286 | MADISON AVE 386 | 4 | 220 | 165 | 0.75 | 0.52 |
| 4302701 | VAN ETTEN 570 | 11 | 396 | 1,205 | 3.04 | 0.51 |
| 5202033 | MONTOUR FALLS 233 | 9 | 509 | 841 | 1.65 | 0.48 |
| 5201606 | RIDGE RD 306 | 17 | 927 | 1,367 | 1.48 | 0.47 |
| 5201605 | RIDGE RD 305 | 18 | 642 | 1,106 | 1.72 | 0.46 |
| 5203908 | KANE ST 208 | 9 | 345 | 895 | 2.60 | 0.36 |
| 5203139 | BATH 339 | 12 | 334 | 803 | 2.41 | 0.36 |
| 5203464 | CANADA RD 564 | 9 | 631 | 1,948 | 3.09 | 0.34 |
| 5200370 | FIRST ST 370 | 2 | 36 | 281 | 7.82 | 0.30 |
| 5202139 | CAYUTA 239 | 7 | 92 | 139 | 1.51 | 0.26 |
| 5201200 | BROAD ST 300 | 5 | 261 | 196 | 0.75 | 0.25 |
| 5206631 | BATH TAP 531 | 2 | 29 | 147 | 5.08 | 0.20 |
| 5203721 | FULTON ST 221 | 2 | 255 | 355 | 1.39 | 0.20 |
| 5200812 | RIVERSIDE 312 | 3 | 27 | 36 | 1.32 | 0.18 |
| 4203105 | DUNDEE 205 | 7 | 193 | 810 | 4.20 | 0.16 |
| 5203659 | FALLBROOK 359 | 1 | 5 | 4 | 0.77 | 0.16 |
| 5203660 | FALLBROOK 360 | 11 | 224 | 388 | 1.73 | 0.12 |
| 5200416 | HILLCREST RD 316 | 17 | 202 | 301 | 1.49 | 0.09 |
| 5200415 | HILLCREST RD 315 | 2 | 24 | 34 | 1.44 | 0.09 |
| 5204002 | KEUKA-ELMIRA 202 | 6 | 27 | 79 | 2.95 | 0.08 |
| 5202031 | MONTOUR FALLS 231 | 4 | 19 | 29 | 1.58 | 0.08 |
| 5200290 | MADISON AVE 090 | 1 | 35 | 38 | 1.08 | 0.08 |
| 4204001 | KEUKA 201 | 5 | 40 | 80 | 1.98 | 0.05 |
| 5201023 | BULKHEAD 323 | 4 | 85 | 126 | 1.48 | 0.05 |
| 5200814 | RIVERSIDE 314 | 4 | 32 | 36 | 1.13 | 0.05 |
| 5203723 | FULTON ST 223 | 5 | 19 | 67 | 3.54 | 0.04 |
| 5200926 | HAMPTON RD 326 | 4 | 47 | 101 | 2.16 | 0.04 |
| 5200371 | FIRST ST 371 | 1 | 16 | 14 | 0.87 | 0.04 |
| 5203907 | KANE ST 207 | 4 | 29 | 112 | 3.86 | 0.03 |
| 5200989 | HAMPTON RD 089 | 3 | 47 | 49 | 1.04 | 0.03 |
| 5200266 | MADISON AVE 066 | 1 | 4 | 4 | 0.88 | 0.03 |
| 5201201 | BROAD ST 301 | 1 | 18 | 25 | 1.38 | 0.02 |
| 5201203 | BROAD ST 303 | 1 | 1 | 3 | 2.63 | 0.01 |
| 5203722 | FULTON ST 222 | 1 | 11 | 22 | 2.02 | 0.01 |
| 5201143 | TUTTLE PLACE 143 | 2 | 5 | 8 | 1.54 | 0.01 |
| 5206530 | PHILO RD 330 | 4 | 6 | 9 | 1.49 | 0.01 |
| 5200285 | MADISON AVE 385 | 2 | 12 | 9 | 0.74 | 0.01 |
| 5200617 | 14TH ST 117 | 1 | 12 | 9 | 0.72 | 0.01 |
| 5200619 | 14TH ST 119 | 1 | 1 | 2 | 1.65 | 0.00 |
| 5200582 | WOODLAWN AVE 182 | 1 | 1 | 1 | 1.42 | 0.00 |

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**January 1, 2010 to December 31, 2010**

| GENEVA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4200503 | LYONS 603 | 14 | 6,507 | 7,232 | 1.11 | 4.08 |
| 4207769 | HYATT RD 569 | 32 | 5,921 | 9,580 | 1.62 | 3.81 |
| 4201801 | MAC DOUGALL 601 | 25 | 2,551 | 3,139 | 1.23 | 3.60 |
| 4203302 | BANKERT RD 602 | 15 | 5,129 | 8,789 | 1.71 | 3.32 |
| 4203301 | BANKERT RD 601 | 6 | 1,744 | 5,352 | 3.07 | 3.02 |
| 4203096 | GREENIDGE 596 | 34 | 5,396 | 11,555 | 2.14 | 2.67 |
| 4200603 | CLYDE 203 | 14 | 1,538 | 1,188 | 0.77 | 2.27 |
| 4200602 | CLYDE 202 | 14 | 2,134 | 1,447 | 0.68 | 2.19 |
| 4200404 | VAN BUREN ST 604 | 8 | 3,317 | 4,452 | 1.34 | 2.11 |
| 4202701 | ST JOHNS 201 | 5 | 590 | 3,671 | 6.22 | 2.08 |
| 4200501 | LYONS 601 | 3 | 435 | 225 | 0.52 | 2.08 |
| 4201001 | WEST GENEVA 601 | 21 | 2,335 | 3,588 | 1.54 | 2.04 |
| 4204389 | BLODGETT RD 589 | 9 | 2,460 | 12,669 | 5.15 | 2.01 |
| 4200502 | LYONS 602 | 4 | 402 | 207 | 0.51 | 1.99 |
| 4201802 | MAC DOUGALL 702 | 13 | 1,817 | 2,777 | 1.53 | 1.88 |
| 4200406 | VAN BUREN ST 606 | 26 | 3,566 | 7,972 | 2.24 | 1.85 |
| 4200403 | VAN BUREN ST 603 | 22 | 3,172 | 3,814 | 1.20 | 1.42 |
| 4201501 | WATERLOO 201 | 13 | 1,768 | 771 | 0.44 | 1.15 |
| 4204789 | RUSHVILLE TAP 589 | 9 | 535 | 1,999 | 3.73 | 1.14 |
| 4203899 | FLAT ST 599 | 6 | 352 | 897 | 2.55 | 1.11 |
| 4200102 | MACEDON 602 | 7 | 1,521 | 5,991 | 3.94 | 1.04 |
| 4208001 | OVID-GENEVA 001 | 1 | 34 | 53 | 1.55 | 0.94 |
| 4200103 | MACEDON 603 | 11 | 497 | 1,144 | 2.31 | 0.70 |
| 4200601 | CLYDE 201 | 1 | 2 | 0 | 0.12 | 0.67 |
| 4207947 | SLEIGHT RD 547 | 13 | 368 | 1,006 | 2.74 | 0.65 |
| 4203897 | FLAT ST 597 | 43 | 1,533 | 4,597 | 3.00 | 0.56 |
| 4207946 | SLEIGHT RD 546 | 25 | 916 | 1,891 | 2.06 | 0.56 |
| 4201101 | LEHIGH ST 601 | 15 | 780 | 999 | 1.28 | 0.53 |
| 4202601 | DRESDEN 201 | 4 | 210 | 694 | 3.30 | 0.39 |
| 4201703 | SENECA FALLS 603 | 21 | 639 | 1,954 | 3.06 | 0.36 |
| 4200801 | PHELPS 201 | 7 | 324 | 1,251 | 3.87 | 0.26 |
| 4202401 | MIDDLESEX 201 | 17 | 264 | 1,073 | 4.06 | 0.24 |
| 4200101 | MACEDON 601 | 11 | 302 | 671 | 2.23 | 0.22 |
| 4201102 | LEHIGH ST 602 | 6 | 210 | 607 | 2.89 | 0.21 |
| 4203989 | VOAK RD 589 | 8 | 49 | 155 | 3.19 | 0.19 |
| 4202302 | RUSHVILLE 202 | 8 | 134 | 399 | 2.98 | 0.18 |
| 4201002 | WEST GENEVA 602 | 16 | 101 | 188 | 1.87 | 0.15 |
| 4201502 | WATERLOO 202 | 3 | 110 | 208 | 1.89 | 0.13 |
| 4201004 | WEST GENEVA 604 | 15 | 284 | 264 | 0.93 | 0.13 |
| 4201701 | SENECA FALLS 601 | 8 | 135 | 456 | 3.37 | 0.12 |
| 4204686 | HALEY RD 586 | 5 | 62 | 89 | 1.44 | 0.11 |
| 4200202 | PALMYRA 202 | 3 | 119 | 60 | 0.51 | 0.11 |
| 4201003 | WEST GENEVA 603 | 9 | 206 | 274 | 1.33 | 0.09 |
| 4203105 | DUNDEE 205 | 3 | 106 | 68 | 0.64 | 0.09 |
| 4202901 | MILO 201 | 5 | 60 | 172 | 2.88 | 0.08 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| GENEVA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4200405 | VAN BUREN ST 605 | 7 | 96 | 233 | 2.43 | 0.08 |
| 4200201 | PALMYRA 201 | 4 | 98 | 546 | 5.57 | 0.07 |
| 4201702 | SENECA FALLS 602 | 5 | 99 | 171 | 1.73 | 0.07 |
| 4202101 | GORHAM 201 | 3 | 19 | 95 | 5.02 | 0.05 |
| 4200902 | OAK CORNERS 202 | 2 | 5 | 25 | 5.04 | 0.02 |
| 4202102 | GORHAM 202 | 3 | 7 | 8 | 1.16 | 0.02 |
| 4202501 | BELLONA 201 | 3 | 6 | 16 | 2.75 | 0.01 |
| 4202201 | HALL 201 | 1 | 1 | 3 | 2.70 | 0.01 |
| 4200901 | OAK CORNERS 201 | 1 | 4 | 7 | 1.83 | 0.01 |
| 4204001 | KEUKA 201 | 1 | 1 | 2 | 2.00 | 0.00 |
| 4201503 | WATERLOO 203 | 1 | 1 | 2 | 1.90 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| HORNELL | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 5302163 | TROUPSBURG 563 | 16 | 1,067 | 1,631 | 1.53 | 2.66 |
| 5301220 | LEICESTER 320 | 15 | 1,951 | 5,958 | 3.05 | 2.48 |
| 5302240 | WALLACE 340 | 31 | 2,573 | 5,472 | 2.13 | 2.26 |
| 5302380 | WARSAW 380 | 14 | 2,709 | 3,021 | 1.11 | 2.26 |
| 5301266 | LEICESTER 266 | 7 | 495 | 1,710 | 3.45 | 2.12 |
| 5301570 | PALMITER RD 370 | 17 | 1,563 | 3,822 | 2.44 | 2.12 |
| 5303639 | JASPER 539 | 8 | 587 | 1,040 | 1.77 | 1.57 |
| 5302528 | WOODHULL 228 | 18 | 858 | 1,127 | 1.31 | 1.56 |
| 5302067 | STANTON AVE 367 | 4 | 199 | 350 | 1.76 | 1.54 |
| 5302068 | STANTON AVE 368 | 13 | 2,267 | 3,561 | 1.57 | 1.37 |
| 5307043 | MORAINE RD 543 | 17 | 1,019 | 1,227 | 1.20 | 1.35 |
| 5300641 | BENNETT 541 | 16 | 1,515 | 2,781 | 1.84 | 1.16 |
| 5300468 | ATLANTA 568 | 19 | 1,006 | 3,406 | 3.39 | 1.12 |
| 5300281 | WEBB CROSSING 281 | 6 | 690 | 2,225 | 3.22 | 1.11 |
| 5300320 | ARKPORT 220 | 4 | 1,132 | 1,280 | 1.13 | 1.11 |
| 5303894 | ROBESON 594 | 3 | 80 | 86 | 1.08 | 1.11 |
| 5302431 | WAYLAND 231 | 18 | 1,047 | 1,520 | 1.45 | 1.01 |
| 5301752 | PORTAGEVILLE 252 | 4 | 220 | 360 | 1.64 | 0.94 |
| 5300719 | CANASERAGA 219 | 7 | 406 | 863 | 2.13 | 0.90 |
| 5303794 | GAINESVILLE 594 | 5 | 354 | 592 | 1.67 | 0.86 |
| 5301350 | MEYER 350 | 40 | 1,486 | 4,379 | 2.95 | 0.80 |
| 5301573 | PALMITER RD 373 | 13 | 711 | 1,122 | 1.58 | 0.78 |
| 5301110 | HOWARD 310 | 3 | 111 | 207 | 1.86 | 0.75 |
| 5301351 | MEYER 351 | 17 | 775 | 3,177 | 4.10 | 0.55 |
| 5301615 | PERRY CENTER 215 | 2 | 101 | 250 | 2.48 | 0.46 |
| 5301572 | PALMITER RD 372 | 11 | 261 | 513 | 1.97 | 0.40 |
| 5301431 | NAPLES 331 | 7 | 190 | 502 | 2.64 | 0.35 |
| 5301430 | NAPLES 330 | 4 | 148 | 540 | 3.64 | 0.34 |
| 5307080 | MORAINE RD 580 | 8 | 232 | 564 | 2.43 | 0.34 |
| 5301111 | HOWARD 311 | 6 | 123 | 260 | 2.12 | 0.33 |
| 5301955 | SPRING WATER 255 | 17 | 332 | 984 | 2.96 | 0.31 |
| 5300458 | ATLANTA 258 | 12 | 108 | 447 | 4.15 | 0.23 |
| 5301614 | PERRY CENTER 214 | 5 | 86 | 452 | 5.26 | 0.21 |
| 5301861 | SILVER SPRINGS 261 | 12 | 160 | 497 | 3.11 | 0.18 |
| 5301466 | NAPLES 566 | 16 | 155 | 468 | 3.02 | 0.17 |
| 5302381 | WARSAW 381 | 13 | 211 | 394 | 1.86 | 0.14 |
| 5301352 | MEYER 352 | 6 | 132 | 347 | 2.64 | 0.12 |
| 5300600 | BENNETT 300 | 6 | 90 | 218 | 2.43 | 0.09 |
| 5300601 | BENNETT 301 | 3 | 93 | 98 | 1.05 | 0.08 |
| 5300817 | CANISTEO 217 | 2 | 25 | 26 | 1.02 | 0.06 |
| 5301571 | PALMITER RD 371 | 2 | 19 | 30 | 1.57 | 0.05 |
| 5300946 | COHOCTON 246 | 8 | 19 | 59 | 3.06 | 0.04 |
| 5301343 | MEYER 243 | 1 | 24 | 40 | 1.65 | 0.04 |
| 5300816 | CANISTEO 216 | 2 | 11 | 59 | 5.34 | 0.02 |
| 5300280 | WEBB CROSSING 280 | 1 | 1 | 1 | 0.95 | 0.01 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| ITHACA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4306001 | BLACKMAN HILL 746 | 4 | 110 | 237 | 2.16 | 3.79 |
| 4300701 | LOCKE 718 | 8 | 2,372 | 4,164 | 1.76 | 3.41 |
| 4305901 | ROUTE 79 746 | 5 | 342 | 604 | 1.76 | 3.17 |
| 4303501 | SENECA ORD - ITHACA | 3 | 293 | 424 | 1.45 | 3.05 |
| 4301403 | WEST DANBY 530 | 24 | 4,070 | 11,176 | 2.75 | 2.83 |
| 4300603 | MORAVIA 606 | 20 | 2,720 | 6,871 | 2.53 | 2.72 |
| 4301702 | TRUMANSBURG 747 | 21 | 4,283 | 3,647 | 0.85 | 2.63 |
| 4301502 | WEST HILL 610 | 18 | 4,310 | 3,929 | 0.91 | 2.32 |
| 4301901 | OVID 715 | 20 | 3,279 | 5,218 | 1.59 | 2.28 |
| 4305601 | SOUTHWORTH 524 | 5 | 344 | 997 | 2.90 | 2.26 |
| 4304001 | HARFORD MILLS 749 | 4 | 651 | 476 | 0.73 | 2.21 |
| 4301701 | TRUMANSBURG 723 | 6 | 1,342 | 744 | 0.55 | 2.15 |
| 4303401 | BURDETT MECK 508 | 24 | 2,432 | 2,877 | 1.18 | 2.03 |
| 4305501 | KIMBERLY 524 | 2 | 120 | 459 | 3.82 | 2.00 |
| 4304201 | HARFORD 524 | 6 | 313 | 216 | 0.69 | 1.97 |
| 4301501 | WEST HILL 609 | 10 | 933 | 1,778 | 1.91 | 1.84 |
| 4301001 | DRYDEN 734 | 18 | 1,452 | 4,214 | 2.90 | 1.82 |
| 4303701 | PERUVILLE TAP 522 | 18 | 2,118 | 2,483 | 1.17 | 1.59 |
| 4302002 | VALOIS 719 | 9 | 1,107 | 1,233 | 1.11 | 1.56 |
| 4301101 | BROOKTONDALE 531 | 26 | 2,433 | 4,803 | 1.97 | 1.45 |
| 4305301 | COUNTY HOSP - | 29 | 2,918 | 2,272 | 0.78 | 1.42 |
| 4302001 | VALOIS 508 | 8 | 1,053 | 655 | 0.62 | 1.39 |
| 4300802 | PERUVILLE 733 | 5 | 760 | 894 | 1.18 | 1.33 |
| 4300104 | CAYUGA HEIGHTS 601 | 11 | 2,686 | 1,808 | 0.67 | 1.31 |
| 4302203 | SOUTH HILL 613 | 10 | 1,919 | 2,138 | 1.11 | 1.29 |
| 4302205 | SOUTH HILL 614 | 3 | 718 | 797 | 1.11 | 1.19 |
| 4300602 | MORAVIA 746 | 5 | 582 | 591 | 1.01 | 1.19 |
| 4301801 | INTERLAKEN 705 | 20 | 1,668 | 1,689 | 1.01 | 1.17 |
| 4300101 | CAYUGA HEIGHTS 604 | 10 | 1,657 | 2,603 | 1.57 | 1.15 |
| 4303801 | DRYDEN TAP 524 | 11 | 1,655 | 6,511 | 3.93 | 1.14 |
| 4306601 | BEER TAP 534 | 4 | 247 | 551 | 2.23 | 1.13 |
| 4302102 | BURDETT 702 | 12 | 754 | 306 | 0.41 | 1.13 |
| 4301002 | DRYDEN 735 | 2 | 714 | 2,752 | 3.85 | 1.09 |
| 4300402 | CAYUGA ROCK SALT | 2 | 13 | 16 | 1.19 | 1.08 |
| 4302204 | SOUTH HILL 607 | 6 | 1,323 | 1,445 | 1.09 | 1.08 |
| 4302601 | WALPOLE RD 741 | 5 | 233 | 211 | 0.90 | 1.08 |
| 4304901 | WILSEYVILLE 751 | 6 | 506 | 1,157 | 2.29 | 1.07 |
| 4300601 | MORAVIA 704 | 6 | 748 | 666 | 0.89 | 1.06 |
| 4302206 | SOUTH HILL 608 | 2 | 595 | 632 | 1.06 | 1.02 |
| 4300502 | LUDLOWVILLE 727 | 12 | 411 | 750 | 1.83 | 0.79 |
| 4302305 | FOURTH ST 785 | 5 | 429 | 905 | 2.11 | 0.73 |
| 4303601 | SOUTH LANSING TAP | 11 | 532 | 1,259 | 2.37 | 0.63 |
| 4300303 | SOUTH LANSING 721 | 13 | 379 | 1,230 | 3.24 | 0.61 |
| 4301301 | SPENCER 712 | 22 | 665 | 2,043 | 3.07 | 0.60 |
| 4300103 | CAYUGA HEIGHTS 602 | 2 | 287 | 944 | 3.29 | 0.57 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| ITHACA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 4303101 | NORTH LANSING 522 | 17 | 514 | 1,231 | 2.40 | 0.56 |
| 4303001 | DANBY RD 571 | 12 | 450 | 1,432 | 3.18 | 0.38 |
| 4302501 | HALSEY VALLEY 530 | 2 | 173 | 458 | 2.65 | 0.36 |
| 4300105 | CAYUGA HEIGHTS 605 | 9 | 253 | 212 | 0.84 | 0.32 |
| 4302901 | BENJAMIN HILL 748 | 16 | 305 | 795 | 2.61 | 0.22 |
| 4300203 | EAST ITHACA 401 | 2 | 112 | 242 | 2.17 | 0.21 |
| 4300205 | EAST ITHACA 404 | 15 | 465 | 543 | 1.17 | 0.21 |
| 4300202 | EAST ITHACA 405 | 14 | 272 | 615 | 2.26 | 0.20 |
| 4300902 | ETNA 709 | 7 | 230 | 289 | 1.25 | 0.16 |
| 4300501 | LUDLOWVILLE 726 | 2 | 23 | 78 | 3.39 | 0.14 |
| 4302302 | FOURTH ST 782 | 2 | 133 | 310 | 2.33 | 0.14 |
| 4301601 | COUNTY HOSPITAL 736 | 11 | 99 | 406 | 4.08 | 0.13 |
| 4300302 | SOUTH LANSING 720 | 3 | 55 | 311 | 5.64 | 0.08 |
| 4300201 | EAST ITHACA 406 | 8 | 210 | 686 | 3.26 | 0.08 |
| 4306201 | CRUM TOWN 530 | 5 | 9 | 28 | 3.04 | 0.05 |
| 4302304 | FOURTH ST 784 | 3 | 36 | 25 | 0.69 | 0.05 |
| 4302301 | FOURTH ST 781 | 1 | 20 | 29 | 1.43 | 0.03 |
| 4305801 | ETNA TAP 523 | 4 | 8 | 12 | 1.45 | 0.02 |
| 4302303 | FOURTH ST 783 | 2 | 3 | 6 | 2.29 | 0.01 |
| 4302701 | VAN ETTEN 570 | 1 | 10 | 22 | 2.25 | 0.01 |
| 4301202 | CANDOR 722 | 1 | 2 | 7 | 3.48 | 0.00 |
| 4301201 | CANDOR 529 | 1 | 4 | 5 | 1.35 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| LANCASTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3102205 | BLOSSOM 517 | 17 | 11,011 | 15,097 | 1.37 | 4.81 |
| 3104201 | BENNINGTON CTR 445 | 21 | 2,154 | 5,229 | 2.43 | 4.38 |
| 3101801 | JAVA 280 | 18 | 3,277 | 5,798 | 1.77 | 3.68 |
| 3103002 | DAVIS 381 | 22 | 2,815 | 6,996 | 2.49 | 3.45 |
| 3103202 | LANGER RD 431 | 4 | 2,537 | 6,701 | 2.64 | 3.13 |
| 3100603 | SILVER CREEK 180 | 21 | 4,151 | 859 | 0.21 | 3.11 |
| 3103001 | DAVIS 380 | 20 | 2,868 | 4,823 | 1.68 | 3.09 |
| 3101802 | JAVA 281 | 17 | 2,342 | 5,047 | 2.16 | 3.04 |
| 3103203 | LANGER RD 432 | 13 | 9,017 | 24,404 | 2.71 | 2.75 |
| 3103201 | LANGER RD 430 | 5 | 4,252 | 12,790 | 3.01 | 2.47 |
| 3103702 | CEMETERY RD 490 | 16 | 6,009 | 12,732 | 2.12 | 2.43 |
| 3102401 | WALES CENTER 325 | 12 | 2,539 | 4,153 | 1.64 | 2.39 |
| 3103402 | COWLESVILLE 451 | 10 | 1,788 | 3,188 | 1.78 | 2.38 |
| 3102402 | WALES CENTER 326 | 13 | 1,802 | 3,231 | 1.79 | 2.36 |
| 3102303 | HOLLAND 520 | 23 | 2,509 | 4,628 | 1.85 | 2.31 |
| 3100809 | ERIE ST 515 | 20 | 7,854 | 6,051 | 0.77 | 2.25 |
| 3103003 | DAVIS 382 | 28 | 5,442 | 7,296 | 1.34 | 2.12 |
| 3100802 | ERIE ST 203 | 3 | 2,957 | 2,583 | 0.87 | 2.12 |
| 3103401 | COWLESVILLE 450 | 5 | 720 | 1,075 | 1.49 | 2.11 |
| 3102106 | WALDEN AVE 305 | 6 | 1,524 | 3,104 | 2.04 | 2.08 |
| 3101101 | SLOAN 229 | 5 | 3,221 | 4,751 | 1.47 | 2.08 |
| 3100602 | SILVER CREEK 179 | 10 | 2,824 | 676 | 0.24 | 2.07 |
| 3100601 | SILVER CREEK 178 | 11 | 2,285 | 590 | 0.26 | 2.04 |
| 3105001 | BIG TREE 528 | 18 | 4,407 | 4,129 | 0.94 | 2.02 |
| 3102107 | WALDEN AVE 307 | 5 | 727 | 744 | 1.02 | 1.99 |
| 3103603 | LAKE AVE 482 | 15 | 5,529 | 7,495 | 1.36 | 1.95 |
| 3103703 | CEMETERY RD 492 | 13 | 3,316 | 1,193 | 0.36 | 1.78 |
| 3105203 | ROLL RD 545 | 12 | 3,961 | 2,362 | 0.60 | 1.74 |
| 3102105 | WALDEN AVE 304 | 2 | 538 | 1,088 | 2.02 | 1.71 |
| 3104801 | NORTH BROADWAY 535 | 8 | 5,303 | 9,346 | 1.76 | 1.69 |
| 3103901 | SOUTH PARK 471 | 10 | 3,092 | 1,305 | 0.42 | 1.65 |
| 3105302 | COBBLEHILL 548 | 18 | 2,056 | 6,058 | 2.95 | 1.63 |
| 3101203 | ELLICOTT RD 237 | 2 | 609 | 366 | 0.60 | 1.59 |
| 3104202 | BENNINGTON CTR 446 | 14 | 1,662 | 2,687 | 1.62 | 1.56 |
| 3100701 | FROG VALLEY 184 | 13 | 1,039 | 1,827 | 1.76 | 1.51 |
| 3103502 | SOUTH COLDEN 456 | 2 | 340 | 1,336 | 3.93 | 1.50 |
| 3107301 | SPRINGBROOK 495 | 22 | 1,797 | 4,332 | 2.41 | 1.49 |
| 3102201 | BLOSSOM 312 | 16 | 3,595 | 5,392 | 1.50 | 1.43 |
| 3104005 | LOSSON RD 405 | 5 | 1,020 | 1,012 | 0.99 | 1.42 |
| 3102302 | HOLLAND 321 | 9 | 1,608 | 3,241 | 2.01 | 1.37 |
| 3102606 | EAST AURORA 346 | 12 | 1,297 | 1,359 | 1.05 | 1.36 |
| 3103107 | DICK RD 396 | 8 | 2,128 | 2,988 | 1.40 | 1.33 |
| 3105002 | BIG TREE 523 | 8 | 929 | 3,999 | 4.30 | 1.30 |
| 3105201 | ROLL RD 512 | 13 | 3,784 | 985 | 0.26 | 1.30 |
| 3104001 | LOSSON RD 404 | 9 | 2,737 | 3,551 | 1.30 | 1.28 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| LANCASTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3103101 | DICK RD 390 | 10 | 713 | 1,554 | 2.18 | 1.27 |
| 3101902 | ORCHARD PARK 286 | 12 | 1,178 | 1,821 | 1.55 | 1.27 |
| 3100104 | LEGION DR 510 | 6 | 230 | 793 | 3.45 | 1.26 |
| 3100702 | FROG VALLEY 185 | 8 | 372 | 516 | 1.39 | 1.26 |
| 3103902 | SOUTH PARK 472 | 20 | 1,768 | 8,503 | 4.81 | 1.25 |
| 3102901 | ARMOR 371 | 7 | 2,712 | 1,382 | 0.51 | 1.25 |
| 3104101 | STOLLE RD 551 | 15 | 1,728 | 9,194 | 5.32 | 1.23 |
| 3103004 | DAVIS 531 | 15 | 2,518 | 2,412 | 0.96 | 1.21 |
| 3102503 | WEHRLE DR 335 | 3 | 418 | 233 | 0.56 | 1.20 |
| 3104003 | LOSSON RD 403 | 14 | 3,709 | 4,981 | 1.34 | 1.18 |
| 3103701 | CEMETERY RD 491 | 3 | 825 | 2,176 | 2.64 | 1.17 |
| 3103207 | LANGER RD 436 | 6 | 271 | 1,230 | 4.54 | 1.15 |
| 3103105 | DICK RD 537 | 17 | 2,936 | 4,151 | 1.41 | 1.13 |
| 3103303 | WENDE RD 442 | 11 | 1,567 | 415 | 0.26 | 1.13 |
| 3100201 | DAYTON 160 | 10 | 484 | 895 | 1.85 | 1.12 |
| 3101903 | ORCHARD PARK 287 | 2 | 774 | 1,172 | 1.51 | 1.11 |
| 3105202 | ROLL RD 529 | 16 | 4,051 | 3,276 | 0.81 | 1.10 |
| 3103204 | LANGER RD 433 | 8 | 1,993 | 9,467 | 4.75 | 1.07 |
| 3103205 | LANGER RD 434 | 3 | 500 | 2,367 | 4.73 | 1.02 |
| 3102104 | WALDEN AVE 303 | 1 | 393 | 557 | 1.42 | 1.02 |
| 3105003 | BIG TREE 539 | 1 | 791 | 778 | 0.98 | 1.02 |
| 3100806 | ERIE ST 207 | 1 | 288 | 4,510 | 15.66 | 1.01 |
| 3103804 | TYLER ST 463 | 4 | 741 | 967 | 1.30 | 1.01 |
| 3102103 | WALDEN AVE 302 | 9 | 310 | 818 | 2.64 | 1.00 |
| 3104802 | NORTH BROADWAY 544 | 1 | 19 | 2 | 0.08 | 1.00 |
| 3101603 | ALDEN 264 | 16 | 1,013 | 1,114 | 1.10 | 0.94 |
| 3102002 | HAMBURG 293 | 5 | 771 | 689 | 0.89 | 0.67 |
| 3103605 | LAKE AVE 484 | 4 | 850 | 1,573 | 1.85 | 0.65 |
| 3100804 | ERIE ST 205 | 7 | 1,182 | 2,318 | 1.96 | 0.62 |
| 3100501 | RANDOLPH 174 | 5 | 364 | 750 | 2.06 | 0.59 |
| 3105301 | COBBLEHILL 530 | 37 | 1,255 | 3,125 | 2.49 | 0.55 |
| 3102202 | BLOSSOM 313 | 10 | 867 | 2,920 | 3.37 | 0.54 |
| 3100102 | LEGION DR 153 | 6 | 349 | 620 | 1.77 | 0.53 |
| 3100401 | NEW ALBION 168 | 9 | 181 | 587 | 3.25 | 0.49 |
| 3102502 | WEHRLE DR 331 | 9 | 522 | 569 | 1.09 | 0.49 |
| 3101103 | SLOAN 231 | 4 | 971 | 741 | 0.76 | 0.48 |
| 3103801 | TYLER ST 460 | 7 | 485 | 549 | 1.13 | 0.39 |
| 3100901 | GIRDLE RD 554 | 7 | 398 | 795 | 2.00 | 0.37 |
| 3102902 | ARMOR 372 | 10 | 723 | 970 | 1.34 | 0.37 |
| 3102301 | HOLLAND 320 | 16 | 375 | 1,383 | 3.69 | 0.36 |
| 3101001 | INDIAN CHURCH RD 223 | 2 | 378 | 741 | 1.96 | 0.35 |
| 3103501 | SOUTH COLDEN 455 | 9 | 160 | 345 | 2.16 | 0.34 |
| 3102003 | HAMBURG 294 | 6 | 249 | 379 | 1.52 | 0.28 |
| 3101601 | ALDEN 262 | 4 | 148 | 321 | 2.17 | 0.27 |
| 3103103 | DICK RD 392 | 5 | 487 | 603 | 1.24 | 0.27 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| LANCASTER | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3104902 | NEW GARDENVILLE 536 | 7 | 284 | 247 | 0.87 | 0.27 |
| 3103302 | WENDE RD 441 | 3 | 104 | 294 | 2.83 | 0.25 |
| 3102505 | WEHRLE DR 334 | 8 | 211 | 460 | 2.18 | 0.23 |
| 3100502 | RANDOLPH 175 | 6 | 136 | 423 | 3.11 | 0.22 |
| 3100301 | ELLINGTON 164 | 20 | 155 | 367 | 2.36 | 0.22 |
| 3100801 | ERIE ST 202 | 6 | 237 | 525 | 2.22 | 0.22 |
| 3102903 | ARMOR 373 | 9 | 524 | 2,377 | 4.54 | 0.21 |
| 3102506 | WEHRLE DR 332 | 7 | 186 | 645 | 3.47 | 0.21 |
| 3104004 | LOSSON RD 402 | 14 | 670 | 996 | 1.49 | 0.17 |
| 3102802 | EBENEZER 361 | 7 | 195 | 204 | 1.04 | 0.13 |
| 3102701 | CHERRY CREEK 501 | 4 | 43 | 142 | 3.30 | 0.10 |
| 3100103 | LEGION DR 154 | 7 | 125 | 184 | 1.48 | 0.10 |
| 3102602 | EAST AURORA 342 | 5 | 108 | 152 | 1.41 | 0.10 |
| 3102004 | HAMBURG 295 | 1 | 31 | 31 | 1.00 | 0.10 |
| 3103803 | TYLER ST 462 | 8 | 104 | 199 | 1.91 | 0.09 |
| 3101702 | REIN RD 272 | 3 | 60 | 98 | 1.64 | 0.06 |
| 3101703 | REIN RD 270 | 2 | 3 | 3 | 1.14 | 0.06 |
| 3102001 | HAMBURG 292 | 7 | 82 | 84 | 1.02 | 0.06 |
| 3102605 | EAST AURORA 345 | 3 | 69 | 200 | 2.90 | 0.05 |
| 3104002 | LOSSON RD 401 | 4 | 51 | 98 | 1.92 | 0.05 |
| 3101004 | INDIAN CHURCH RD 226 | 1 | 10 | 9 | 0.88 | 0.04 |
| 3101602 | ALDEN 263 | 4 | 48 | 96 | 2.01 | 0.03 |
| 3100302 | ELLINGTON 165 | 3 | 6 | 11 | 1.79 | 0.03 |
| 3103104 | DICK RD 393 | 6 | 50 | 83 | 1.68 | 0.03 |
| 3101204 | ELLICOTT RD 238 | 1 | 4 | 5 | 1.37 | 0.03 |
| 3102102 | WALDEN AVE 301 | 6 | 59 | 81 | 1.35 | 0.03 |
| 3101701 | REIN RD 271 | 1 | 3 | 4 | 1.30 | 0.03 |
| 3102801 | EBENEZER 360 | 1 | 28 | 14 | 0.50 | 0.03 |
| 3102604 | EAST AURORA 340 | 1 | 11 | 38 | 3.43 | 0.02 |
| 3101901 | ORCHARD PARK 285 | 2 | 14 | 14 | 1.00 | 0.02 |
| 3103802 | TYLER ST 461 | 2 | 20 | 15 | 0.77 | 0.02 |
| 3102603 | EAST AURORA 343 | 4 | 14 | 26 | 1.84 | 0.01 |
| 3101102 | SLOAN 230 | 1 | 15 | 18 | 1.23 | 0.01 |
| 3100807 | ERIE ST 208 | 3 | 11 | 9 | 0.83 | 0.01 |
| 3102101 | WALDEN AVE 300 | 1 | 1 | 0 | 0.27 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| LIBERTY | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2403885 | CALLICOON 285 | 67 | 11,770 | 34,750 | 2.95 | 7.21 |
| 2407716 | ROCK VALLEY 216 | 11 | 687 | 3,727 | 5.42 | 5.20 |
| 2401514 | HAZEL 353 | 21 | 1,801 | 6,850 | 3.80 | 4.76 |
| 2404401 | FREMONT-ACIDALIA | 17 | 831 | 3,217 | 3.87 | 3.83 |
| 2407617 | FRENCH WOODS 217 | 9 | 642 | 2,900 | 4.52 | 3.45 |
| 2400435 | COCHECTON CENTER | 18 | 731 | 2,007 | 2.75 | 3.16 |
| 2401589 | HAZEL 189 | 11 | 1,833 | 2,967 | 1.62 | 3.02 |
| 2403252 | WHITE LAKE 290 | 42 | 2,341 | 5,509 | 2.35 | 2.95 |
| 2401275 | FOSTERDALE 107 | 15 | 1,496 | 5,578 | 3.73 | 2.73 |
| 2403659 | WALDEN 359 | 64 | 8,199 | 16,119 | 1.97 | 2.48 |
| 2403658 | WALDEN 358 | 44 | 3,290 | 6,803 | 2.07 | 2.33 |
| 2403736 | MOUNTAINDALE 106 | 24 | 1,476 | 4,892 | 3.32 | 2.31 |
| 2403607 | WALDEN 707 | 10 | 2,046 | 5,131 | 2.51 | 2.28 |
| 2402583 | OLD FALLS 283 | 30 | 2,751 | 4,602 | 1.67 | 1.99 |
| 2401971 | LIVINGSTON MANOR | 7 | 627 | 1,035 | 1.65 | 1.97 |
| 2402229 | MAPLEWOOD 229 | 11 | 3,386 | 6,417 | 1.89 | 1.94 |
| 2402182 | LUXTON LAKE 182 | 24 | 1,678 | 2,938 | 1.75 | 1.79 |
| 2402787 | ROSCOE 287 | 24 | 2,323 | 6,137 | 2.64 | 1.77 |
| 2401311 | GROSSINGER 211 | 28 | 2,000 | 6,818 | 3.41 | 1.76 |
| 2401611 | JEFFERSONVILLE 111 | 46 | 1,599 | 4,912 | 3.07 | 1.75 |
| 2401610 | JEFFERSONVILLE 110 | 43 | 2,744 | 3,193 | 1.16 | 1.58 |
| 2402625 | ROCK HILL 125 | 29 | 2,342 | 9,805 | 4.19 | 1.37 |
| 2404201 | WHITE SULPHER | 7 | 747 | 1,069 | 1.43 | 1.37 |
| 2401276 | FOSTERDALE 108 | 9 | 483 | 3,070 | 6.36 | 1.33 |
| 2401612 | JEFFERSONVILLE 112 | 25 | 839 | 1,918 | 2.28 | 1.25 |
| 2403734 | MOUNTAINDALE 107 | 11 | 2,108 | 8,406 | 3.99 | 1.21 |
| 2402588 | OLD FALLS 288 | 15 | 1,736 | 5,458 | 3.14 | 1.21 |
| 2404301 | SHORTCUT RD 349 | 3 | 97 | 465 | 4.80 | 1.20 |
| 2403251 | WHITE LAKE 151 | 45 | 2,877 | 5,877 | 2.04 | 1.19 |
| 2401761 | KIAMESHA 261 | 4 | 314 | 999 | 3.18 | 0.82 |
| 2402821 | SACKETT LAKE 121 | 5 | 240 | 396 | 1.65 | 0.76 |
| 2403999 | HILLDALE 225 | 16 | 1,209 | 3,277 | 2.71 | 0.64 |
| 2403195 | SWAN LAKE 157 | 6 | 361 | 1,055 | 2.92 | 0.62 |
| 2400202 | SHIELDS RD 002 | 4 | 170 | 285 | 1.67 | 0.57 |
| 2402480 | NEVERSINK 080 | 8 | 546 | 1,504 | 2.75 | 0.56 |
| 2402227 | MAPLEWOOD 127 | 9 | 263 | 1,111 | 4.22 | 0.52 |
| 2402584 | OLD FALLS 284 | 7 | 325 | 1,228 | 3.78 | 0.51 |
| 2403404 | YULAN 204 | 31 | 937 | 2,510 | 2.68 | 0.50 |
| 2401197 | CONCORD 197 | 6 | 215 | 1,128 | 5.25 | 0.45 |
| 2401763 | KIAMESHA 263 | 3 | 232 | 387 | 1.67 | 0.40 |
| 2401310 | GROSSINGER 210 | 10 | 427 | 1,396 | 3.27 | 0.39 |
| 2401842 | LIBERTY 142 | 7 | 256 | 1,215 | 4.75 | 0.37 |
| 2401196 | CONCORD 196 | 2 | 57 | 181 | 3.18 | 0.31 |
| 2402323 | MONTICELLO 138 | 5 | 175 | 240 | 1.37 | 0.29 |
| 2402322 | MONTICELLO 137 | 11 | 185 | 611 | 3.31 | 0.28 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| LIBERTY | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2401011 | BEAVER BROOK 011 | 2 | 55 | 57 | 1.04 | 0.27 |
| 2404030 | WILLOWEMOC 030 | 6 | 90 | 407 | 4.54 | 0.23 |
| 2401198 | CONCORD 098 | 3 | 4 | 15 | 3.69 | 0.20 |
| 2401970 | LIVINGSTON MANOR | 15 | 190 | 1,034 | 5.43 | 0.17 |
| 2403605 | WALDEN 705 | 9 | 271 | 584 | 2.15 | 0.12 |
| 2402820 | SACKETT LAKE 020 | 9 | 71 | 187 | 2.64 | 0.09 |
| 2403194 | SWAN LAKE 158 | 7 | 51 | 177 | 3.49 | 0.07 |
| 2402321 | MONTICELLO 136 | 3 | 65 | 177 | 2.73 | 0.07 |
| 2401760 | KIAMESHA 260 | 2 | 8 | 17 | 2.18 | 0.06 |
| 2401844 | LIBERTY 144 | 3 | 3 | 15 | 4.88 | 0.00 |
| 2402324 | MONTICELLO 139 | 1 | 1 | 1 | 0.52 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| LOCKPORT | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 3201702 | SOUTH NIAGARA ST | 3 | 404 | 499 | 1.23 | 1.34 |
| 3201701 | SOUTH NIAGARA ST | 1 | 777 | 2,875 | 3.70 | 0.99 |
| 3200101 | VINE ST 101 | 1 | 411 | 877 | 2.13 | 0.80 |
| 3200601 | CHESTNUT RIDGE 191 | 7 | 375 | 630 | 1.68 | 0.46 |
| 3200602 | CHESTNUT RIDGE 190 | 2 | 201 | 434 | 2.16 | 0.25 |
| 3200501 | LOCUST ST 152 | 5 | 478 | 1,356 | 2.84 | 0.22 |
| 3200504 | LOCUST ST 150 | 9 | 387 | 539 | 1.39 | 0.13 |
| 3200505 | LOCUST ST 151 | 6 | 132 | 167 | 1.26 | 0.11 |
| 3200503 | LOCUST ST 154 | 3 | 11 | 7 | 0.65 | 0.04 |
| 3200102 | VINE ST 102 | 1 | 13 | 11 | 0.87 | 0.01 |
| 3200502 | LOCUST ST 153 | 3 | 4 | 10 | 2.32 | 0.00 |
| 3200204 | TRANSIT 111 | 1 | 2 | 2 | 1.03 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| MECHANICVILLE | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1204001 | CRARYVILLE 400 | 85 | 5,063 | 9,569 | 1.89 | 2.95 |
| 1208901 | SLATEVILLE 620 | 7 | 664 | 855 | 1.29 | 2.95 |
| 1203902 | CROOKED LAKE 613 | 25 | 2,702 | 10,145 | 3.75 | 2.92 |
| 1201401 | GRANVILLE-SALEM TAP | 34 | 2,322 | 4,509 | 1.94 | 2.52 |
| 1205901 | RAYLINSKI TAP 606 | 23 | 9,304 | 16,301 | 1.75 | 2.39 |
| 1209556 | WESTMASS-TERRACE | 3 | 9 | 30 | 3.32 | 2.25 |
| 1204201 | WEST SAND LAKE TAP | 8 | 1,127 | 3,607 | 3.20 | 1.80 |
| 1201501 | FLIKE RD TAP 605 | 3 | 550 | 2,024 | 3.68 | 1.71 |
| 1201301 | COMSTOCK- | 25 | 2,265 | 7,905 | 3.49 | 1.69 |
| 1203207 | STEPHENTOWN 622 | 34 | 3,104 | 8,259 | 2.66 | 1.64 |
| 1205402 | KLINE KILL 630 | 36 | 3,684 | 10,488 | 2.85 | 1.58 |
| 1201101 | GRANVILLE 301 | 4 | 510 | 361 | 0.71 | 1.39 |
| 1203606 | CHATHAM 156 | 5 | 270 | 288 | 1.07 | 1.34 |
| 1203702 | WEST SAND LAKE 161 | 8 | 1,567 | 5,845 | 3.73 | 1.24 |
| 1201102 | GRANVILLE 302 | 11 | 998 | 886 | 0.89 | 1.24 |
| 1204003 | CRARYVILLE 611 | 31 | 782 | 1,520 | 1.95 | 1.23 |
| 1203901 | CROOKED LAKE 170 | 20 | 1,630 | 6,737 | 4.13 | 1.16 |
| 1205403 | KLINE KILL 631 | 41 | 1,785 | 4,701 | 2.63 | 0.99 |
| 1204004 | CRARYVILLE 610 | 79 | 1,826 | 4,422 | 2.42 | 0.88 |
| 1203501 | MELLONVILLE 150 | 4 | 404 | 802 | 1.99 | 0.75 |
| 1203401 | CANAAN 145 | 22 | 586 | 996 | 1.70 | 0.68 |
| 1203806 | WEST LEBANON 166 | 13 | 396 | 931 | 2.35 | 0.64 |
| 1203502 | MELLONVILLE 151 | 6 | 693 | 1,467 | 2.12 | 0.64 |
| 1202110 | COONS CROSSING 607 | 15 | 1,464 | 2,440 | 1.67 | 0.51 |
| 1203206 | STEPHENTOWN 136 | 13 | 485 | 1,132 | 2.33 | 0.47 |
| 1201801 | TIPLADY RD TAP 628 | 3 | 59 | 237 | 4.01 | 0.45 |
| 1203102 | RUTLAND 131 | 15 | 271 | 686 | 2.53 | 0.45 |
| 1201201 | SALEM 175 | 9 | 237 | 544 | 2.30 | 0.43 |
| 1206002 | MULBERRY 602 | 14 | 905 | 964 | 1.06 | 0.42 |
| 1201701 | SALEM TAP 627 | 18 | 553 | 2,362 | 4.27 | 0.40 |
| 1202215 | STILLWATER 215 | 6 | 416 | 491 | 1.18 | 0.40 |
| 1202112 | COONS CROSSING 601 | 2 | 86 | 382 | 4.44 | 0.26 |
| 1203805 | WEST LEBANON 165 | 9 | 195 | 469 | 2.40 | 0.19 |
| 1203101 | RUTLAND 130 | 5 | 83 | 261 | 3.15 | 0.18 |
| 1202312 | MECHANICVILLE 412 | 9 | 325 | 750 | 2.31 | 0.18 |
| 1201601 | VANESS RD TAP 604 | 3 | 87 | 235 | 2.71 | 0.13 |
| 1202310 | MECHANICVILLE 410 | 7 | 245 | 468 | 1.91 | 0.11 |
| 1201202 | SALEM 176 | 8 | 39 | 128 | 3.29 | 0.10 |
| 1203302 | WYNANTSKILL 141 | 4 | 78 | 150 | 1.92 | 0.08 |
| 1203605 | CHATHAM 155 | 6 | 67 | 109 | 1.62 | 0.08 |
| 1204101 | WYNANTSKILL TAP 416 | 6 | 15 | 44 | 2.93 | 0.02 |
| 1203301 | WYNANTSKILL 140 | 5 | 24 | 60 | 2.55 | 0.02 |
| 1202111 | COONS CROSSING 211 | 1 | 2 | 0 | 0.22 | 0.01 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| ONEONTA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2308312 | FINCH HOLLOW 012 | 14 | 1,734 | 3,382 | 1.95 | 3.86 |
| 2300512 | OTEGO 012 | 18 | 1,604 | 6,842 | 4.26 | 2.74 |
| 2307010 | AXTELL RD 510 | 16 | 2,732 | 9,821 | 3.59 | 2.72 |
| 2304122 | NEW BERLIN 022 | 13 | 1,491 | 3,481 | 2.33 | 2.71 |
| 2305516 | EAST NORWICH 516 | 25 | 4,528 | 13,332 | 2.94 | 2.53 |
| 2305065 | MORRISVILLE 265 | 12 | 1,394 | 5,573 | 4.00 | 2.28 |
| 2303345 | AFTON-ONEONTA 245 | 7 | 294 | 544 | 1.85 | 2.28 |
| 2307716 | HANCOCK 216 | 66 | 3,473 | 17,876 | 5.15 | 2.24 |
| 2301358 | MILFORD 258 | 18 | 2,475 | 6,797 | 2.75 | 2.18 |
| 2304312 | OXFORD 012 | 24 | 2,029 | 5,926 | 2.92 | 2.00 |
| 2307309 | DEPOSIT 109 | 25 | 2,751 | 4,870 | 1.77 | 1.95 |
| 2301212 | GILBERTSVILLE 012 | 16 | 1,250 | 1,716 | 1.37 | 1.87 |
| 2303912 | SOUTH EDMESTON 012 | 6 | 701 | 2,251 | 3.21 | 1.85 |
| 2300520 | OTEGO 200 | 30 | 2,047 | 9,033 | 4.41 | 1.81 |
| 2304727 | EARLVILLE 227 | 9 | 1,703 | 8,535 | 5.01 | 1.61 |
| 2306435 | ANDES 235 | 42 | 2,706 | 2,621 | 0.97 | 1.60 |
| 2307412 | DOWNSVILLE 012 | 23 | 1,854 | 3,656 | 1.97 | 1.57 |
| 2301614 | MORRIS 214 | 17 | 1,004 | 1,595 | 1.59 | 1.54 |
| 2304942 | EDMESTON 220 | 12 | 1,234 | 2,190 | 1.77 | 1.53 |
| 2301970 | SPRINGFIELD CENTER | 12 | 1,495 | 5,487 | 3.67 | 1.47 |
| 2307310 | DEPOSIT 110 | 8 | 747 | 1,398 | 1.87 | 1.46 |
| 2306961 | WEST WINFIELD 261 | 16 | 1,816 | 1,672 | 0.92 | 1.43 |
| 2300303 | PIERCE AVE 203 | 6 | 1,054 | 608 | 0.58 | 1.32 |
| 2304112 | NEW BERLIN 012 | 8 | 1,031 | 1,400 | 1.36 | 1.29 |
| 2307390 | DEPOSIT 290 | 19 | 1,385 | 1,212 | 0.87 | 1.27 |
| 2305515 | EAST NORWICH 515 | 38 | 3,544 | 3,598 | 1.02 | 1.24 |
| 2305212 | WATERVILLE 012 | 8 | 941 | 1,048 | 1.11 | 1.19 |
| 2304726 | EARLVILLE 226 | 19 | 960 | 4,756 | 4.95 | 1.18 |
| 2304612 | BRIDGEWATER 012 | 8 | 746 | 842 | 1.13 | 1.17 |
| 2305222 | WATERVILLE 022 | 5 | 435 | 451 | 1.03 | 1.13 |
| 2305066 | MORRISVILLE 266 | 11 | 919 | 5,186 | 5.64 | 1.10 |
| 2305312 | WOODS CORNERS 012 | 13 | 823 | 2,812 | 3.42 | 1.08 |
| 2301612 | MORRIS 012 | 4 | 548 | 455 | 0.83 | 1.07 |
| 2300142 | SAND ST 042 | 2 | 867 | 5,508 | 6.35 | 1.04 |
| 2301327 | MILFORD 227 | 20 | 1,156 | 3,190 | 2.76 | 1.01 |
| 2301712 | WEST ST 012 | 1 | 155 | 96 | 0.62 | 1.01 |
| 2308417 | SANDS CREEK 217 | 1 | 98 | 207 | 2.12 | 0.98 |
| 2305112 | NORTH NORWICH 012 | 8 | 366 | 1,318 | 3.60 | 0.83 |
| 2307011 | AXTELL RD 511 | 29 | 1,013 | 1,681 | 1.66 | 0.81 |
| 2306218 | BELL AYRE 218 | 5 | 314 | 471 | 1.50 | 0.81 |
| 2304322 | OXFORD 022 | 18 | 686 | 1,724 | 2.51 | 0.76 |
| 2306960 | WEST WINFIELD 260 | 16 | 1,013 | 1,764 | 1.74 | 0.76 |
| 2303012 | GUILDFORD CENTER | 15 | 607 | 2,698 | 4.45 | 0.71 |
| 2307211 | DELHI 211 | 17 | 654 | 1,516 | 2.32 | 0.71 |
| 2308240 | WINDHAM 240 | 38 | 951 | 2,557 | 2.69 | 0.67 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| ONEONTA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2304725 | EARLVILLE 225 | 20 | 425 | 1,823 | 4.29 | 0.65 |
| 2307912 | SHANDAKEN 012 | 18 | 385 | 636 | 1.65 | 0.63 |
| 2307901 | SHANDAKEN 501 | 30 | 1,115 | 3,953 | 3.54 | 0.59 |
| 2307210 | DELHI 210 | 16 | 723 | 3,598 | 4.97 | 0.58 |
| 2304232 | ORISKANY FALLS 142 | 14 | 560 | 1,213 | 2.17 | 0.56 |
| 2307645 | GRAND GORGE 245 | 43 | 769 | 2,855 | 3.71 | 0.55 |
| 2302704 | BROTHERTOWNE 504 | 11 | 332 | 1,093 | 3.30 | 0.54 |
| 2307646 | GRAND GORGE 246 | 22 | 532 | 1,446 | 2.72 | 0.54 |
| 2302112 | WEST DAVENPORT 012 | 10 | 546 | 2,014 | 3.69 | 0.53 |
| 2300922 | UNADILLA 022 | 21 | 590 | 2,020 | 3.43 | 0.51 |
| 2307715 | HANCOCK 215 | 2 | 53 | 94 | 1.76 | 0.46 |
| 2308104 | RIVER RD 104 | 11 | 485 | 1,234 | 2.55 | 0.44 |
| 2304401 | WILLET-ONEONTA 423 | 1 | 43 | 161 | 3.73 | 0.42 |
| 2308105 | RIVER RD 105 | 13 | 433 | 1,124 | 2.59 | 0.42 |
| 2300304 | PIERCE AVE 204 | 15 | 166 | 386 | 2.32 | 0.30 |
| 2302075 | SOUTH | 11 | 300 | 1,451 | 4.83 | 0.29 |
| 2304512 | BOUCKVILLE 012 | 8 | 284 | 1,217 | 4.28 | 0.29 |
| 2308239 | WINDHAM 239 | 25 | 465 | 1,327 | 2.86 | 0.28 |
| 2300712 | BAINBRIDGE 012 | 11 | 286 | 636 | 2.22 | 0.27 |
| 2304812 | EATON 012 | 7 | 185 | 369 | 1.99 | 0.26 |
| 2308102 | RIVER RD 102 | 7 | 240 | 709 | 2.95 | 0.22 |
| 2306330 | ARKVILLE 230 | 20 | 639 | 860 | 1.35 | 0.22 |
| 2301412 | MOUNT UPTON 012 | 12 | 138 | 418 | 3.03 | 0.20 |
| 2300522 | OTEGO 022 | 11 | 172 | 1,121 | 6.52 | 0.16 |
| 2306212 | BELL AYRE 212 | 16 | 183 | 718 | 3.93 | 0.16 |
| 2300612 | COLLIERS 012 | 7 | 175 | 792 | 4.53 | 0.15 |
| 2305412 | SOUTH NEW BERLIN | 12 | 81 | 314 | 3.88 | 0.14 |
| 2301812 | RICHFIELD SPRINGS | 19 | 222 | 507 | 2.29 | 0.14 |
| 2301123 | JORDANVILLE 023 | 9 | 32 | 92 | 2.88 | 0.13 |
| 2300912 | UNADILLA 012 | 10 | 147 | 306 | 2.08 | 0.12 |
| 2300821 | COOPERSTOWN 121 | 9 | 94 | 233 | 2.48 | 0.11 |
| 2307032 | AXTELL RD 032 | 8 | 90 | 266 | 2.95 | 0.10 |
| 2301012 | SIDNEY-RAILROAD 012 | 14 | 133 | 479 | 3.62 | 0.09 |
| 2307647 | GRAND GORGE 247 | 5 | 78 | 152 | 1.94 | 0.09 |
| 2304072 | BIRDSALL 072 | 2 | 62 | 56 | 0.89 | 0.09 |
| 2300722 | BAINBRIDGE 022 | 4 | 48 | 224 | 4.68 | 0.08 |
| 2301822 | RICHFIELD SPRINGS | 2 | 35 | 84 | 2.40 | 0.08 |
| 2301032 | SIDNEY-RAILROAD 032 | 6 | 95 | 155 | 1.62 | 0.07 |
| 2300823 | COOPERSTOWN 123 | 7 | 43 | 125 | 2.92 | 0.06 |
| 2304222 | ORISKANY FALLS 141 | 4 | 24 | 52 | 2.16 | 0.04 |
| 2302124 | WEST DAVENPORT 022 | 1 | 19 | 16 | 0.83 | 0.04 |
| 2308238 | WINDHAM 238 | 1 | 3 | 10 | 3.17 | 0.03 |
| 2300222 | HENRY ST 151 | 1 | 21 | 50 | 2.37 | 0.03 |
| 2300152 | SAND ST 052 | 3 | 30 | 68 | 2.25 | 0.03 |
| 2307712 | HANCOCK 012 | 2 | 19 | 40 | 2.09 | 0.03 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| ONEONTA | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 2301512 | EMMONS 012 | 4 | 6 | 12 | 2.07 | 0.03 |
| 2300122 | SAND ST 022 | 2 | 15 | 131 | 8.77 | 0.02 |
| 2308241 | WINDHAM 241 | 1 | 10 | 23 | 2.33 | 0.02 |
| 2300332 | PIERCE AVE 032 | 4 | 4 | 14 | 3.51 | 0.01 |
| 2300312 | PIERCE AVE 012 | 2 | 2 | 4 | 2.17 | 0.01 |
| 2307212 | DELHI 012 | 2 | 6 | 8 | 1.36 | 0.01 |
| 2304022 | BIRDSALL 022 | 1 | 1 | 2 | 1.72 | 0.00 |

**NEW YORK STATE ELECTRIC AND GAS CORPORATION**
**CAIDI/SAIFI Circuit Report - Descending SAIFI Order**
**January 1, 2010 to December 31, 2010**

| PLATTSBURGH | | | | | | |
|---|---|---|---|---|---|---|
| Circuit | Circuit Description | Interruptions | Customers Affected | Customer Hours Interrupted | CAIDI | SAIFI |
| 1503301 | STEAMBOAT LANDING | 2 | 32 | 142 | 4.44 | 8.00 |
| 1503401 | HARRIS LAKE 424 | 9 | 2,858 | 4,244 | 1.48 | 4.54 |
| 1501601 | BLUE MTN LAKE 504 | 26 | 4,663 | 8,721 | 1.87 | 3.73 |
| 1503101 | NORTON 420 | 50 | 3,658 | 4,237 | 1.16 | 3.38 |
| 1500114 | CHATEAUGAY 514 | 44 | 6,875 | 11,814 | 1.72 | 3.35 |
| 1500517 | SCIOTA-FLATROCK 517 | 51 | 7,276 | 8,386 | 1.15 | 2.37 |
| 1503047 | KEESESVILLE 447 | 50 | 4,370 | 7,482 | 1.71 | 2.26 |
| 1500901 | LYON MTN 510 | 32 | 3,023 | 6,405 | 2.12 | 2.21 |
| 1503901 | MASON CORNERS 450 | 14 | 2,584 | 3,549 | 1.37 | 1.91 |
| 1503702 | BARTON BROOK 404 | 16 | 1,306 | 2,475 | 1.89 | 1.84 |
| 1503701 | BARTON BROOK 403 | 20 | 1,512 | 2,127 | 1.41 | 1.76 |
| 1500113 | CHATEAUGAY 513 | 21 | 1,465 | 2,805 | 1.91 | 1.57 |
| 1502601 | JAY 502 | 14 | 558 | 1,350 | 2.42 | 1.51 |
| 1501501 | WOODRUFF POND 460 | 19 | 1,376 | 2,311 | 1.68 | 1.48 |
| 1501502 | WOODRUFF POND 461 | 13 | 1,368 | 2,445 | 1.79 | 1.37 |
| 1501137 | BANKER RD 437 | 18 | 1,979 | 1,686 | 0.85 | 1.37 |
| 1502602 | JAY 411 | 36 | 1,930 | 6,042 | 3.13 | 1.26 |
| 1501801 | CABOT MINE 413 | 16 | 1,601 | 2,867 | 1.79 | 1.26 |
| 1501138 | BANKER RD 438 | 19 | 1,464 | 1,027 | 0.70 | 1.12 |
| 1503002 | KEESESVILLE 153 | 1 | 520 | 2,037 | 3.92 | 1.00 |
| 1500817 | HYDE 417 | 14 | 682 | 1,737 | 2.54 | 0.81 |
| 1503202 | PERU 427 | 20 | 963 | 1,165 | 1.21 | 0.80 |
| 1501001 | WEST CHAZY 136 | 19 | 829 | 1,464 | 1.77 | 0.74 |
| 1502574 | HIGH FALLS 474 | 16 | 857 | 1,889 | 2.20 | 0.69 |
| 1501767 | SOUTH JUNCTION 467 | 20 | 1,158 | 1,642 | 1.42 | 0.68 |
| 1501802 | CABOT MINE 414 | 25 | 595 | 1,499 | 2.52 | 0.65 |
| 1502244 | DANNEMORA 444 | 8 | 809 | 2,034 | 2.51 | 0.59 |
| 1502701 | STICKNEY BRIDGE 210 | 9 | 252 | 370 | 1.46 | 0.46 |
| 1503201 | PERU 426 | 15 | 537 | 946 | 1.76 | 0.45 |
| 1502101 | CLINTONVILLE 456 | 6 | 118 | 241 | 2.05 | 0.40 |
| 1504507 | ARIZONA AVE 407 | 6 | 10 | 18 | 1.82 | 0.23 |
| 1501371 | LIMESTONE 471 | 4 | 56 | 82 | 1.46 | 0.23 |
| 1501901 | MILL C 125 | 3 | 196 | 324 | 1.65 | 0.20 |
| 1501401 | BEEKMANTOWN 133 | 11 | 172 | 187 | 1.09 | 0.18 |
| 1503902 | MASON CORNERS 451 | 9 | 74 | 214 | 2.90 | 0.09 |
| 1502030 | HAMMOND LANE 430 | 4 | 85 | 75 | 0.88 | 0.09 |
| 1504508 | ARIZONA AVE 408 | 2 | 4 | 4 | 0.94 | 0.06 |
| 1501766 | SOUTH JUNCTION 466 | 2 | 38 | 141 | 3.69 | 0.05 |
| 1501370 | LIMESTONE 470 | 2 | 31 | 50 | 1.63 | 0.03 |
| 1502032 | HAMMOND LANE 432 | 1 | 3 | 3 | 0.87 | 0.02 |
| 1502031 | HAMMOND LANE 431 | 1 | 1 | 3 | 2.88 | 0.00 |

## Provide an analysis of the worst-performing circuits. The analysis must cover a minimum of 5% of the circuits and include a description of the methodology used to identify worst-performing circuits –

Part of NYSEG's efforts to maintain a highly reliable electric distribution system is the Worst Performing Circuit Analysis. This program consists of a yearly evaluation of all of the distribution circuits and then the development of reliability plans by the operating Divisions to address key circuits that will best benefit from additional analysis and/or corrective work in the field.

Circuit Analysis Process

- During the fourth quarter of the year, each circuit is evaluated by its reliability performance over the previous three years. This three-year period starts on the previous June 30 and goes back to July 1 three years earlier (the 2010 time period is from July 1, 2007 to June 30, 2010).
- The number of interruptions, customers interrupted (affected), and the customer hours of interruption are recorded for each year. These values are then weighted based on the following: 60% for the most recent year, 30% for the previous year, and the final 10% to the remaining year.
- All of the circuits are then sorted highest to lowest based on these three factors, i.e., the circuit with the most customers affected was given a rank of 1; the next circuit was a 2, etc.
- A cumulative rank then was assigned to each circuit that was the sum of the three individual ranks. The circuit that had the lowest cumulative rank was assigned a final ranking of 1, then down the line. These rankings for the corporation and each division are shown on the following pages.

Developing Reliability Plans

- The results of the circuit analysis are provided to the operating divisions close to the end of each year.
- The operating divisions then further evaluate each of their higher-ranked circuits. They consider recent work that may have been done on the circuits and the feasibility of improving the circuit reliability with additional work on a cost/benefit basis.
- The goal of each of these reliability plans is to identify those circuits with performance that can best benefit from additional work and to balance the proposed work with the current budget and manpower availability.

Reliability Steering Committee (RSC)

- NYSEG's RSC is a cross-functional working group with the responsibility to review reliability issues and reliability plans and to identify and prioritize projects to improve the overall system reliability.
- This group solicits the divisions for reliability improvement plans and evaluates them at a higher level to see how they fit with the current corporate direction and goals.
- The RSC reviews proposed projects for TDIRP and provides approval based upon potential reliability improvement.

The RSC provides support and direction for SAIFI/CAIDI Reliability Sub-Committees

| Worst Performing Circuits 2010 Annual Reliability Report | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Division | Circuit_Desc | Circuit | Customers Connected | Circuit Voltage | Circuit Miles | Weighted CAIDI | Weighted SAIFI | Cumulative Corp Rank | Div Rank |
| Auburn | MARIETTA 511 | 4401602 | 956 | 34.5 | 61.97 | 3.04 | 1.71 | 96 | 1 |
| Auburn | STRYKER AVE 721 | 4402102 | 1,828 | 12.5 | 54.53 | 0.77 | 1.62 | 119 | 3 |
| Auburn | WHITING RD 526 | 4405001 | 1,128 | 34.5 | 58.92 | 2.20 | 1.11 | 155 | 4 |
| Binghamton | BODLE HILL TAP 515 | 8105801 | 1,838 | 34.5 | 71.61 | 1.24 | 3.77 | 17 | 1 |
| Binghamton | CHENANGO BRIDGE 428 | 8101705 | 2,027 | 34.5 | 71.00 | 1.82 | 1.72 | 36 | 2 |
| Binghamton | KATTLEVILLE 422 | 8104601 | 2,833 | 34.5 | 90.16 | 2.27 | 1.10 | 38 | 3 |
| Binghamton | AFTON 429 | 8102901 | 2,076 | 34.5 | 143.36 | 1.73 | 1.52 | 42 | 4 |
| Binghamton | WILLET 423 | 8104401 | 1,125 | 34.5 | 119.05 | 2.71 | 1.82 | 72 | 7 |
| Binghamton | SOUTH OTSELIC 427 | 8103501 | 496 | 34.5 | 52.23 | 2.88 | 4.15 | 76 | 8 |
| Binghamton | KATTLEVILLE 426 | 8104602 | 854 | 34.5 | 53.13 | 1.70 | 2.72 | 97 | 9 |
| Binghamton | CINCINNATUS 761 | 8103203 | 756 | 4.8 | 70.35 | 1.92 | 2.34 | 125 | 11 |
| Brewster | CRAFTS 423 | 1105723 | 2,443 | 13.2 | 36.93 | 1.86 | 3.23 | 2 | 1 |
| Brewster | UNION VALLEY 433 | 1107733 | 2,284 | 13.2 | 35.06 | 1.71 | 3.60 | 3 | 2 |
| Brewster | CRAFTS 424 | 1105724 | 1,264 | 13.2 | 39.27 | 1.97 | 6.04 | 4 | 3 |
| Brewster | WEST PATTERSON 475 | 1106575 | 1,501 | 13.2 | 43.40 | 2.24 | 3.79 | 7 | 4 |
| Elmira | CANADA RD 562 | 5203462 | 1,595 | 34.5 | 66.19 | 2.10 | 2.53 | 25 | 1 |
| Elmira | NORTH URBANA 535 | 5206335 | 1,425 | 34.5 | 104.96 | 3.00 | 1.64 | 59 | 2 |
| Elmira | PRESHO 341 | 5204241 | 787 | 12.5 | 69.73 | 2.33 | 2.81 | 76 | 5 |
| Elmira | RIDGE RD 501 | 5201601 | 1,487 | 34.5 | 116.84 | 1.04 | 2.23 | 80 | 6 |
| Elmira | PHILO RD 329 | 5206529 | 1,623 | 12.5 | 62.83 | 1.26 | 1.77 | 93 | 7 |
| Elmira | SOUTH ADDISON 347 | 5204447 | 469 | 12.5 | 48.16 | 2.63 | 3.86 | 98 | 9 |
| Geneva | FLAT ST 597 | 4203897 | 2,741 | 34.5 | 174.01 | 1.78 | 2.71 | 1 | 1 |
| Geneva | GREENIDGE 596 | 4203096 | 2,021 | 34.5 | 128.24 | 1.76 | 2.93 | 11 | 2 |
| Geneva | HYATT RD 569 | 4207769 | 1,559 | 34.5 | 111.46 | 1.23 | 2.15 | 53 | 3 |
| Geneva | VAN BUREN ST 606 | 4200406 | 1,917 | 12.5 | 83.81 | 1.99 | 1.21 | 69 | 4 |
| Hornell | MEYER 350 | 5301350 | 1,880 | 12.5 | 91.50 | 1.58 | 1.28 | 94 | 2 |
| Hornell | PALMITER RD 370 | 5301570 | 748 | 12.5 | 91.73 | 2.24 | 2.27 | 115 | 3 |
| Hornell | WARSAW 380 | 5302380 | 1,203 | 12.5 | 65.26 | 1.23 | 1.83 | 124 | 4 |
| Hornell | MORAINE RD 543 | 5307043 | 755 | 34.5 | 87.41 | 1.54 | 2.37 | 136 | 5 |
| Ithaca | WEST HILL 610 | 4301502 | 1,951 | 12.5 | 21.44 | 1.15 | 3.25 | 21 | 1 |
| Ithaca | WEST DANBY 530 | 4301403 | 1,446 | 34.5 | 74.12 | 2.53 | 2.14 | 32 | 2 |
| Ithaca | PERUVILLE TAP 522 | 4303701 | 1,331 | 34.5 | 88.12 | 1.01 | 2.60 | 70 | 3 |
| Ithaca | MORAVIA 606 | 4300603 | 1,000 | 12.5 | 81.43 | 2.18 | 2.02 | 87 | 6 |
| Lancaster | DAVIS 531 | 3103004 | 2,103 | 34.5 | 53.77 | 1.16 | 3.23 | 16 | 1 |
| Lancaster | DAVIS 382 | 3103003 | 2,351 | 12.5 | 49.15 | 2.55 | 1.59 | 20 | 2 |
| Lancaster | CEMETERY RD 490 | 3103702 | 3,244 | 12.5 | 44.83 | 1.24 | 1.35 | 34 | 4 |
| Lancaster | LANGER RD 432 | 3103203 | 3,282 | 12.5 | 33.58 | 1.19 | 1.32 | 35 | 5 |
| Lancaster | LAKE AVE 482 | 3103603 | 2,834 | 12.5 | 26.03 | 1.08 | 1.46 | 43 | 7 |
| Lancaster | HOLLAND 520 | 3102303 | 1,098 | 34.5 | 77.88 | 3.50 | 2.11 | 47 | 8 |
| Lancaster | BLOSSOM 312 | 3102201 | 2,556 | 12.5 | 31.59 | 1.58 | 1.27 | 50 | 9 |
| Lancaster | DAVIS 380 | 3103001 | 934 | 12.5 | 34.97 | 1.96 | 2.98 | 56 | 10 |
| Liberty | YULAN 204 | 2403404 | 1,895 | 12.5 | 107.50 | 2.11 | 2.71 | 8 | 2 |
| Liberty | CALLICOON 285 | 2403885 | 1,624 | 7.2 | 126.21 | 3.09 | 2.51 | 10 | 3 |
| Liberty | MAPLEWOOD 229 | 2402229 | 1,747 | 12.5 | 30.76 | 1.36 | 2.35 | 34 | 4 |
| Lockport | LOCUST ST 152 | 3200501 | 2,198 | 12.5 | 25.21 | 1.87 | 1.41 | 50 | 9 |
| Mechanicville | RAYLINSKI TAP 606 | 1205901 | 3,880 | 34.5 | 50.52 | 0.92 | 1.47 | 27 | 2 |
| Mechanicville | COONS CROSSING 607 | 1202110 | 3,213 | 4.8 | 38.70 | 1.56 | 1.25 | 31 | 3 |
| Mechanicville | CRARYVILLE 610 | 1204004 | 2,103 | 34.5 | 134.34 | 2.44 | 1.30 | 33 | 4 |
| Oneonta | EAST NORWICH 515 | 2305515 | 2,867 | 34.5 | 145.51 | 1.57 | 2.18 | 5 | 1 |
| Oneonta | HANCOCK 216 | 2307716 | 1,557 | 12.5 | 135.39 | 3.85 | 2.49 | 8 | 2 |
| Oneonta | EAST NORWICH 516 | 2305516 | 1,811 | 34.5 | 103.24 | 1.39 | 2.48 | 23 | 3 |
| Oneonta | AXTELL RD 511 | 2307011 | 1,252 | 34.5 | 119.08 | 3.37 | 2.49 | 26 | 4 |
| Oneonta | MILFORD 227 | 2301327 | 1,144 | 12.5 | 91.01 | 3.89 | 2.46 | 30 | 5 |
| Oneonta | MILFORD 258 | 2301358 | 1,139 | 12.5 | 67.47 | 4.33 | 1.98 | 51 | 6 |
| Plattsburgh | KEESESVILLE 447 | 1503047 | 1,944 | 12.5 | 85.96 | 1.06 | 3.26 | 14 | 1 |
| Plattsburgh | SCIOTA-FLATROCK 517 | 1500517 | 3,062 | 34.5 | 219.46 | 1.05 | 1.35 | 36 | 2 |
| Plattsburgh | NORTON 420 | 1503101 | 1,086 | 12.5 | 78.18 | 1.71 | 2.42 | 62 | 3 |

# Section 6. Network Feeder Performance

## Provide a listing of network feeders, by operating area, based on the number of open automatics for the calendar year.

The Binghamton secondary network is fed by six primary distribution feeders--the Noyes Island 271, 272, 273, 274, 275 and 276 circuits. The secondary network is designed to operate under contingencies for loss of two out of the six feeders. The Noyes Island Substation has two sets of 12/16/20 MVA transformer banks to cover contingencies for loss of one of the transformers.

The Auburn secondary network is fed by four primary distribution feeders--the Green Street 316, 322, 323, and 330 circuits. The secondary network is designed to operate under contingencies for loss of two out of the four feeders. The Green Street Substation has two set of 7.5/9.375 MVA transformer banks to cover contingencies in the event of a loss of one of the transformers.

## Provide an analysis of the worst-performing feeders. The analysis must cover a minimum of 5% of the feeders and include a description of the methodology used to identify the worst performing feeders.

In 2010, there were no reported outages on any of the Noyes Island primary circuits or the Green Street primary circuits