NYSEG RG&E

James A. Lahtinen
Vice President - Rates and Regulatory Economics

April 1, 2013

VIA ELECTRONIC SERVICE

Mr. Thomas Dvorsky
Director – Office of Electric, Gas & Water
New York State Public Service Commission
Three Empire State Plaza
Albany, NY 12223-1350

Re: Case 02-E-1240 – Proceeding on Motion of the Commission to Examine Electric Service Standards and Methodologies

Dear Mr. Dvorsky:

New York State Electric & Gas Corporation and Rochester Gas and Electric Corporation hereby submit for filing their Annual Electric Reliability Report and Power Quality Report pursuant to the New York State Public Service Commission's Order in the above referenced proceeding.

If you have any questions concerning this filing, please contact Steve Church at (607) 762-7071.

Respectfully submitted,

James A. Lahtinen

James A. Lahtinen

Attachment

cc: J. Cohen, Acting Secretary
M. Worden

Printed on recycled paper

89 East Avenue, Rochester, NY 14649
Tel 585.724.8409
James_Lahtinen@rge.com

IBERDROLA USA

NEW YORK STATE ELECTRIC & GAS

CORPORATION



2012 Annual Reliability Report

March 31, 2013

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

Table of contents

DEFINITIONS 5

SECTION 1 – Corporate

- **Corporate Assessment** 7
- **Major Storm Summary** 9
- **Corporate Corrective Actions** 11
- **Corporate Major Capital Program** 15
- **Distribution Reliability Projects** 16
- **Annual Distribution Facilities Inspection** 17

SECTION 2 – Divisions

- **Auburn** 19
- **Binghamton** 23
- **Brewster** 30
- **Elmira** 35
- **Geneva** 40
- **Hornell** 44
- **Ithaca** 49
- **Lancaster** 54
- **Liberty** 62
- **Mechanicville** 67
- **Oneonta** 72
- **Plattsburgh** 78

SECTION 3 – Reliability Program

- **Historical O&M Expenditures** 83
- **Program Overview and Summaries** 84
- **Distribution Reliability Program Budgets/Actuals** 94
- **O&M Program Budgets/Actuals** 95
- **Workforce Analysis** 96
- **Contractor Crews** 96
- **Vegetation Line Clearance** 96

SECTION 4 - Power Quality 97

SECTION 5 - Circuit Performance

- **Circuit CAIDI/SAIFI Analysis** 101
- **Worst Performing Circuit Analysis** 154

SECTION 6 – Network Feeder Analysis 157

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 result 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 858,615 electric customers as of December 2012. NYSEG serves a primarily rural area comprised of 149 small cities and villages with 4,568 circuit miles of transmission lines, 34,403 circuit miles of primary distribution lines, served from 432 substations.

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

	2008	2009	2010	2011	2012
CAIDI	2.08	2.00	1.98	2.07	2.00
SAIFI	1.11	1.08	1.14	1.20	0.98
Interruptions	10,027	9,644	9,770	10,272	9,424
Customer Hours	1,980,217	1,848,600	1,934,746	2,127,895	1,675,697
Customers Interrupted	953,107	922,448	975,379	1,028,868	839,413
Customers Connected	860,259	857,437	858,269	858,910	858,615

NYSEG met the CAIDI and SAIFI PSC targets in 2012.
The target levels for 2012 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				
		2008	2009	2010	2011	2012
1	Major Storms	12.45	4.54	7.51	17.39	24.66
2	Tree Contacts	2.54	2.21	2.43	2.20	2.55
3	Overloads	1.80	1.89	2.21	1.57	2.19
4	Operational Errors	0.39	1.77	0.76	1.00	1.17
5	Equipment Failures	1.79	2.01	1.52	1.83	1.80
6	Accidents/Non-Utility	1.63	1.59	2.06	2.23	2.04
7	Prearranged	1.49	1.26	0.93	1.23	0.52
8	Customer Equipment	1.90	1.50	1.01	1.89	1.17
9	Lightning	2.07	2.10	2.32	2.50	2.18
10	Unknown	2.08	1.78	1.47	1.75	1.47

NEW YORK STATE ELECTRIC AND GAS CORPORATE						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	1.03	0.39	0.70	1.24	0.86
2	Tree Contacts	0.41	0.43	0.40	0.42	0.17
3	Overloads	0.00	0.00	0.01	0.03	0.01
4	Operational Errors	0.02	0.01	0.01	0.00	0.00
5	Equipment Failures	0.23	0.23	0.27	0.32	0.20
6	Accidents/Non-Utility	0.17	0.18	0.22	0.19	0.35
7	Prearranged	0.02	0.02	0.02	0.02	0.03
8	Customer Equipment	0.00	0.00	0.01	0.00	0.01
9	Lightning	0.16	0.14	0.08	0.12	0.13
10	Unknown	0.10	0.07	0.12	0.09	0.07

2012 Major Storm Exclusions – Summary Table

Storm Event #	Event Start	Event Stop	Division	Start Date	End Date	Ints	CstAff	CstHrs
1	1/17/2012	1/19/2012	Auburn	1/17/2012	1/18/2012	24	4,291	11,218
			Lancaster	1/17/2012	1/19/2012	109	9,915	33,365
2	2/24/2012	2/25/2012	Hornell	2/24/2012	2/25/2012	12	564	2,394
3	3/2/2012	3/4/2012	Lancaster	3/2/2012	3/4/2012	95	13,203	34,016
4	4/22/2012	4/24/2012	Elmira	4/22/2012	4/24/2012	133	14,085	129,101
			Hornell	4/23/2012	4/25/2012	54	1,019	8,400
			Ithaca	4/23/2012	4/24/2012	121	7,623	48,824
5	5/3/2012	5/4/2012	Elmira	5/3/2012	5/4/2012	36	7,173	19,564
6	5/29/2012	5/30/2012	Geneva	5/29/2012	5/30/2012	44	10,188	131,600
			Mechanicville	5/29/2012	5/30/2012	252	12,086	73,887
			Plattsburgh	5/29/2012	5/30/2012	22	977	1,518
7	6/25/2012	6/26/2012	Brewster	6/25/2012	6/26/2012	42	8,674	22,609
8	7/15/2012	7/16/2012	Brewster	7/15/2012	7/17/2012	60	16,396	66,477
9	7/17/2012	7/19/2012	Brewster	7/18/2012	7/19/2012	22	5,526	9,371
			Plattsburgh	7/17/2012	7/19/2012	42	2,435	8,285
10	7/24/2012	7/25/2012	Brewster	7/24/2012	7/25/2012	39	11,488	13,323
11	7/26/2012	7/31/2012	Binghamton	7/26/2012	7/30/2012	203	16,909	185,964
			Brewster	7/26/2012	7/29/2012	257	31,144	258,451
			Elmira	7/26/2012	7/31/2012	509	39,819	831,649
			Liberty	7/26/2012	7/30/2012	188	33,114	244,930
12	8/4/2012	8/6/2012	Lancaster	8/4/2012	8/6/2012	87	20,476	73,463
13	9/6/2012	9/10/2012	Binghamton	9/6/2012	9/8/2012	76	10,512	62,164
			Brewster	9/8/2012	9/10/2012	74	11,840	57,589
			Mechanicville	9/8/2012	9/9/2012	45	8,376	17,430
			Plattsburgh	9/8/2012	9/9/2012	62	5,782	27,489
14	9/18/2012	9/20/2012	Brewster	9/18/2012	9/20/2012	235	35,321	416,208
			Mechanicville	9/18/2012	9/19/2012	91	4,181	17,192
			Oneonta	9/18/2012	9/19/2012	49	3,124	11,890
15	10/29/2012	11/10/2012	Auburn	10/29/2012	10/31/2012	20	4,115	15,585
			Brewster	10/29/2012	11/10/2012	3,173	219,399	10,776,182
			Elmira	10/29/2012	11/2/2012	181	12,921	162,867
			Geneva	10/29/2012	10/31/2012	92	9,136	62,446
			Hornell	10/29/2012	11/2/2012	87	7,025	33,223
			Lancaster	10/29/2012	10/31/2012	66	1,902	5,616
			Liberty	10/29/2012	11/10/2012	1,137	84,354	3,832,335
			Mechanicville	10/29/2012	11/1/2012	136	7,068	76,809
			Oneonta	10/29/2012	11/4/2012	231	22,232	248,208
16	12/10/2012	12/11/2012	Mechanicville	12/10/2012	12/11/2012	5	7,936	19,706
17	12/20/2012	12/24/2012	Lancaster	12/20/2012	12/22/2012	47	6,999	14,799
			Mechanicville	12/21/2012	12/24/2012	268	12,745	233,603

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 2012. 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 a need to file corrective actions at this time.

As noted in previous reports, certain anomalies adversely affect the Companies reliability performance and ability to meet the CAIDI and SAIFI measures. These events can be classified into two main categories –

- Weather impacts
- Uncontrollable events

Adverse Weather

Weather Impacts – Multiple large impacting weather events have significant negative impacts on the reliability indices. Mechanisms are in place to allow the exclusion of the reliability impacts due to the most severe events but not for those “shoulder” or minor storm events.

NYSEG has developed a process to identify and track minor storms days by Division. This information will be used to study the relationship between the hardening of the electric delivery system and how that affects major storm events and minor storm events.

The table below lists the minor storm events from 2012 –

Division	Date	Interruptions	Customers Affected	Customer Hours	Percent Customers Out
Plattsburgh	1/18/2012	33	2,517	6,848	6.1%
Plattsburgh	1/27/2012	5	2,645	903	6.5%
Ithaca	5/3/2012	8	3,039	8,840	5.2%
Geneva	5/25/2012	9	2,686	3,375	4.8%
Auburn	5/29/2012	33	1,761	15,568	4.8%
Geneva	6/1/2012	5	2,474	2,301	4.4%
Geneva	6/5/2012	6	3,139	2,834	5.6%
Plattsburgh	7/4/2012	22	2,049	7,057	5.0%
Liberty	7/6/2012	14	2,026	13,799	4.0%
Ithaca	7/7/2012	11	4,051	7,856	6.9%
Hornell	7/7/2012	11	2,216	3,295	6.1%
Plattsburgh	7/15/2012	9	3,311	2,422	8.1%
Geneva	7/22/2012	10	4,278	3,782	7.7%
Ithaca	7/23/2012	10	3,180	4,734	5.4%
Plattsburgh	7/23/2012	45	2,847	7,477	6.9%
Liberty	7/23/2012	13	2,827	7,142	5.6%
Brewster	8/6/2012	19	5,967	2,945	7.1%
Oneonta	8/9/2012	31	3,903	12,408	4.3%
Ithaca	8/10/2012	14	3,932	3,076	6.7%
Ithaca	8/14/2012	9	3,852	4,278	6.6%
Brewster	8/15/2012	34	4,387	9,281	5.2%
Binghamton	8/15/2012	13	5,378	12,821	4.9%
Geneva	8/15/2012	6	2,473	3,337	4.4%
Ithaca	8/15/2012	14	5,583	5,331	9.6%
Liberty	8/17/2012	6	2,971	12,908	5.9%
Ithaca	9/6/2012	6	2,942	10,343	5.0%
Hornell	9/6/2012	8	2,984	8,421	8.2%
Oneonta	9/8/2012	43	4,090	15,908	4.5%
Liberty	9/8/2012	38	3,431	12,094	6.8%
Liberty	9/18/2012	36	4,033	11,309	8.0%
Ithaca	10/6/2012	7	3,361	4,497	5.7%
Liberty	10/8/2012	4	3,312	5,345	6.6%
Plattsburgh	12/2/2012	3	3,867	861	9.5%
Liberty	12/7/2012	4	2,518	531	5.0%
Auburn	12/8/2012	3	1,481	168	4.1%
Geneva	12/15/2012	2	2,824	282	5.1%
Liberty	12/15/2012	4	2,140	394	4.3%
Geneva	12/20/2012	4	2,258	618	4.1%
	TOTALS	552	122,733	235,389	

The information above is presented for reliability trending and comparison purposes only.

Uncontrollable Events

NYSEG experienced a number of large uncontrollable, non-weather related events in 2012. The largest of these events are listed in the table below.

Division	Event Start Date	Customers Impacted	Customer Hours	Cause Description
Mechanicville	1/9/2012	3,563	3,673	Motor Vehicle Accident
Lancaster	1/13/2012	6,340	21,392	Equipment Damage - Vandalism (Tran Poles)
Mechanicville	1/27/2012	3,000	5,850	Motor Vehicle Accident
Liberty	2/16/2012	1,701	912	Motor Vehicle Accident
Plattsburgh	3/26/2012	1,437	4,982	Motor Vehicle Accident
Hornell	3/26/2012	1,572	2,206	Motor Vehicle Accident
Ithaca	4/3/2012	928	5,023	Motor Vehicle Accident
Plattsburgh	6/3/2012	2,594	4,982	Customer Equipment Failure
Auburn	7/1/2012	8,594	7,453	Animal - Squirrel
Ithaca	7/5/2012	2,050	1,767	Contractor Caused
Plattsburgh	7/15/2012	3,229	2,341	Loss of Supply - Foreign Utility
Ithaca	7/16/2012	2,083	2,435	Motor Vehicle Accident
Mechanicville	10/2/2012	1,803	3,556	Loss of Supply - Foreign Utility
Binghamton	10/19/2012	1,418	1,324	Motor Vehicle Accident
Lancaster	11/15/2012	4,829	2,599	Tree - Customer Felled
	totals:	45,141	70,495	

NYSEG is reviewing and monitoring all uncontrollable interruptions to identify any emerging trends due to motor vehicle accidents, vandalism and/or foreign objects.

Adjusted CAIDI and SAIFI performance due to exclusion of uncontrollable events

NYSEG	Customers Connected	Customers Interrupted	Customer Hours	CAIDI	SAIFI
As Reported	858,615	839,413	1,675,697	2.00	0.980
As Adjusted	858,615	794,272	1,605,202	2.02	0.930

NYSEG will continue to identify and track events of this nature in future years for potential exclusion from reliability metrics' calculations as allowed per the process noted in the current Rate Plan.

Major Transmission and Distribution Capital Investments in 2012 –

2012 Major Capital Project Investments

Project Title	2011 Act	2012 Act	Total
Afton Substation - Add New 34.5kV Circuit	$172,282	$520,745	$693,026
Binghamton Transmission Line 32-36 Split	$0	$1,215,160	$1,215,160
Brewster RTU Project	$2,653,090	$3,812,899	$6,465,989
Cantitoe - Add 2nd 13.2kV Circuit	$103,092	$430,714	$533,807
Circuit 426 (Katelville Tap _ Chenango Brdg)Upgrade Conductor	$473,366	$2,257,040	$2,730,407
Coddington LTCCapacity 115-34.5kV Xfmr	$910,271	$1,320,758	$2,231,029
Davis Rd - Add 4th Circuit	$268,822	$90,923	$359,744
DOE Stimulus Prgm-Capacitor Banks-NYSEG	$1,473,270	$2,665,747	$4,139,016
Eelpot, Add 2nd 115-34.5kV Transformer	$802,609	$1,639,385	$2,441,994
Flat Street Substation New Transformer	$612,133	$1,934,810	$2,546,943
Glenwood - Repl. Substation Transformer	$100,045	$179,534	$279,580
Greenidge Substation Grounding Bank	$2,182,321	$352,169	$2,534,490
Hillside Sub Transformer #3 Replacement	$441,438	$49,817	$491,255
Ithaca Reinforcement Project	$1,517,634	$508,830	$2,026,463
Kattelville 115kv Ckt Switcher Addition	$190,753	$200,684	$391,437
Klinekill-Valkin-Construct New 115kV TL	$272,946	$1,090,855	$1,363,800
Line 807 Conversion to 115kV	$1,446,408	$1,638,649	$3,085,057
Mechanicville Reinforcement Project	$1,495,815	$7,554,774	$9,050,589
Meyer Sub - Add 115kV Capacitor Bank	$474,444	$776,540	$1,250,984
Meyer Substation New Transformer	$651,026	$198,549	$849,576
Moraine Road - Add 2 115kV Breakers	$2,422,982	$643,222	$3,066,204
New Bulk Spare Power Transformer	$0	$1,465,881	$1,465,881
New Mobile Substation (#22)	$839,090	$1,070,906	$1,909,996
NYSEG RTU Installation Project	$528,423	$1,655,213	$2,183,636
Poundridge #1 Transf Repl - Brewster	$197,429	$10,947	$208,376
Richfield Springs Substa New Transformer	$592,593	$1,219,679	$1,812,272
Roll Road Sub - Add 4th Circuit	$493,734	$251,583	$745,317
S. Park Transformer Replacement	$473,270	$2,466,747	$2,940,017
S. Perry New 230kV Transformer Project	$1,087,403	$819,723	$1,907,126
S. Perry, Add 2nd 115-34.5kV Transformer	$492,276	$686,576	$1,178,851
Sectionalizer Replacement Program	$1,001,412	$892,263	$1,893,675
Silver Creek Sub New Transformer	$174,443	$398,509	$572,951
South Perry New 115kV& 230kV Transformers	$492,276	$686,576	$1,178,851
Stephentown Substation New Transformer	$527,985	$879,663	$1,407,648
Walden 69kV Transm Line Upgrade	$344,271	$4,985,594	$5,329,866
Watercure Rd Sub-Install 2nd 345kV Xfmr	$1,949,839	$1,660,261	$3,610,100
Werhle Dr Replace Cable, Switch Gear	$148,036	$1,430,370	$1,578,406
West Woodbourne 34.5kV Capacitor Bank	$30,732	$264,090	$294,821
Westover (Goudey) New Xfmer Bank	$523,182	$895,305	$1,418,487
Willet Substation New Transformer	$627,324	$747,511	$1,374,835

Reliability indices for individual regions and overall company will reflect the impacts of these projects.

Specific Distribution Reliability Projects/Investments in 2012 –

Name	Description	Actual
Reconductor Center Rd, Ovid circuit 715	Reconductor along Center Rd. in the town of Ovid.	$203,518
Reconductor, Briscoe 4/0, Line 995	Replace 15 poles and install 7 new mid-span poles to reduce span lengths in order to maintain proper ground clearance. Replace 5,955 ft. of #4 wire to 4/0 from rte 52 to meet up with the existing 4/0 at pole 20.	$191,158
Reconductor Union Rd, Line 442 in Peru	Install 14 poles and 1 push brace. Reconductor 5,117 ft. of 4/0 primary and 1/0 neutral to 477 mcm with a 4/0 neutral.	$185,042
Install 2nd circuit from Afton Sub.	Install a 2nd pole line on the north side of the road. By doing this, each pole will carry only one circuit.	$168,626
Reconductor and install poles on Route 28, Franklin 0204	Replace original single phase #2 BACSR primary wire installed in 1936 on this three phase line with 4/0 AAAC P or B. Poly wire to be used depending on tree conditions. Install 7 45 ft. poles to replace existing poles also installed in 1936 and install 6,964 ft. of 2-wire primary.	$146,558
Tie Line, Tar Hollow ,Hancock 7716, Ckt# 216, L-582	Construct a 2, 658 ft. tie-line from pole 2A-4,line 601 to pole 5 of line 2751. This pro-line will be constructed along the road for its entire distance and will be an overbuild of an existing Hancock Tel line for most of its length. In conjunction, it is proposed to rebuild the existing line from pole 66 to 65 of line 582. This existing three phase 666 ft. span consists of 4-wire, #2 B ACSR conductor of 1931 & 1939 vintage. It is planned to replace pole 66 (40 ft. 1962) with a 45 ft. pole, install a 45 ft. mid-span pole alongside Tar Hollow Road and replace the existing #2 B ACSR conductor with #1/0 B AAAC conductor.	$110,317
Lower Lacy Rd Line Relocation Keene, Sub-Norton 420	Relocate troublesome back lot line (1199) .Remove 1,030 ft of #4 CU primary line and install 1,735 ft. of primary distribution along Lacy Rd.	$104,187
North Urbana circuit 535,Relocation	Replace/relocate 2 sections of primary and 3 poles to correct safety issues. Also 2 sections of open wire secondary will be replaced.	$87,802
Relocate / Reconductor Highland Lk Rd. (Job1)	Install 20 poles and 23 spans of primary wire to relocate primary and eliminate 36 back lot primary poles.	$83,951
Quaker Hill Rd. , Rebuild Reconductor L-148, L-1142	Replace 6 poles and reconductor 3,419 circuit ft of 4.4CU, 4.8 kV, single phase primary utilizing 1/0 PAAC.	$80,555
Reconductor W Dover Rd, Dover, L-175	Convert 3,832 ft of single phase delta primary to single phase wye primary. Replace eight (8) poles, four (4) anchors, and approximately 2,606 ft of #4 B.Cu delta primary with 4/0 P.Al wye primary and 1/0 B.Al neutral.	$77,585
Burdett / Meck 508	Reconductor 2,290 ft. of aging #2 ACSR with 1/0 ACSR. Install one mid-span pole. Conductor is aging, installed in 1941, and has many splices indicating multiple instances of failure.	$74,230
Rebuild North Bend Rd Granville, circuit 626	Rebuild approximately .7 mile of deteriorated three-phase, 12.5 kV overhead primary distribution line. New 45 ft. and 50 ft. poles will be installed, along with new 1/0 AAAC primary conductor. The new poles will be framed for future 34.5 kV. The existing poles are located roadside and will be replaced.	$71,150
8102-North St-R/P poles,R/C sec	Replace 16 poles and 1,761 ft. of secondary conductor, 1 overloaded transformer will also be upgraded.	$69,941
Relocate/Reconductor Highland Lk Rd (Job2)	Install 20 poles and 23 spans of primary wire to relocate primary and eliminate 36 back lot primary poles.	$68,260
Relocate/Reconductor Highland Lk Rd (Job3)	Install 20 poles and 23 spans of primary wire to relocate primary and eliminate 36 back lot primary poles.	$63,957
Pole Replacement, Hawley Rd, North Salem 16	Line 1060 Poles 7964, 7970,7977, 7979, 7980, 7982-1, and 7982-7990, replace poles and transfer all of NYSEG's interests to new poles. NYSEG to F/S poles and anchors. Spot replace all poles and anchors. NYSEG to remove sole own poles.	$59,827
Phelps-201,Park St., Phelps	Replace #4 & #6 copper primary and CU #2 7 STR TBWP Secondary wire along with various poles on Park St in the village of Phelps. Replace 3-wire-open service at poles #114-William St, pole#110 & #102 on Park St.	$56,026
Reconductor Jarvis Rd., Line 487, Sub circuit 427, 12.47 kV, Peru	Replace and install 16 poles and reconductor 4,160 ft of existing 1/0 AAC primary and neutral to 477 MCM with a 4/0 neutral. Poles 4 & 5 will be installed and 760 ft. of 477 MCM with 4/0 neutral.	$55,880
Chemung 318,Reconductor phase 2, TRK	Replacing 2,396 ft of 1940's #4 Copperweld with new 1/0 Bare 3AC. Replacing 4 1940's poles and setting 2 new ones due to span lengths.	$54,100
Line - 808 Cook Hollow, Troupsburg	Install 3800ft. of 1/0 AAAC bare, 4.8 kV 1ph. circuit and 10 poles including 2 mid-span poles. Remove 254 ft. of #6a cwld(1937), 1,148 ft. of #4A CWLD(1939) and 2,050 ft. of #4 ACSR bare(1945) primary conductor.	$51,911

Reliability indices for individual regions and overall company will reflect the impacts of these projects.

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, Level III, or Level IV 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

	2008	2009	2010	2011	2012
CAIDI (goal - 1.75)	1.94	1.56	1.63	2.57	1.87
SAIFI (goal - 1.00)	0.86	0.63	0.79	0.62	1.03
Interruptions	379	355	322	328	407
Customer Hours	60,313	35,616	46,436	57,717	70,347
Customers Interrupted	31,145	22,833	28,560	22,499	37,622
Customers Connected	36,192	36,236	36,372	36,425	36,432

Auburn exceeded both the CAIDI and SAIFI PSC targets in 2012.

Auburn Performance: CAIDI & SAIFI by PSC cause codes –

AUBURN DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	6.43	6.36	2.83	1.47	3.19
2	Tree Contacts	2.10	1.32	1.71	2.43	3.59
3	Overloads	3.35	1.92	1.45	1.48	1.26
4	Operational Errors	0.00	0.00	0.51	0.00	0.67
5	Equipment Failures	1.99	2.18	1.73	2.18	2.06
6	Accidents/Non-Utility	0.94	1.70	1.19	3.17	1.78
7	Prearranged	0.72	1.01	1.64	1.75	0.37
8	Customer Equipment	3.40	2.00	1.00	1.14	1.17
9	Lightning	3.22	2.20	2.21	2.43	3.08
10	Unknown	2.19	1.92	1.25	0.98	1.58

AUBURN DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.28	0.12	0.11	0.14	0.23
2	Tree Contacts	0.41	0.40	0.28	0.27	0.14
3	Overloads	0.00	0.00	0.01	0.00	0.00
4	Operational Errors	0.00	0.00	0.00	0.00	0.00
5	Equipment Failures	0.23	0.08	0.23	0.11	0.17
6	Accidents/Non-Utility	0.15	0.09	0.19	0.17	0.40
7	Prearranged	0.00	0.01	0.01	0.00	0.21
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.06	0.06	0.07	0.06	0.07
10	Unknown	0.01	0.00	0.00	0.00	0.04

Auburn Failed Division Review – exceeded 2012 CAIDI and SAIFI targets

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	153	37.6%	5,188	13.8%	18,620	26.5%
Overloads	8	2.0%	34	0.1%	43	0.1%
Operational Errors	1	0.2%	18	0.0%	12	0.0%
Equipment Failures	65	16.0%	6,548	17.4%	13,478	19.2%
Accidents/Non-Utility	111	27.3%	14,537	38.6%	25,840	36.7%
Prearranged	12	2.9%	7,511	20.0%	2,792	4.0%
Customer Equipment	4	1.0%	18	0.0%	21	0.0%
Lightning	33	8.1%	2,396	6.4%	7,368	10.5%
Unknown	20	4.9%	1,372	3.6%	2,173	3.1%
TOTALS	**407**	**100.0%**	**37,622**	**100.0%**	**70,347**	**100.0%**

Summary –

The Auburn Division in 2012 has exceeded its CAIDI target and its SAIFI PSC targets. The major contributing causes of these failures were: Tree Contacts, Equipment failures, and Accidents/Non-Utility Caused.

In 2011, the Auburn Division exceeded its CAIDI target. The major contributing cause of the 2011 CAIDI failure was Tree Contacts.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines
- Replacing distribution equipment, such as reclosers
- Relocations of back-lot lines to the road

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Stryker Ave 702
- Stryker Ave 721
- Cayuga Ave 631

The 2013 planned corrective actions for these circuits are –

In 2013, the division staff will be concentrating on our major causes for interruptions which include tree contact and equipment related outages. Our initiatives planned will be trimming our distribution and transmission lines, replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition, and further relocations of back-lot lines to the road. Together these efforts will increase our overall reliability.

Corrective Actions Undertaken in 2012 to improve the Auburn Division's reliability performance and to address the 2011 failure of CAIDI include –

Vegetation Management in 2012 –

- 102 miles of distribution line tree trimming
- 368 spans (17.4 miles) of Hot Spot work on various circuits was completed

Corrective actions taken on the 2011 worst performing circuits include –

Marietta 511 –

- Sectionalizer replacement program
- Replace poles and primary

Wright Ave 706 –

- Install single phase reclosers
- Replace poles and primary

Wright Ave 705 –

- Tree Trimming

Additional capital and O&M projects completed in 2012 include—

- DPRP-11 Wright 520 Ridge Road.
- Reliability 2012 King Ferry 528.
- Replaced approximately 20,000 feet of primary wires, 194 poles and 51 transformers all over Auburn on various reliability jobs.
- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Identify Save-a-Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at NYSEG.
- Develop optimized response routes.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone.
- Review Planned Interruptions - reviewed all planned interruption identifying ways to shorten duration and minimize customers affected.
- Review for Fault Locators.
- Review Available Scheduled Workers - review scheduled worker assignments, determined ways to improve response time to each circuit for after hour's trouble.
- Animal Guards/Fence – install animal guarding; test/inspect electric fences in targeted substations.
- Review for additional lightning protection.

Binghamton Division

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

BINGHAMTON PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.00)	1.62	1.81	1.40	2.12	2.07
SAIFI (goal - 1.00)	0.78	0.71	0.95	0.98	0.69
Interruptions	971	750	849	1,007	904
Customer Hours	140,719	143,003	147,343	229,887	157,684
Customers Interrupted	86,600	78,800	105,522	108,374	76,016
Customers Connected	111,730	111,345	111,311	111,120	110,203

Binghamton exceeded the CAIDI target and met the SAIFI PSC target in 2012.

Binghamton Performance: CAIDI & SAIFI by PSC cause codes –

BINGHAMTON DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	1.80	2.47	4.99	8.47	9.05
2	Tree Contacts	2.28	1.72	2.15	2.38	2.66
3	Overloads	2.98	3.33	1.13	1.51	1.59
4	Operational Errors	0.24	0.00	0.00	0.00	0.00
5	Equipment Failures	1.55	1.68	1.12	2.06	1.81
6	Accidents/Non-Utility	1.41	2.25	1.42	1.78	2.02
7	Prearranged	0.66	1.05	1.65	1.61	0.31
8	Customer Equipment	1.63	1.00	2.02	2.30	2.21
9	Lightning	2.01	2.36	2.81	2.03	1.60
10	Unknown	1.31	1.24	0.66	1.72	1.94

BINGHAMTON DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.11	0.15	0.10	0.94	0.25
2	Tree Contacts	0.27	0.26	0.28	0.35	0.20
3	Overloads	0.00	0.00	0.01	0.00	0.00
4	Operational Errors	0.08	0.00	0.00	0.00	0.00
5	Equipment Failures	0.18	0.21	0.28	0.38	0.18
6	Accidents/Non-Utility	0.06	0.06	0.12	0.04	0.19
7	Prearranged	0.01	0.01	0.01	0.00	0.01
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.04	0.12	0.02	0.10	0.09
10	Unknown	0.13	0.05	0.23	0.09	0.02

Binghamton Failed Division Review – exceeded 2012 CAIDI target

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	343	37.9%	21,951	28.9%	58,430	37.1%
Overloads	37	4.1%	388	0.5%	617	0.4%
Operational Errors	0	0.0%	0	0.0%	0	0.0%
Equipment Failures	204	22.6%	19,760	26.0%	35,819	22.7%
Accidents/Non-Utility	185	20.5%	21,363	28.1%	43,110	27.3%
Prearranged	3	0.4%	834	1.1%	256	0.2%
Customer Equipment	4	0.4%	33	0.0%	73	0.0%
Lightning	80	8.8%	9,716	12.8%	15,555	9.9%
Unknown	48	5.3%	1,971	2.6%	3,823	2.4%
TOTALS	**904**	**100.0%**	**76,016**	**100.0%**	**157,683**	**100.0%**

Summary –

The Binghamton Division in 2012 has exceeded its CAIDI target and met its SAIFI PSC target. The major contributing causes of this failure were: Tree Contacts, Equipment failures, and Non-Utility Caused.

In 2011, the Binghamton Division exceeded its CAIDI target. The major contributing causes of the 2011 CAIDI failure were Tree Contacts and Equipment Failures.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines
- Replacing distribution equipment such as reclosers, regulators, poles and conductors identified as deficient and/or based on age
- Relocations of back-lot lines to the road for improved reliability and reduction in outages

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Bodle Hill Tap 515
- Afton 429
- Castle Garden 622
- Center Village 248
- Willet 423
- Genegantslet Corners 422
- Endicott Clark St 629
- Chenango Bridge 428
- Kattleville 422
- Kattleville 426

The 2013 planned corrective actions for these circuits are –

The Binghamton division staff will be targeting these circuits and concentrating on our major causes for interruptions which include tree contacts and equipment related outages. Our initiatives planned will be trimming our distribution and transmission lines. Replacing and/or installing distribution equipment such as reclosers, sectionalizers, regulators, poles, group operating switches, and conductor. This equipment will be targeted based on age and condition. Additionally, back lot lines will be brought to the road where possible. These actions combined will increase Binghamton division's reliability.

Corrective actions undertaken in 2012 to improve the Binghamton Division's reliability performance and to address the 2011 failure of CAIDI include –

Operations personnel patrolled worst performing circuits between the station breaker and the first fuse point or sectionalizing device (Zone 1). Line issues were identified that could potentially cause an outage. Issues were prioritized and then work was completed to eliminate or reduce any interruption risk.

Highlights of the activities of this program are listed below:

- Survey circuits for vegetation hotspots in zone 1
- Review/evaluate circuit tie points.
- Line Inspections: 6,673 poles were inspected followed up by 373 repairs being completed.
- Reclosers / Sectionalizers - reviewed circuits and installed reclosers in targeted locations. Replace sectionalizers with reclosers in key locations. Vacuum reclosers now being installed to eliminate future maintenance.
- Infrared survey's performed on 48 circuits. All hot spots addressed based on threshold as determined by hot spot degree C rise over adjacent hardware.
- Fuse Coordinations performed on four circuits.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone.
- Review Planned Interruptions - reviewed all planned interruption identifying ways to eliminate interruption and/or shorten duration and minimize customers affected.
- Review Available Scheduled Workers - review scheduled worker assignments, determined ways to improve response time to each circuit for after hour's trouble.
- Review lightning prone areas for additional LA's and ground protection.
- Completed infrared survey of all 59 substations. All detected hot spots were repaired.
- Completed doble testing on 87 pieces of substation equipment.
- Completed 92 bulk and 220 non bulk substation power relay tests.

Vegetation Management in 2012 –

- 266 miles of distribution line tree trimming was completed
- 89.4 miles covering 880 acres of transmission trimming was completed

Corrective actions taken on the 2011 worst performing circuits include –

Afton 429 –

- Performed reliability patrol and repaired deficiencies found.
- Split Afton 429 into two separate circuits starting at the sub. New (additional) circuit name and number is Afton 460.
- Replaced normally open tie switch between the existing 429 and the newly created 460 circuit (previously also part of Afton 429).
- Replaced existing substation static pole.
- Replaced existing wood arms with fiberglass along Ives Hill Rd.
- Additional lightning arrestors added along Ives Hill Rd.
- Hot Spot trimming on circuit and around entire substation.
- DLI patrols and deficiencies addressed.

Center Village 248 –

- Entire circuit fuse coordination engineered and completed (5 towns).
- Fuses installed on significant number of spur lines.
- Reliability patrol performed and repaired deficiencies found.
- Hot spot trimming performed.
- DLI patrols and deficiencies addressed.
- Zone 1 patrols and deficiencies addressed.

Kattleville 426–

- Reliability patrol performed and repaired deficiencies found.
- 31.3 miles of tree trimming completed.
- Hot Spot trimming performed along RT 12.
- Rebuilt entire 35KV 426 transmission line from Chenango Bridge substation to Kattleville substation.

Castle Gardens 622 –

- Hot Spot trimming.
- Transmission trimming, 11.8 miles (937 Line).
- Installed 3 PH Recloser, L388, P11 (Ross Hill Rd).
- Fuse Coordination engineered and completed.
- Infrared Inspection – Zone 1.
- DLI patrols and deficiencies addressed.
- Zone 1 patrols and deficiencies addressed.
- Completed installation of animal guards in targeted areas.

Genegantslet Corners 422–

- Line relocation from wooded area to roadside (Sapbush Rd).
- DLI patrol and deficiencies addressed.
- Zone 1 patrols and deficiencies addressed.
- Completed replacement of 34.5KV three phase sectionalizer with vacuum recloser (Rt 206, town of Triangle).

Chenango Bridge 428 –

- Performed reliability patrol and repaired deficiencies found.
- Replaced recloser control at Hinmans Corners.
- Replaced two existing 34.5KV sectionalizers with reclosers (West Chenango Rd and Route 11).
- 18 miles of distribution trimming performed.
- Relocate/rebuild 16 poles, 3,000 ft of conductor including three phase 34.5 to 4.8KV step bank along Commercial Drive, town of Maine.
- Infrared – Zone 1.
- DLI patrol, deficiencies addressed.
- Zone 1 patrols and deficiencies addressed.
- Spur line reviewed for fusing.
- Regulator bank installation.
- Fault indicators installed at key locations.
- L975 Rebuild (24 poles, Brooks Rd).
- L1040 Rebuild (Rt 12 DOT Relocation).
- L1061 Group-op switch installation.

Kattleville 422 –

- L1072 Replaced two existing 34.5KV sectionalizers with vacuum reclosers (River Rd, L1072, poles 160A and 161-1).
- Performed reliability patrol and repaired deficiencies found.
- 36 miles of distribution trimming performed.
- Spur lines reviewed for fusing.
- Tree conditions reviewed.
- Infrared – Zone 1.
- DLI patrols and deficiencies addressed

Lisle 417—

- Performed Reliability Patrol and repaired deficiencies found.
- Spur lines reviewed for fusing
- Tree conditions reviewed.
- Hot Spot trimming complete.
- L1876 rebuild (Woodside Ave).
- DLI patrols and deficiencies addressed.
- Zone 1 patrols and deficiencies addressed.

Burr Ave 612 –

- Performed Reliability Patrol and repaired deficiencies found.
- Spur lines reviewed for fusing.
- Tree conditions reviewed.
- Hot Spot trimming complete.
- L1876 rebuild: 13 pole replacements on Woodside Ave in the towns of Binghamton and Conklin.
- DLI patrols and deficiencies addressed.
- Zone 1 patrols and deficiencies addressed.
- Replaced and upgraded one substation regulator.

Additional capital and O&M projects completed in 2012 include –

- 357 DLI repairs performed.
- 16 TLI poles replaced.
- Reclosers installed at various key locations as follows: Single phase 34.5KV, Foster Valley Rd (Bodle Hill Tap 515), single phase 34.5 Gaskill Rd (Bodle Hill Tap 515), single phase 8.32KV Chestnut St (Windsor 757, L102), single phase 8.32KV (Windsor 757 L4773), three phase 34.5KV, RT 17C (Canal St Tap), three phase 34.5KV West Creek Rd (Route 38 tap).
- New Group-Op switch installations completed as follows: Goudy 723 normally open tie to Glenwood 685 (Johnson City), Rano 693 normally open tie to Rano 694.
- 15 pole replacements and primary wire spans along with 17 spans of secondary along Chenango St in the village of Port Dickinson (Nowlan Rd 228).
- Lines rebuild / relocate to road: 16 poles and primary spans on Stone Rd/Knickerbocker in the town of Cincinnatus (Willet 421).
- Load swap from Glenwood 682 to Oakdale 625 (2.3MVA) via step tie. Harry L Drive, Johnson City.
- 10 defective poles replaced along W. River Rd (found during Make-Ready survey) Town of Nichols. (Lounsberry 179).
- Permanent highway relocations (to private) for bridge replacement jobs due to washouts/flooding in 2011: Pennsylvania Ave (Apalachin 176) and Gaskill Rd (Bodle Hill Tap 515) both in the town of Owego.
- Lourdes 665 substation cable exit replacement to Riverside Drive, City of Binghamton.
- Line rebuild / relocate to road: 6 pole replacements and spans Oregon Hill Rd, Town of Lisle (Whitney Point 782).
- Highway relocation (to road from back lot / inaccessible) Union Valley Rd, Town of Taylor (Cincinnatus 761).
- Defective regulator replacement, Hoadley Hill Tap 430 town of Windsor.
- Chenango Bride 742 underbuild replacement onto newly rebuilt 426 transmission line from Chenango Bridge sub to Kattleville Sub. John Smith Rd, Brotzman Rd, Edelweiss Lane and Port Rd. Town of Chenango.
- 36 DPRP defective pole replacements along Colesville Rd in towns of Colesville and Kirkwood (Sanataria Springs 211).
- 15 defective pole replacements along Woodside Ave town of Conklin (Langdon 609). Note also see Burr Ave 612 above worst performing circuit for balance of pole replacements associated to this project.

Brewster Division

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

BREWSTER PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.25)	2.31	1.81	2.16	1.98	1.77
SAIFI (goal - 1.70)	2.06	2.02	2.22	1.98	1.21
Interruptions	1,495	1,313	1,389	1,301	1,095
Customer Hours	400,433	307,807	404,076	331,554	180,387
Customers Interrupted	173,017	170,290	187,101	167,440	102,014
Customers Connected	84,152	84,194	84,326	84,456	84,629

Brewster met both the CAIDI and SAIFI PSC targets in 2012.

Brewster Performance: CAIDI & SAIFI by PSC cause codes –

BREWSTER DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	8.57	3.91	8.71	21.66	34.20
2	Tree Contacts	2.47	1.97	2.37	1.73	2.09
3	Overloads	2.86	2.92	2.42	2.50	2.24
4	Operational Errors	0.00	0.00	2.61	0.37	1.16
5	Equipment Failures	1.33	1.79	1.95	2.24	1.47
6	Accidents/Non-Utility	2.15	1.37	1.97	2.22	1.53
7	Prearranged	0.69	0.52	0.60	2.09	2.80
8	Customer Equipment	1.25	1.67	5.15	5.08	1.04
9	Lightning	2.58	1.81	2.63	3.30	1.90
10	Unknown	2.79	1.54	1.87	1.66	1.70

BREWSTER DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	2.28	1.34	3.37	5.49	4.02
2	Tree Contacts	1.06	1.18	1.11	0.97	0.37
3	Overloads	0.00	0.00	0.01	0.02	0.02
4	Operational Errors	0.00	0.00	0.00	0.00	0.02
5	Equipment Failures	0.27	0.17	0.21	0.41	0.11
6	Accidents/Non-Utility	0.29	0.27	0.49	0.38	0.45
7	Prearranged	0.02	0.02	0.02	0.00	0.00
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.16	0.18	0.05	0.06	0.18
10	Unknown	0.26	0.20	0.34	0.13	0.06

Brewster Division Review –

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	453	41.4%	30,991	30.4%	64,812	35.9%
Overloads	27	2.5%	2,032	2.0%	4,547	2.5%
Operational Errors	2	0.2%	1,471	1.4%	1,711	0.9%
Equipment Failures	128	11.6%	9,207	9.0%	13,550	7.5%
Accidents/Non-Utility	252	23.0%	37,696	37.0%	57,570	31.9%
Prearranged	3	0.3%	224	0.2%	628	0.4%
Customer Equipment	8	0.7%	52	0.1%	54	0.0%
Lightning	84	7.7%	14,884	14.6%	28,211	15.6%
Unknown	138	12.6%	5,457	5.3%	9,302	5.3%
TOTALS	**1,095**	**100.0%**	**102,014**	**100.0%**	**180,385**	**100.0%**

Summary –

The Brewster Division in 2012 has met its CAIDI target and its SAIFI PSC targets.

In 2011, the Brewster Division exceeded its SAIFI target. The major contributing cause of the 2011 SAIFI failure was Tree Contacts.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines
- Replacing distribution equipment such as reclosers, regulators, poles and conductors identified as deficient and/or based on age
- Relocations of back-lot lines to the road for improved reliability and reduction in outages

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- West Patterson 475
- Adams Corners 412
- Union Valley 433
- Union Valley 431
- Ten Mile River 444

The 2013 planned corrective actions for these circuits are –

<u>West Patterson 475</u> –

- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Identify Save-a- Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at NYSEG.

Adams Corners 412 –

- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Identify Save-a- Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at NYSEG.

Union Valley 433 –

- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Identify Save-a- Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at NYSEG.

Union Valley 431 –

- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Identify Save-a- Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at NYSEG.

Ten Mile River 444 –

- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Identify Save-a- Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at NYSEG.

Corrective actions undertaken in 2012 to improve the Brewster Division's reliability performance and to address the 2011 failure of SAIFI include –

- The Brewster Division replaced more than 800 distribution poles.

Vegetation Management in 2012 –

- 303 miles of distribution line circuit tree trimming was completed.
- 26 miles of transmission line circuit tree trimming was completed.

Corrective Actions taken on the 2011 worst performing circuits include –

Amawalk 453 –

- Entire circuit was trimmed (32.7 miles)

- Infrared-Zone 1
- Animal protection installed at transformers
- DLI patrols and deficiencies addressed
- Zone 1 patrols and deficiencies addressed
- Replaced 62 older poles

Cross River 470 –

- 1 mile of circuit was trimmed
- Infrared-Zone 1
- Animal protection installed at transformers
- DLI patrols and deficiencies addressed
- Zone 1 patrols and deficiencies addressed
- Replaced 42 older poles

Dover Plains 494 –

- Entire circuit was trimmed (43.8 miles)
- Infrared-Zone 1
- Animal protection installed at transformers
- DLI patrols and deficiencies addressed
- Zone 1 patrols and deficiencies addressed
- Replaced 3 older poles

Putnam Lake 486 –

- 1 mile of circuit was trimmed
- Infrared-Zone 1
- Animal protection installed at transformers
- DLI patrols and deficiencies addressed
- Zone 1 patrols and deficiencies addressed
- Replaced 9 older poles

West Patterson 475 –

- Hot Spot trimming 3 Spans
- Infrared-Zone 1
- Animal protection installed at transformers
- DLI patrols and deficiencies addressed
- Zone 1 patrols and deficiencies addressed
- Replaced 6 older poles

Additional capital and O&M projects completed in 2012 include –

- 63 regulators/controls tested.
- 37 transducers tested/calibrated
- 112 relays tested
- 12 recloser batteries changed out.
- 345kv/115kv Carrier test complete
- 5 LTC's doble tested
- 3 RTU control houses constructed
- Replaced 10 MVA with 20 MVA at Haviland Hollow

Elmira Division

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

ELMIRA PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.50)	2.30	2.21	2.26	2.17	2.37
SAIFI (goal - 1.00)	0.98	0.97	0.93	1.22	0.79
Interruptions	756	250	783	959	815
Customer Hours	157,667	149,161	146,356	183,390	127,600
Customers Interrupted	68,616	67,587	64,632	84,627	53,857
Customers Connected	69,987	69,601	69,642	69,096	68,247

Elmira met both the CAIDI and SAIFI PSC targets in 2012.

Elmira Performance: CAIDI & SAIFI by PSC cause codes –

ELMIRA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	15.34	4.21	7.29	4.92	15.45
2	Tree Contacts	2.42	2.18	2.29	2.34	2.56
3	Overloads	1.04	2.27	2.21	2.15	2.31
4	Operational Errors	2.30	0.58	1.15	2.60	0.00
5	Equipment Failures	2.32	2.25	2.61	1.77	1.84
6	Accidents/Non-Utility	2.77	2.27	1.98	1.98	2.54
7	Prearranged	0.87	1.39	1.23	2.53	0.49
8	Customer Equipment	1.58	1.33	2.48	2.17	1.85
9	Lightning	2.00	2.81	2.82	2.91	3.00
10	Unknown	2.11	2.16	1.96	1.90	1.46

ELMIRA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.51	0.13	0.09	0.57	1.08
2	Tree Contacts	0.38	0.44	0.44	0.38	0.15
3	Overloads	0.01	0.00	0.00	0.00	0.00
4	Operational Errors	0.02	0.00	0.01	0.01	0.00
5	Equipment Failures	0.23	0.17	0.20	0.35	0.10
6	Accidents/Non-Utility	0.11	0.21	0.16	0.24	0.35
7	Prearranged	0.03	0.04	0.02	0.01	0.03
8	Customer Equipment	0.00	0.02	0.00	0.00	0.00
9	Lightning	0.14	0.07	0.04	0.17	0.11
10	Unknown	0.06	0.01	0.06	0.06	0.05

Elmira Division Review –

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	212	26.0%	10,243	19.0%	26,211	20.5%
Overloads	18	2.2%	80	0.1%	185	0.2%
Operational Errors	0	0.0%	0	0.0%	0	0.0%
Equipment Failures	109	13.4%	6,644	12.4%	12,216	9.6%
Accidents/Non-Utility	298	36.6%	24,157	44.9%	61,428	48.2%
Prearranged	17	2.1%	2,114	3.9%	1,029	0.8%
Customer Equipment	5	0.6%	20	0.0%	37	0.0%
Lightning	99	12.1%	7,165	13.3%	21,497	16.8%
Unknown	57	7.0%	3,434	6.4%	4,997	3.9%
TOTALS	**815**	**100.0%**	**53,857**	**100.0%**	**127,600**	**100.0%**

Summary –

The Elmira Division in 2012 has met its CAIDI target and its SAIFI PSC targets.

In 2011, the Elmira Division exceeded its SAIFI target. The major contributing causes of the 2011 SAIFI failure were Tree Contacts and Equipment Failures.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition
- Relocations of back-lot lines to the road

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Montour Falls 511
- Prattsburg 241
- South Addison 347
- Pulteney Tap 598
- Chemung 318
- Ridge Rd 501
- South Addison 346
- Whiskey Creek 345

The 2013 planned corrective actions for these circuits are –

In 2013, the division staff will be concentrating on our major causes for interruptions which include tree contact and equipment related outages. Our initiatives planned will be trimming our distribution and transmission lines, replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition, and further relocations of back-lot lines to the road. Together these efforts will increase our overall reliability.

Circuits currently planned for Maintenance and Hot Spot Clearing –

- Chemung 318
- Montour Falls 511
- North Urbana 535
- Prattsburg 241
- Pulteney Tap 598
- Ridge Road 501
- South Addison 346, 347
- Whiskey Creek 345

Circuits currently planned for Distribution Line Inspections –

- Bath Tap 531
- Bath 339
- Canada Rd. 562, 564
- Hickling 381, 382
- Keuka 201
- Keuka-Elmira 202, 203
- Madison Ave 66, 90, 385, 386
- Montour Falls 231, 233, 511, 512
- Montour Odessa Tap 501
- New Corning 390, 391
- Ridge Rd 501
- Riverside 311, 312, 313, 314

Corrective actions undertaken in 2012 to improve the Elmira Division's reliability performance and to address the 2011 failure of SAIFI include –

- Infrared Inspections completed on worst performing circuits.
- Infrared Inspection of all substations completed.
- Distribution repairs of Cat 1 issues and failed rubber ties were completed.
- Survey of vegetation hot spots complete in Zone 1.
- Reviewed lightning and animal guard protection and installed as needed.
- Complete vegetation planned trimming.
- Animal fencing installed at Whiskey Creek and Woodlawn substations.
- Reviewed and adjusted scheduled workers to improve response times.
- Completed annual pole inspection program.

Vegetation Management in 2012 –

- 215 miles of distribution line tree trimming was completed.
- Clearing was performed on 601.2 acres of transmission rights-of-way.
- 1,115 spans of Hot Spot trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Montour Falls 512 –

- Reconductor construction began in 2012 for a 5 mile rebuild, expected completion in 2013
- A 5 mile tie to Canada Rd 562 with sectionalizing modernization has been identified and is in design to mitigate CAIDI and SAIFI issues. Design release is expected in 2013 and construction is expected to be completed in 2013.

- Lightning mitigation review completed.

Canada Rd 562 –
- Replace defective rubber ties
- Install animal guards and lightning protection as needed
- Recloser upgrade issue to be installed Q1 2013
- A full circuit system review was completed with a resulting recommendation for circuit automation in 2014, which will coincide with the completion of the Montour Falls 512 tie.

Ridge Rd 501 –
- Recloser upgrade issue to be installed Q1 2013

Chemung 318 –
- 8 spans Hot Spot/Danger Tree/Yard Tree Removals

Pulteney Tap 598 –
- Recloser upgrade issue to be install Q1 2013
- Circuit inspection completed with repair of all Cat 1 issues
- Circuit analysis completed; upgrade plan issued for 2013 build
- Full Circuit Trim

Additional capital and O&M projects completed in 2012 include –
- Recloser program delayed due to defective units. Installation will take place Q1 2013 on Canada Rd 562 & 564, North Urbana 535, Pulteney Tap 598, and Ridge Rd 501.
- Fuse coordination completed: Canada Rd 564, Bulkhead 322, Broad St 300, Hampton 326, Hickling 381
- Bulkhead 128: replace 6 poles, reconductor 12 spans secondary
- Prattsburg Tap upgrade: Relocated and rebuilt 7 spans, installed switched and upgrade step transformers.
- Hillcrest 316: replaced 4 spans of secondary
- S. Addison 347: reconductor 10 spans
- Bulkhead 321: reconductor 18 spans of secondary
- Campbell 352: relocated 6 pole replaced 7 spans
- Ridge Rd 307: replaced 13 poles
- Completed Distribution Line Inspections on:
    - Bulkhead 79, 128, 321, 322, 323
    - Campbell 351, 352
    - Dineharts 535
    - Fallbrook 358, 359, 360, 362
    - Hammondsport 243, 333

Geneva Division

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

GENEVA PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.00)	1.97	1.76	1.90	2.77	1.77
SAIFI (goal - 1.20)	1.10	0.95	1.07	0.88	1.16
Interruptions	621	692	597	639	646
Customer Hours	125,290	96,437	117,075	137,131	114,692
Customers Interrupted	63,605	54,810	61,594	49,544	64,690
Customers Connected	57,753	57,891	57,804	56,159	55,766

Geneva met both the CAIDI and SAIFI PSC targets in 2012.

Geneva Performance: CAIDI & SAIFI by PSC cause codes –

GENEVA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	9.47	0.00	5.85	2.72	10.04
2	Tree Contacts	2.33	2.16	2.35	3.90	3.03
3	Overloads	1.76	1.06	4.38	3.29	2.64
4	Operational Errors	0.00	0.33	5.55	0.00	6.00
5	Equipment Failures	1.87	1.21	1.69	1.81	1.40
6	Accidents/Non-Utility	1.54	1.40	1.81	2.37	2.17
7	Prearranged	1.50	2.07	0.54	2.23	0.59
8	Customer Equipment	1.33	1.56	1.19	1.33	2.00
9	Lightning	1.93	2.01	1.62	4.33	1.43
10	Unknown	1.54	1.37	1.75	1.73	1.18

GENEVA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.94	0.00	0.09	0.43	0.35
2	Tree Contacts	0.35	0.38	0.27	0.16	0.12
3	Overloads	0.00	0.00	0.01	0.03	0.00
4	Operational Errors	0.00	0.00	0.00	0.00	0.00
5	Equipment Failures	0.36	0.22	0.27	0.28	0.12
6	Accidents/Non-Utility	0.15	0.16	0.29	0.14	0.46
7	Prearranged	0.02	0.01	0.00	0.03	0.14
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.20	0.15	0.16	0.15	0.23
10	Unknown	0.02	0.03	0.06	0.09	0.09

Geneva Division Review –

Interruption Breakdown by PSC Cause

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	164	25.4%	6,837	10.6%	20,727	18.1%
Overloads	23	3.6%	100	0.2%	264	0.2%
Operational Errors	1	0.1%	1	0.0%	6	0.0%
Equipment Failures	78	12.1%	6,772	10.5%	9,502	8.3%
Accidents/Non-Utility	230	35.6%	25,485	39.4%	55,257	48.2%
Prearranged	18	2.8%	7,495	11.5%	4,422	3.8%
Customer Equipment	1	0.1%	3	0.0%	6	0.0%
Lightning	91	14.1%	12,984	20.1%	18,589	16.2%
Unknown	40	6.2%	5,013	7.7%	5,919	5.2%
TOTALS	**646**	**100.0%**	**64,690**	**100.0%**	**114,692**	**100.0%**

Summary –

The Geneva Division has met its CAIDI target and its SAIFI PSC targets.

In 2011, the Geneva Division exceeded its CAIDI target. The major contributing causes of the 2011 CAIDI failure were: Tree Contacts and Equipment Failures.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition
- Relocations of back-lot lines to the road

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Greenidge 596
- Sleight Rd 546
- Flat St 597
- Hyatt Rd 569

The 2013 planned corrective actions for these circuits are –

In 2013, the division staff will be concentrating on our major causes for interruptions which include tree contact and equipment related outages. Our initiatives planned will be trimming our distribution and transmission lines, replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition, and further relocations of back-lot lines to the road. Together these efforts will increase our overall reliability.

Corrective actions undertaken in 2012 to improve the Geneva Division's reliability performance and to address the 2011 failure of CAIDI include –

Vegetation Management in 2012 –

- 174 miles of distribution line tree trimming was completed.
- 409 spans (19.4 miles) of Hot Spot trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Greenidge 596–

- Tree trimming
- Replace poles and primary
- Regulator replacement
- Step Bank replacement

Flat St 597–

- Install single phase reclosers
- Replace poles and primary

Hyatt Rd 569 –

- Tree trimming
- Replace poles and primary

Blodgett Rd 589 –

- Tree trimming
- Install 3 phase reclosers and bypass switches
- Replace poles

Additional capital and O&M projects completed in 2012 include –

- Reliability Flat St. 597-DPRP.
- Replaced approximately 9,000 feet of primary wires and 150 poles all over Geneva Division on various reliability jobs.
- Conduct in-depth circuit study to improve performance of circuits Greenidge 596 and Flat St 597.
- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Identify Save-a- Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at NYSEG.
- Develop optimized response routes.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone.
- Review Planned Interruptions - reviewed all planned interruption identifying ways to shorten duration and minimize customers affected.
- Review for Fault Locators.
- Review Available Scheduled Workers - review scheduled worker assignments, determined ways to improve response time to each circuit for after hour’s trouble.
- Animal Guards/Fence – install animal guarding; test/inspect electric fences in targeted substations.
- Review for additional lightning protection.

Hornell Division

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

HORNELL PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.00)	1.98	2.07	2.11	1.88	2.44
SAIFI (goal - 1.00)	0.73	0.95	0.75	0.73	0.97
Interruptions	496	0	472	477	543
Customer Hours	53,654	72,704	57,964	49,833	86,461
Customers Interrupted	27,030	35,131	27,437	26,454	35,384
Customers Connected	37,099	37,080	36,694	36,440	36,490

Hornell exceeded the CAIDI target and met the SAIFI PSC target in 2012.

Hornell Performance: CAIDI & SAIFI by PSC cause codes –

HORNELL DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	7.31	8.20	6.91	3.72	5.11
2	Tree Contacts	2.66	2.30	2.31	2.42	3.34
3	Overloads	2.90	2.75	3.33	2.74	0.96
4	Operational Errors	0.00	1.23	0.00	0.91	0.00
5	Equipment Failures	2.38	1.59	1.48	1.21	2.21
6	Accidents/Non-Utility	1.29	1.50	1.83	1.44	2.36
7	Prearranged	0.82	2.71	1.01	0.67	1.15
8	Customer Equipment	3.00	2.10	1.00	4.25	3.00
9	Lightning	1.41	2.34	2.79	2.58	2.77
10	Unknown	3.00	1.89	3.08	2.63	2.49

HORNELL DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.37	0.28	0.14	0.38	0.24
2	Tree Contacts	0.25	0.44	0.34	0.20	0.07
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	0.13	0.18	0.19	0.19	0.31
6	Accidents/Non-Utility	0.16	0.12	0.09	0.18	0.41
7	Prearranged	0.01	0.02	0.00	0.00	0.00
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.17	0.17	0.11	0.13	0.15
10	Unknown	0.00	0.02	0.01	0.02	0.03

Hornell Failed Division Review – exceeded 2012 CAIDI target

Interruption Breakdown by PSC Cause

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	116	21.4%	2,622	7.4%	8,749	10.1%
Overloads	5	0.8%	105	0.3%	101	0.1%
Operational Errors	0	0.0%	0	0.0%	0	0.0%
Equipment Failures	83	15.3%	11,212	31.7%	24,727	28.6%
Accidents/Non-Utility	217	40.0%	14,974	42.3%	35,281	40.7%
Prearranged	3	0.6%	41	0.1%	47	0.1%
Customer Equipment	10	1.8%	18	0.1%	54	0.1%
Lightning	81	14.9%	5,490	15.5%	15,210	17.6%
Unknown	28	5.2%	922	2.6%	2,293	2.7%
TOTALS	**543**	**100.0%**	**35,384**	**100.0%**	**86,462**	**100.0%**

Summary –

The Hornell Division has exceeded its CAIDI target and met its SAIFI PSC targets. The major contributing causes of this failure are Tree Contacts and Accidents/Non-Utility Caused.

In 2011, the Hornell Division met both its CAIDI and SAIFI PSC targets.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines.
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition.
- Relocations of back-lot lines to the road.
- Meyer 350 will have full circuit evaluation for relocation and tie point improvements. 10 poles will also be upgraded.
- Troupsburg 540 and Naples 566 will have reclosers installed.
- Planned Distribution Line Inspections:
    - Arkport 220
    - Canisteo 216, 217
    - Gainesville 594
    - Jasper 539
    - Perry Center 214
    - Silver Springs 261, 267
    - Wallace 340

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Stanton Ave 368
- Bennett 541
- Atlanta 568
- Moraine Rd 543
- Spring Water 255

The 2013 planned corrective actions for these circuits are –

Stanton Ave 368 –

- Federal St Conversion to 12kV

Bennett 541 –

- Recloser installation program delayed and will be completed in 2013.
- Tree trimming

Atlanta 568 –

- Full circuit evaluation for relocation and tie points will be completed once work order issued.
- Recloser installation program delayed and will be completed in 2013.

Spring Water 255 –

- Full circuit evaluation for relocation and tie points will be completed once work order issued.

Vegetation Management in 2012 –

- 190 miles of distribution line tree trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Naples 566 –

- Completed distribution line inspection

Palmiter Rd 373 –

- Installed a group operated switch for sectionalizing and replaced 4 poles.
- Recloser installation program delayed and will be completed in 2013.

Additional capital and O&M projects completed in 2012 include –

- Wallace 340: Installed recloser, completed fuse coordination, relocated 7 poles
- Canaseraga 219: replaced 17 poles with some secondary and primary
- Coffee Hill 351: replace 11 poles
- Palmiter 370: relocated line with 8 poles and conductor upgrade
- Meyer 351: replaced 12 poles
- Atlanta 568: replaced 9 poles
- Howard 311: replaced 14 poles
- Woodhull 228: upgraded 22 spans of primary with 22 poles
- Japser 539: replaced 5 poles
- Wayland 231: replaced 9 pole with reconductor
- Troupsburg 563: relocated line with 17 poles and conductor
- Completed distribution line inspections on 12 circuits.
- Completed Distribution Line Tree Trimming:
    - Atlanta 568
    - Bennett 300, 301
    - Moraine 580
    - Stanton 367, 368
    - Troupsburg 563
    - Warsaw 380, 381

    - Webbs Crossing 281
    - Woodhull 228
- Completed Distribution Line Inspections:
    - Avoca 581
    - Howard 310, 311
    - Naples 330, 331, 566
    - Palmiter 371
    - Spring Water 255
    - Troupsburg 563
    - Wayland 230, 231
    - Woodhull 228

Ithaca Division

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

ITHACA PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.25)	1.98	2.07	2.11	1.88	1.79
SAIFI (goal - 1.20)	0.73	0.95	0.75	0.73	1.11
Interruptions	496	0	472	477	575
Customer Hours	53,654	72,704	57,964	49,833	115,512
Customers Interrupted	27,030	35,131	27,437	26,454	64,699
Customers Connected	37,099	37,080	36,694	36,440	58,485

Ithaca met both the CAIDI and SAIFI PSC targets in 2012.

Ithaca Performance: CAIDI & SAIFI by PSC cause codes –

ITHACA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	7.90	2.80	11.69	6.21	6.40
2	Tree Contacts	1.81	2.41	2.07	2.50	2.38
3	Overloads	2.08	3.06	1.72	2.42	3.07
4	Operational Errors	0.17	2.14	0.20	0.19	0.49
5	Equipment Failures	1.78	1.34	1.36	1.63	1.44
6	Accidents/Non-Utility	2.44	2.35	2.08	2.87	2.11
7	Prearranged	2.08	1.05	1.88	0.48	1.07
8	Customer Equipment	3.50	4.80	0.95	1.46	0.90
9	Lightning	2.12	3.06	2.73	1.73	2.03
10	Unknown	1.07	2.25	1.18	2.59	1.19

ITHACA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.58	0.11	0.08	0.19	0.13
2	Tree Contacts	0.27	0.44	0.34	0.37	0.16
3	Overloads	0.00	0.00	0.00	0.00	0.00
4	Operational Errors	0.07	0.09	0.00	0.00	0.00
5	Equipment Failures	0.22	0.21	0.38	0.21	0.24
6	Accidents/Non-Utility	0.08	0.08	0.08	0.11	0.27
7	Prearranged	0.00	0.07	0.01	0.00	0.01
8	Customer Equipment	0.00	0.00	0.10	0.00	0.13
9	Lightning	0.23	0.10	0.02	0.17	0.24
10	Unknown	0.01	0.01	0.14	0.02	0.06

Ithaca Division Review –

Interruption Breakdown by PSC Cause

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	212	36.8%	9,424	14.6%	22,429	19.4%
Overloads	30	5.2%	106	0.2%	325	0.3%
Operational Errors	1	0.2%	77	0.1%	38	0.0%
Equipment Failures	82	14.3%	14,162	21.9%	20,410	17.7%
Accidents/Non-Utility	140	24.3%	15,484	23.9%	32,669	28.3%
Prearranged	9	1.6%	453	0.7%	486	0.4%
Customer Equipment	19	3.3%	7,691	11.9%	6,946	6.0%
Lightning	59	10.3%	13,781	21.3%	28,019	24.3%
Unknown	23	4.0%	3,521	5.4%	4,189	3.6%
TOTALS	**575**	**100.0%**	**64,699**	**100.0%**	**115,511**	**100.0%**

Summary –

The Ithaca Division in 2012 has met both its CAIDI target and its SAIFI PSC targets.

In 2011, the Ithaca Division met both its CAIDI target and its SAIFI PSC targets.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines.
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition.
- Relocations of back-lot lines to the road.

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- County Hosp. – Tburg 540
- North Lansing 522
- Peruville Tap 522
- South Lansing Tap 522
- Burdett Meck 508
- West Danby 530

The 2013 planned corrective actions for these circuits are –

In 2013, the division staff will be concentrating on our major causes for interruptions which include tree contact and equipment related outages. Our initiatives planned will be trimming our distribution and transmission lines, replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition, and further relocations of back-lot lines to the road. Together these efforts will increase our overall reliability.

Vegetation Management in 2012 –

- 206 miles distribution line tree trimming was completed.
- 194 spans of Hot Spot trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Brooktondale 531 –

- Tree trimming
- Find/Fix & IR Survey
- Replace poles and crossarms

Cayuga Heights 601 –

- Patrolled, infrared distribution circuits and corrected identified issues

Moravia 606 –

- Patrolled, infrared distribution circuits and corrected identified issues

Moravia 704 –

- Patrolled, infrared distribution circuits and corrected identified issues.

North Lansing 522 –

- Patrolled, infrared distribution circuits and corrected identified issues.

Additional capital and O&M projects completed in 2012 include –

- Conduct in-depth circuit study to improve performance of circuits Brooktondale 531, West Danby 530
- Infrared Inspections completed on worst performing circuits.
- Infrared Inspection of all substations completed.
- Distribution repairs of Cat 1 issues and failed rubber ties were completed.
- Survey of vegetation hot spots complete in Zone 1.
- Reviewed lightning and animal guard protection and installed as needed.
- Complete vegetation planned trimming.
- Reviewed and adjusted scheduled workers to improve response times.
- Completed annual pole inspection program.
- Installed reclosers on:
    - Beer Tap 534
    - Burdett-Mecklenburg 508
    - County Hospital 540
    - Harford 524
    - Peruville Tap 522
    - Valois 508
    - West Danby 530
- Patrolled, infrared and corrected identified issues on the following Distribution Circuits:
    - Brooktondale 531
    - Benjamin Hill 748
    - Burdett 702
    - Burdett Meck 508
    - Cayuga Heights 601, 602, 605
    - County Hospital 540, 736

- Danby Rd 571
- Dryden 734, 735
- Dryden Tap 524
- East Ithaca 401, 404, 405, 406
- Etna 709
- Fourth St. 781, 782, 784, 785
- Interlaken 705
- Locke 718
- Moravia 606, 704
- Ovid 715
- Peruville 522, 733
- South Hill 607, 608, 613, 614
- South Lansing 720, 721
- South Lansing Tap 522
- Spencer 712
- Trumansburg 723, 747
- VanEtten 570
- West Hill 609, 610
- West Danby 530
- Valois 508, 719

- Patrolled, infrared and corrected identified issues on the following Transmission Circuits:
  - Coddington-Montour 982
  - Co. Hospital-Interlaken 555
  - Etna-Clarks Corns 715, 945, 947
  - Etna-Coddington 981, 998
  - Etna-Harford 524
  - Etna-Milliken 974, 975
  - Etna-Stewarts Cor. 522
  - Milliken-Str. 38 521

Lancaster Division

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

LANCASTER PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 1.75)	1.72	1.65	1.65	1.60	1.83
SAIFI (gaol - 1.20)	1.17	0.97	1.07	1.28	0.81
Interruptions	1,314	1,299	1,146	1,404	1,102
Customer Hours	353,536	278,831	309,420	364,500	265,418
Customers Interrupted	205,623	168,887	187,258	227,435	145,296
Customers Connected	175,900	174,987	175,674	178,019	178,340

Lancaster exceeded the CAIDI target and met the SAIFI PSC target in 2012.

Lancaster Performance: CAIDI & SAIFI by PSC cause codes –

LANCASTER DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	7.59	6.37	4.14	6.39	3.07
2	Tree Contacts	2.38	1.78	1.98	1.74	2.22
3	Overloads	1.75	0.84	1.48	0.74	2.55
4	Operational Errors	1.68	0.00	0.28	0.83	1.47
5	Equipment Failures	1.35	1.83	1.23	1.49	1.61
6	Accidents/Non-Utility	1.03	1.36	2.03	1.52	1.99
7	Prearranged	2.02	0.69	0.17	1.16	0.77
8	Customer Equipment	1.54	0.42	1.45	0.76	1.30
9	Lightning	1.78	1.77	2.35	2.00	1.66
10	Unknown	2.48	1.38	1.49	1.77	1.77

LANCASTER DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	1.05	0.64	0.28	0.10	0.29
2	Tree Contacts	0.27	0.25	0.21	0.37	0.07
3	Overloads	0.00	0.01	0.01	0.08	0.00
4	Operational Errors	0.00	0.00	0.00	0.01	0.00
5	Equipment Failures	0.24	0.29	0.34	0.33	0.27
6	Accidents/Non-Utility	0.27	0.23	0.25	0.18	0.32
7	Prearranged	0.01	0.03	0.06	0.01	0.01
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.29	0.15	0.12	0.14	0.06
10	Unknown	0.10	0.01	0.07	0.15	0.08

Lancaster Failed Division Review – exceeded 2012 CAIDI target

Interruption Breakdown by PSC Cause

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	195	17.7%	12,757	8.8%	28,274	10.6%
Overloads	37	3.4%	697	0.5%	1,777	0.7%
Operational Errors	2	0.2%	129	0.1%	189	0.1%
Equipment Failures	353	32.0%	48,610	33.5%	78,198	29.5%
Accidents/Non-Utility	322	29.2%	57,417	39.5%	114,446	43.1%
Prearranged	28	2.5%	1,714	1.2%	1,315	0.5%
Customer Equipment	12	1.1%	63	0.0%	82	0.0%
Lightning	75	6.8%	10,064	6.9%	16,675	6.3%
Unknown	78	7.1%	13,845	9.5%	24,462	9.2%
TOTALS	**1,102**	**100.0%**	**145,296**	**100.0%**	**265,418**	**100.0%**

Summary –

The Lancaster Division in 2012 has exceeded its CAIDI target but met its SAIFI PSC target. The major contributing causes of this failure were Tree Contacts, Equipment Failures, and Accidents/Non-Utility Caused.

In 2011, the Lancaster Division exceeded its SAIFI target. The major contributing cause of the 2011 SAIFI failure was Tree Contacts.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines.
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition.
- Engineering Project begins and new substation transformer will be purchased for installation on Robinson Substation
- Engineering Redesign work scheduled and purchase new substation transformers for Silver Creek Substation
- Upgrade Silver Creek Substation to 12.5kv
- Voltage Conversion for Silver Creek 178 & 179
- Install new cable, terminations, and switchgear to complete phase 4 for Eastern Hills Mall
- Install new switchgear for Transit Street 417
- MGP Remediation - U.G. Circuit exits to be upgraded
- Relocations of back-lot lines to the road
- Add a 2nd circuit for W. Varysburg Sub
- Transfer load to W. Varysburg from Wales Ctr 4.8kV
- Voltage Conversion and/or regulators for Roll Road 529
- Upgrade to 5 MVA Ratio Transformer Roll Rd 545
- New 5th Circuit for Tyler St Substation, take load off Erie 205
- Transfer load to Dick Rd Bank #2 from Dick Rd Bank #1
- Complete install of new breaker and circuit for Davis Road Substation
- Complete install of new breaker and circuit for Roll Road Substation
- Remote Monitoring of Reclosers

- Davis 382 – Pilot program for single-phase reclosers
- Circuits having a SAIFI and/or CAIDI class 2 will be patrolled to their First Protective Device.
- TDIRP:
    - East Aurora 345, 346
    - Ebenezer 361
    - Langner 432
    - Chestnut Ridge 191 (Lockport)
    - Park Ave 120 (Lockport)
    - Vine St 103 (Lockport)
- DPRP:
    - East Aurora 345
    - Hamburg 292, 295
- Pole Replacements:
    - Lancaster – 60 additional L2 poles due in 2013
    - Losson Rd 403
    - Lockport – 11 additional L2 poles due in 2013
    - Locust (Lockport) 151
- Regulator Upgrades:
    - Holland 320
    - Wales 325
    - Mill St (Lockport) 132
- Transmission Upgrades:
    - Line 520 – Pole Replacement
    - Line 525 – Insulator Replacements
    - Line 905 – Replace 115kV Switches
    - Line 921 – Replace 115kV Switch
- Group Operating Switches:
    - Holland 520A (Sardinia)
    - New Gardenville 536
    - Springbrook 495 (Sub exit)
    - Transmission Line 521
    - S. Niagara (Lockport) 201
    - Chestnut Ridge (Lockport) 190
- Fuse Coordination:
    - Armor 373
    - Blossom 312
    - Dick Road 393
    - Java 281
    - Langner 430
- Recloser / Sectionalizer Initiative:
    - Blossom Tap 517
    - Cobble Hill 548A
    - Davis Rd 383
    - Davis Rd Tap 531
    - Erie St 515
    - Girdle Rd 554
    - Jamison Tap 518
    - Lake Ave 482

- Transmission 521
- Roll Rd 512, 524, 529
- Stolle Rd 551

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Holland 520
- Java 280
- Wales Center 325
- Bennington Ctr 446
- Bennington Ctr 445
- Java 281
- Lake Ave 482
- Wales Center 326
- Locust St 150 – Lockport
- Locust St 151 – Lockport

The 2013 planned corrective actions for these circuits are –

Holland 520 –

- Group Operating Switch will be installed
- Sectionalizer Replacement program
- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected

Java 280 –

- Recloser replacement
- Due to lengthy travel time from the office to reach the substation, supplies will now be kept at this remote location.
- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected
- Reconductor and pole replacements

Wales Center 325 –

- Install 2 – 55’ poles
- Install 2 – 328 AMP regulators
- Due to lengthy travel time from the office to reach the substation, supplies will now be kept at this remote location.
- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected

Bennington Ctr 446 –

- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected
- Due to lengthy travel time from the office to reach the substation, supplies will now be kept at this remote location

Bennington Ctr 445 –

- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected
- Due to lengthy travel time from the office to reach the substation, supplies will now be kept at this remote location

Java 281 –

- Fuse coordination
- Recloser replacement
- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected
- Due to lengthy travel time from the office to reach the substation, supplies will now be kept at this remote location

Lake Ave 428 –

- Recloser replacement
- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected
- Circuit was negatively impacted by an act of vandalism in January 2012.

Wales Center 326 –

- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected
- Due to lengthy travel time from the office to reach the substation, supplies will now be kept at this remote location

Locust St 150 (Lockport) –

- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected

Locust St 151 (Lockport) –

- Pole replacement program
- Circuit will be patrolled with infrared on 3-phase distribution lines by April 2013. Issues found will be corrected

Corrective actions undertaken in 2012 to improve the Lancaster Division's reliability performance and to address the 2011 failure of SAIFI include –

- Survey circuits listed above for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or 2.
- Sectionalizers - review circuits and install reclosers in locations.

Vegetation Management in 2012 –

- 349 miles of distribution line tree trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Cemetery Rd 490 –

- Patrolled with infrared and corrected issues found

Dick Rd 537 –

- Patrolled with infrared and corrected issues found

Erie St 205 –

- Completed Fuse Coordination
- Patrolled with infrared and corrected issues found

Java 280 –

- Patrolled with infrared and corrected issues found
- Reconductor & Install Regulators

Losson Rd 402 –

- Patrolled with infrared and corrected issues found

Losson Rd 403 –

- Completed Fuse Coordination
- Patrolled with infrared and corrected issues found

Roll Rd 529 –

- Patrolled with infrared and corrected issues found

Springbrook 495 –

- Patrolled with infrared and corrected issues found

Mill St 130 (Lockport) –

- Patrolled with infrared and corrected issues found

S. Niagara St 201 (Lockport) –

- Patrolled with infrared and corrected issues found

Additional capital and O&M projects completed in 2012 include –

- Eastern Hills Mall – Phase 1, 2, and 3 completed; replace cables & switchgear
- Mill Street Sub – Mobile Transformer Tap Installed
- Completed TDIRP Initiatives:
    - Lave Ave 480 – Recloser
    - Frog Valley 184 – Recloser
    - Line 905 – Pole Replacements
    - Locust St 150 (Lockport) – Recloser
    - Chestnut Ridge 191 (Lockport) – Recloser
    - Secondary open wire replacement work orders
- Fuse Coordination also completed on:
    - Alden 264
    - Bennington 445
    - Cowlesville 451
    - Davis 382C
    - Dick Rd 392
    - East Aurora 342
    - Frog Valley 185

    - Java 281
- Sectionalizers Installed on:
    - Holland 520
    - Stolle 520
    - Stolle 551
- Also patrolled, infrared and corrected identified issues on Blossom 517
- Energy fence installed for Stolle Substation.
- Crossarms and insulators were replaced on Line 552.

Liberty Division

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

LIBERTY PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.50)	2.71	2.61	2.67	2.32	2.34
SAIFI (goal - 1.70)	1.27	1.43	1.48	1.49	1.36
Interruptions	816	785	921	779	845
Customer Hours	176,033	184,655	193,345	170,140	160,485
Customers Interrupted	65,027	70,807	72,359	73,205	68,729
Customers Connected	51,095	49,343	48,728	49,059	50,486

Liberty met both the CAIDI and SAIFI PSC targets in 2012.

Liberty Performance: CAIDI & SAIFI by PSC cause codes –

LIBERTY DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	15.38	3.52	8.75	14.50	34.71
2	Tree Contacts	3.08	2.96	3.26	2.65	2.84
3	Overloads	1.91	5.55	3.25	2.27	3.80
4	Operational Errors	0.00	0.00	0.31	0.00	3.50
5	Equipment Failures	2.37	2.42	2.13	1.77	3.30
6	Accidents/Non-Utility	2.15	1.86	2.09	3.00	2.13
7	Prearranged	1.86	2.01	1.64	0.38	0.33
8	Customer Equipment	2.56	2.31	7.33	1.81	1.70
9	Lightning	3.02	2.81	2.49	2.65	2.50
10	Unknown	2.39	2.98	2.37	1.86	2.55

LIBERTY DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	1.07	0.38	1.60	2.53	2.33
2	Tree Contacts	0.59	0.49	0.67	0.59	0.29
3	Overloads	0.01	0.00	0.02	0.09	0.02
4	Operational Errors	0.00	0.00	0.03	0.00	0.00
5	Equipment Failures	0.25	0.37	0.26	0.27	0.14
6	Accidents/Non-Utility	0.19	0.21	0.18	0.29	0.45
7	Prearranged	0.02	0.04	0.01	0.11	0.13
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.10	0.27	0.14	0.07	0.27
10	Unknown	0.12	0.04	0.18	0.07	0.06

Liberty Division Review –

Interruption Breakdown by PSC Cause

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	299	35.4%	14,419	21.1%	41,020	25.6%
Overloads	40	4.7%	917	1.3%	3,486	2.2%
Operational Errors	1	0.2%	2	0.0%	7	0.0%
Equipment Failures	69	8.2%	6,818	9.9%	22,496	14.0%
Accidents/Non-Utility	269	31.8%	23,045	33.5%	49,128	30.6%
Prearranged	17	2.0%	6,726	9.8%	2,224	1.3%
Customer Equipment	7	0.8%	20	0.0%	34	0.0%
Lightning	68	8.0%	13,595	19.8%	33,971	21.2%
Unknown	75	8.9%	3,187	4.6%	8,120	5.1%
TOTALS	**845**	**100.0%**	**68,729**	**100.0%**	**160,486**	**100.0%**

Summary –

The Liberty Division in 2012 has met its CAIDI target and its SAIFI PSC targets.

In 2011, the Liberty Division met its CAIDI target and its SAIFI PSC target.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines.
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition.
- Relocations of back-lot lines to the road.

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Hilldale 225
- Maplewood 229
- Old Falls 283
- Walden 359

The 2013 planned corrective actions for these circuits are –

Hilldale 225 –

- Create a tie-line on Brophy Road, T/Fallsburg. This tie-line will include the installation of 3 new poles to create the tie but will allow for the removal of 11 poles that are off road, inaccessible, and some that are rotted.
- Several poles will be targeted for replacement under the Distribution Pole Replacement Program.

Maplewood 229 –

- Several poles will be targeted for replacement under the Distribution Pole Replacement Program on Harris Road and Old Route 17, T/Maplewood.

Old Falls 283 –

- On Michigan Road (Town of Fallsburg) replace approximately 50 poles under the Distribution Pole Replacement Program that have been determined to be defective. Approximately 5000 ft of conductor has been identified to be in need of replacement along this same line due to its small size (#6cu). This small conductor is currently overloaded and has several splices in it.
- On Budd Road (Town of Fallsburg) replace approximately 47 poles under the Distribution Pole Replacement Program that have been determined to be defective. 2 key areas of this line have also been identified to be relocated to the road. The existing line is small conductor (#6cu) and inaccessible to line trucks

Walden 359 –

- Create a tie-line on East Searlesville Road, Town of Walden, to eliminate roughly 1500 ft of line that is off road and inaccessible to line trucks. This existing line has several rotted poles and #6cu conductor which is under sized and in need of replacement.
- Several poles will be targeted for replacement under the Distribution Pole Replacement Program.

Vegetation Management in 2012 –

- 204 miles of distribution line tree trimming was completed
- Clearing was performed on 51 miles of transmission right-of-way

Corrective actions taken on the 2011 worst performing circuits include –

Walden 359 –

- Circuit reviewed for animal protection - installed where needed
- DLI patrols and deficiencies addressed
- Zone 1 patrols (Including infrared) and deficiencies addressed
- 6 DPRP (Dist. Pole Replacement Program) orders created for pole replacement

Hilldale 225 –

- Circuit reviewed for animal protection - installed where needed
- DLI patrols and deficiencies addressed
- Zone 1 patrols (Including infrared) and deficiencies addressed

Callicoon 285 –

- Circuit reviewed for animal protection - installed where needed
- DLI patrols and deficiencies addressed
- Zone 1 patrols (Including infrared) and deficiencies addressed
- 2 DPRP (Dist. Pole Replacement Program) orders created for pole replacement

Old Falls 288 –

- 6 Reliability work orders completed in the amount of $500k
- Circuit reviewed for animal protection - installed where needed
- DLI patrols and deficiencies addressed
- Zone 1 patrols (Including infrared) and deficiencies addressed

Additional capital and O&M projects completed in 2012 include –

- Survey circuits for vegetation hotspots in zone 1
- Line Inspections – 10,900 poles were inspected in the Liberty Division. 172 repairs were made which were found during this line inspection.
- Completed $215k in pole replacement work orders.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone
- Review Planned Interruptions - reviewed all planned interruption identifying ways to shorten duration and minimize customers affected.
- Animal Guards/Fence – Installed at the Roscoe and Maplewood Substations.
- Completed infrared studies at all substation locations. 12 locations were detected to have hot-spots. All were repaired.
- Relay testing was completed on 143 Substation Relays
- Completed Doble Testing on 43 pieces of Substation Equipment
- DPRP pole replacements were completed on the following –
    - Liberty 144
    - Callicoon 385
    - Jeffersonville 110, 111, 122
    - Old Falls 288
    - Several other poles were replaced on other circuits due to DLI (Distribution Line Inspection) program.

Mechanicville Division

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

MECHANICVILLE PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.00)	1.93	2.41	2.40	2.33	1.71
SAIFI (goal - 1.40)	0.87	1.21	1.02	1.52	1.20
Interruptions	663	781	699	736	598
Customer Hours	78,319	137,060	114,951	167,651	96,700
Customers Interrupted	40,601	56,893	47,952	72,077	56,606
Customers Connected	46,922	46,986	47,200	47,397	47,223

Mechanicville met both the CAIDI and SAIFI PSC targets in 2012.

Mechanicville Performance: CAIDI & SAIFI by PSC cause codes –

MECHANICVILLE DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	26.37	2.16	8.07	8.75	8.37
2	Tree Contacts	2.46	2.49	2.53	2.10	2.29
3	Overloads	2.71	0.78	3.02	5.67	2.21
4	Operational Errors	0.00	2.60	1.13	1.33	0.00
5	Equipment Failures	1.60	2.46	1.96	1.53	1.43
6	Accidents/Non-Utility	1.58	1.71	2.88	3.50	1.65
7	Prearranged	2.38	2.01	2.29	4.07	0.94
8	Customer Equipment	1.75	2.17	2.25	3.42	2.45
9	Lightning	1.59	2.23	2.34	2.43	2.25
10	Unknown	1.70	2.53	1.13	2.90	1.33

MECHANICVILLE DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	3.43	0.46	1.41	1.79	1.11
2	Tree Contacts	0.28	0.34	0.36	0.42	0.15
3	Overloads	0.00	0.00	0.02	0.01	0.01
4	Operational Errors	0.00	0.00	0.00	0.00	0.00
5	Equipment Failures	0.28	0.40	0.23	0.53	0.38
6	Accidents/Non-Utility	0.20	0.09	0.29	0.35	0.51
7	Prearranged	0.06	0.01	0.00	0.01	0.00
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.03	0.06	0.05	0.17	0.11
10	Unknown	0.01	0.30	0.08	0.04	0.04

Mechanicville Division Review –

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	205	34.3%	6,850	12.1%	15,696	16.2%
Overloads	13	2.2%	621	1.1%	1,375	1.4%
Operational Errors	0	0.0%	0	0.0%	0	0.0%
Equipment Failures	103	17.3%	17,723	31.3%	25,306	26.2%
Accidents/Non-Utility	193	32.3%	23,823	42.1%	39,351	40.7%
Prearranged	2	0.3%	217	0.4%	203	0.2%
Customer Equipment	8	1.3%	22	0.0%	54	0.1%
Lightning	54	9.0%	5,378	9.5%	12,085	12.5%
Unknown	20	3.3%	1,972	3.5%	2,628	2.7%
TOTALS	**598**	**100.0%**	**56,606**	**100.0%**	**96,698**	**100.0%**

Summary –

The Mechanicville Division in 2012 has met its CAIDI target and its SAIFI PSC targets.

In 2011, the Mechanicville Division exceeded its CAIDI target and its SAIFI target. The major contributing causes of the 2011 CAIDI and SAIFI failure were Tree Contacts, Equipment failures, and Accident/Non-Utility Caused.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition
- Relocations of back-lot lines to the road

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Craryville 610
- Raylinski Tap 606
- Coons Crossing 607

The 2013 planned corrective actions for these circuits are –

Craryville 610 –

- The majority of customer hours of interruptions were from defective equipment and tree contact. Equipment failures were addressed at the time of the incident and reported for further failure analysis through the defective equipment report. Tree trimming was performed as needed and 50 miles will be trimmed in 2013 as part of the 3 year trimming cycle for 35 kV. A 35 kV electronic recloser is scheduled for installation as equipment becomes available to further sectionalize the circuitry during interruptions.

Raylinski Tap 606 –

- A majority of customer hours of interruption were caused by lightning, defective equipment and causes outside the utility's control. Lightning protection was reviewed and appropriate remedial action was taken. Defective equipment was addressed at the time of the incidents and reported for further failure analysis through the defective equipment report. A pole damaged by a motor accident was replaced when it occurred. In addition 27 miles of circuit will be trimmed in 2013 as part of the 3 year trimming cycle for 35 kV.

Coons Crossing 607 –

- A majority of customer hours of interruption were caused by a single incident outside the utility's control when mylar balloons became entangled between phase conductors. The balloons were removed, repairs completed and customers restored. No further action was required. In addition 10 miles of line was trimmed as part of the 3 year cycle trim program for 35 kV circuits.

Corrective actions undertaken in 2012 to improve the Mechanicville Division's reliability performance and to address the 2011 failure of CAIDI and SAIFI include –

- Equipment – Defective equipment reports were completed with manufacturer details for trending.
- Trees – Locations checked for hot spot trimming performed by line resources for smaller jobs or by tree contractors for larger jobs.
- Accidents – Poles were relocated to new location outside of harm's way if feasible and/or reflective tape is installed on poles due to accidents. Loss of supply from foreign utility also in this category.

Vegetation Management in 2012 –

- 228 miles of distribution line tree trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Stephentown 622 –

- Installed animal guards along distribution lines, completed 37 miles of tree trimming, performed infra-red testing and repairs, completed distribution patrol, and replaced defective cross arms and insulators as found. A three phase recloser is scheduled to be installed in 2013.

Raylinski 606 –

- Completed fuse coordination and installed fuses on spur lines, installed animal guards along the lines, replaced poles and conductor as part of Mechanicville Reinforcement Project. Installed fusing on single phase spur lines to minimize customers interrupted.

Coons Crossing 607 –

- Installed animal guards along distribution lines, performed infra-red testing and repairs, completed distribution patrol, and replaced defective cross arms and insulators as found. Replaced poles and conductor as part of Mechanicville Reinforcement Project. In addition 10 miles of line were trimmed as part of the 3 year cycle trim program for 35 kV circuits.

Additional capital and O&M projects completed in 2012 include –

- Mechanicville Reinforcement Project, Construct New Luther Forest Substation
- Constructed, rebuilt and converted 10 miles of 35 k three phase circuitry.
- Klinekill – Valkin, New 115 kV Transmission Line (design and permitting in 2012)
- Klinekill 630 - substation breaker overhaul
- Stephentown Substation, New Transformer (design 2012, in service 2014)
- Division responded to 14 minor and 6 major storms.
- Helicopter patrol of Transmission facilities for vegetation and after every major storm.
- Doble Testing in May.
- Stillwater 215 -- Conversion to 12kv (design 2012)
- Wynantskill Tap 416 -- Load study & rebalance (design 2012)
- TDIRP
    - West Sand Lake Tap 614 — 1 pole
    - Mechanicville 410 — 3 poles, 4 spans secondary
    - Crooked Lake 613 — 2 poles, 1 span secondary
    - Craryville 610 — 3 poles, 3 switch replacements
    - Granville-Salem Tap 625 — 1 poles, 10 spans primary
    - Granville 301 — 10 poles, 11 spans primary
- DPRP
    - Canaan 145 — 7 poles, 8 spans primary
    - Salem 175 — 7 poles, 8 spans primary
    - Rutland 131 — 1 pole
    - Chatham 156 — 2 poles
- Recloser Initiatives
    - Craryville 610 — 3 phase planned
    - Crellin Tap 615 — 3 phase planned
    - Crooked Lake Tap 613 — 3 phase planned
    - Klinekill 630 — 3 phase completed
    - Stephentown 622 — 3 phase planned

Oneonta Division

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

ONEONTA PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.50)	2.75	2.72	2.76	2.40	2.78
SAIFI (goal - 1.00)	1.03	0.94	0.80	0.94	0.77
Interruptions	1,381	1,319	1,298	1,290	1,173
Customer Hours	258,617	233,907	202,099	206,973	195,771
Customers Interrupted	94,138	86,027	73,176	86,293	70,445
Customers Connected	91,417	91,436	91,626	91,547	91,280

Oneonta exceeded the PSC CAIDI target but met the SAIFI target in 2012.

Oneonta Performance: CAIDI & SAIFI by PSC cause codes –

ONEONTA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	13.11	0.00	6.31	30.16	10.26
2	Tree Contacts	3.25	3.48	3.23	2.53	3.00
3	Overloads	2.34	1.88	2.10	2.97	2.51
4	Operational Errors	0.79	0.32	0.72	0.86	2.17
5	Equipment Failures	2.73	3.21	1.51	2.53	2.78
6	Accidents/Non-Utility	3.17	1.70	4.56	2.01	2.85
7	Prearranged	1.40	2.10	3.99	1.56	0.78
8	Customer Equipment	1.61	3.95	2.47	1.85	1.85
9	Lightning	2.49	1.70	2.37	2.47	2.88
10	Unknown	1.26	1.68	2.25	1.62	1.69

ONEONTA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.66	0.00	0.36	1.26	0.28
2	Tree Contacts	0.46	0.34	0.32	0.40	0.17
3	Overloads	0.00	0.00	0.00	0.01	0.00
4	Operational Errors	0.00	0.00	0.01	0.00	0.00
5	Equipment Failures	0.18	0.23	0.21	0.26	0.16
6	Accidents/Non-Utility	0.08	0.14	0.10	0.12	0.26
7	Prearranged	0.05	0.01	0.02	0.02	0.01
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.15	0.15	0.10	0.09	0.13
10	Unknown	0.10	0.07	0.03	0.04	0.04

Oneonta Failed Division Review – exceeded 2012 CAIDI target

Interruption Breakdown by PSC Cause

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	392	33.4%	15,663	22.2%	47,065	24.0%
Overloads	34	2.9%	215	0.3%	540	0.3%
Operational Errors	2	0.2%	18	0.0%	39	0.0%
Equipment Failures	163	13.8%	14,854	21.2%	41,320	21.1%
Accidents/Non-Utility	311	26.5%	22,549	32.0%	64,247	32.8%
Prearranged	10	0.9%	1,004	1.4%	788	0.4%
Customer Equipment	10	0.9%	13	0.0%	24	0.0%
Lightning	133	11.3%	12,125	17.2%	34,969	17.9%
Unknown	118	10.1%	4,004	5.7%	6,779	3.5%
TOTALS	**1,173**	**100.0%**	**70,445**	**100.0%**	**195,771**	**100.0%**

Summary –

The Oneonta Division in 2012 has exceeded its CAIDI target but met its SAIFI PSC target. The major contributing causes of this failure are Tree contacts, Equipment failures, and Accident/Non-Utility Caused.

In 2011, the Oneonta Division met its CAIDI target and its SAIFI targets.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines.
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition.
- Relocations of back-lot lines to the road.

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Milford 258
- East Norwich 515
- Milford 227
- West Winfield 260
- Hancock 216
- Axtell Rd 511
- Deposit 109
- Windham 239
- Earlville 227

The 2013 planned corrective actions for these circuits are –

<u>Milford 258</u> –

- Rebuilding approximately 2 miles of line that is subjected to several outages by replacing defective poles, replacing small conductor and completing tree clearing.
- Several poles will be targeted for replacement under the Distribution Pole Replacement Program.

East Norwich 515 –

- Relocate 34.5kV to 8.32kV step bank on Cumber Rd, Town of Plymouth to a more accessible location. The current bank is inaccessible and is leaking.
- A Scada-mate switch project is proposed for this circuit to install several throughout the circuit to allow for remote switching. The proposed project is budgeted at $500k.
- Line relocation on County Route 16, Town of Plymouth. This project proposes relocating off road construction to a more assessable area.

Milford 227 –

- Replace ½ mile of #4cu primary along State Route 28 in the T/Hartwick. This line is a small conductor that has been subject to outages in the past due to its brittleness and small size. It has many splices in it as well.
- Replace approximately 30 poles along County Route 35, T/Hartwick, that have been identified for replacement under the Distribution Pole Replacement Program.

West Winfield 260 —

- Several poles will be targeted for replacement under the Distribution Pole Replacement Program.
- Create a tie-line along Billy Crush Road, T/Burlington. The existing line to be eliminated is off road and was constructed in 1954.
- Create a tie-line along Vidler Road, T/Brookfield. This will eliminate 7 spans

Hancock 216 –

- Line relocation along route 17. This project will relocate 17 spans along a state highway which is subjected to numerous outages and is also inaccessible to line trucks.
- Construct a tie-line between Hancock 216 and Roscoe 287. This project is estimated at $1m and includes reconductoring of 1.5 miles of line and installing automated switching.

Axtell Rd 511 –

- The DLI inspections have identified 7 poles to be replaced on this circuit.

Deposit 109 –

- The DLI inspections have identified 20 poles to be replaced on this circuit.
- Relocate and rebuild line along State Highway 41, T/Hancock. This particular section of line was built in 1933 and consists of small #4cu conductor and undersized poles; several of which are rotted.
- Create a tie-line on Lord Road, T/Sanford, which will allow for the removal of roughly 3700’ of off-road, inaccessible and heavily wooded line. The new line will be approximately 2300’ in length to allow for the elimination of the previous.

Windham 239 –

- Targeting the replacement of 20 poles, or more, that have been identified to be replaced under the Distribution Pole Replacement Program. These poles are on the main 3-phase line shortly outside the substation and serve the majority of the customers on this circuit.

Earlville 227 –

- Create a tie-line along Mordas Road, T/Columbus. This will eliminate 7 spans of off-road construction built in 1947.
- Rebuild and relocate L-787 along South Hamilton Road, T/Hamilton. This line is located off road, has extremely long spans and is heavily wooded.
- Several poles will be targeted for replacement under the Distribution Pole Replacement Program.

Vegetation Management in 2012 –

- 329 miles of distribution line tree trimming was completed.
- Clearing was performed on 914 acres of transmission rights-of-way.

Corrective actions taken on the 2011 worst performing circuits include –

Milford 258 –

- New Distribution Recloser Installation
- Defective Station Regulator Replaced
- Circuit reviewed for animal protection - installed where needed
- DLI patrols and deficiencies addressed
- Zone 1 patrols (Including infrared) and deficiencies addressed
- Several poles were replaced under the DPRP program

East Norwich 515 –

- Hot Spot trimming
- Defective Recloser Replaced on Route 23 just outside of Norwich
- Several poles were replaced under the DPRP program
- 2 DPRP (Distribution Pole Replace Program) orders completed
- New Recloser install

Hancock 216 –

- Cycle Trim – 134 miles of 15kv distribution were trimmed
- 5 TDIRP work orders were completed to improve circuit reliability
- Several poles were replaced under the DPRP program
- Defective Regulators were replaced
- Circuit fuse coordination

Earlville 225, 226 &227 –

- Hot Spot trimming
- Zone 1 inspections – all deficiencies corrected
- DLI inspection completed and deficiencies addressed

Arkville 230 –

- Hot Spot trimming
- Defective regulator replaced on Bragg Hollow, T/Middleton
- Zone 1 inspections – all deficiencies corrected
- DLI inspection completed and deficiencies addressed

Windham 240 –

- Hot Spot trimming (25 miles)
- Circuit reviewed for Animal protection and installed where needed
- 2 DPRP (Distribution Pole Replace Program) orders completed
- DLI inspection completed and deficiencies addressed

Shandaken 501 –

- Hot Spot trimming (86 spans)
- 2 DPRP (Distribution Pole Replace Program) orders completed
- DLI inspection completed and deficiencies addressed
- Several poles replaced during storm restoration

Additional capital and O&M projects completed in 2012 include –

- Survey circuits for vegetation hotspots in zone 1.
- Line Inspections – 24,500 poles were inspected in the Oneonta Division. 1059 repairs were made which were found during this line inspection.
- Completed $1M in pole replacement work orders.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone.
- Review Planned Interruptions - reviewed all planned interruption identifying ways to shorten duration and minimize customers affected.
- Animal Guards/Fence – Electric fence installed at the Earlville and Bellayre Substations.
- New transformer foundations installed at West Street and Bainbridge Substations as existing ones were in poor condition. Transformers were also replaced at these locations due to insulation breakdown in the windings – found during oil samplings.
- Substation surge arrestors upgraded at the following stations – Waterville, Windham, Bellayre, Railroad Street and Otego.
- Completed infrared studies at all 66 substation locations. All detected hot-spots were repaired.
- Completed Doble Testing on 722 pieces of Substation Equipment.
- DPRP pole replacements were completed on the following –
    - Otego 200
    - Unadilla 022
    - Grand Gorge 245
    - Hancock 216
    - Several other poles were replaced on other circuits due to DLI (Distribution Line Inspection) program.

Plattsburgh Division

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

PLATTSBURGH PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 1.75)	1.78	1.54	1.67	1.97	1.63
SAIFI (goal - 1.70)	1.17	1.33	1.41	1.44	1.56
Interruptions	593	636	680	678	721
Customer Hours	84,787	83,362	96,671	116,853	104,640
Customers Interrupted	47,525	54,273	57,970	59,291	64,055
Customers Connected	40,744	40,849	41,052	41,034	41,034

Plattsburgh met both the CAIDI and SAIFI PSC targets in 2012.

Plattsburgh Performance: CAIDI & SAIFI by PSC cause codes –

PLATTSBURGH DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	7.89	1.83	3.23	17.59	4.06
2	Tree Contacts	2.55	2.35	2.36	2.67	2.27
3	Overloads	2.20	2.17	0.47	1.27	0.99
4	Operational Errors	0.00	0.27	2.82	4.00	0.00
5	Equipment Failures	1.72	1.51	1.12	1.52	1.28
6	Accidents/Non-Utility	1.30	1.23	1.38	1.77	1.76
7	Prearranged	2.14	1.47	1.24	1.28	1.25
8	Customer Equipment	2.44	1.34	2.00	2.27	1.89
9	Lightning	2.27	1.35	1.93	2.77	2.56
10	Unknown	1.37	1.18	1.40	1.29	0.78

PLATTSBURGH DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	1.76	0.56	1.31	1.46	0.22
2	Tree Contacts	0.26	0.34	0.44	0.39	0.25
3	Overloads	0.00	0.00	0.01	0.00	0.03
4	Operational Errors	0.00	0.03	0.00	0.00	0.00
5	Equipment Failures	0.32	0.15	0.28	0.42	0.20
6	Accidents/Non-Utility	0.32	0.42	0.34	0.30	0.54
7	Prearranged	0.01	0.03	0.03	0.02	0.02
8	Customer Equipment	0.00	0.00	0.00	0.00	0.06
9	Lightning	0.08	0.14	0.10	0.13	0.14
10	Unknown	0.17	0.22	0.22	0.18	0.32

Plattsburgh Division Review –

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	206	28.6%	10,424	16.3%	23,626	22.6%
Overloads	21	2.9%	1,392	2.2%	1,380	1.3%
Operational Errors	0	0.0%	0	0.0%	0	0.0%
Equipment Failures	103	14.3%	7,885	12.3%	10,131	9.7%
Accidents/Non-Utility	201	27.8%	22,322	34.7%	39,223	37.5%
Prearranged	10	1.4%	760	1.2%	949	0.9%
Customer Equipment	8	1.1%	2,603	4.1%	4,913	4.7%
Lightning	82	11.4%	5,558	8.7%	14,211	13.6%
Unknown	90	12.5%	13,111	20.5%	10,206	9.7%
TOTALS	**721**	**100.0%**	**64,055**	**100.0%**	**104,639**	**100.0%**

Summary –

The Plattsburgh Division in 2012 has met its CAIDI target and its SAIFI PSC targets.

In 2011, the Plattsburgh Division exceeded its CAIDI target. The major contributing causes of the 2011 CAIDI failure were Tree Contacts and Equipment Failures.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines
- Replacing distribution equipment such as reclosers, sectionalizers, regulators, poles and conductors identified based on age and condition
- Relocations of back-lot lines to the road

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 154] –

- Blue Mt Lake 504
- Chateaugay 513
- Lyon Mt 510

The 2013 planned corrective actions for these circuits are –

Blue Mt. Lake 504 –

- A majority of customer hours of interruption were caused by tree contact. Selected areas were trimmed as problems were identified. This circuit is scheduled for circuit tree trimming in 2015. Fuse coordination is up to date to minimize the number of customers affected during an interruption. In addition defective equipment problems were addressed at the time of occurrence and defective equipment reports submitted for further evaluation.

Chateaugay 513 –

- A majority of customer hours of interruption were caused by tree contact. 20 miles of this circuit were trimmed during 2012. In addition a recloser was installed in 2012 to further sectionalize this circuit. Defective poles were replaced as they were identified.

Lyon Mt 510 –

- A majority of interruptions were the result of tree contact and equipment failure. As a result of scheduled tree trimming 34 miles of line were trimmed in 2012. Fuse coordination is up to date. Defective equipment was repaired, or replaced at the time of failure. Defective equipment reports were prepared for further analysis. In addition the circuit was patrolled and inspected using infra-red equipment and any equipment issues were corrected at that time.

Corrective actions undertaken in 2012 to improve the Plattsburgh Division's reliability performance and to address the 2011 failure of CAIDI include –

- Equipment – Defective equipment reports were completed with manufacturer details for trending.
- Trees – Locations checked for hot spot trimming performed by line resources for smaller jobs or by tree contractors for larger jobs.
- Accidents – Poles were relocated to new location outside of harm's way if feasible and/or reflective tape is installed on poles due to accidents. Loss of supply from foreign utility also in this category.

Vegetation Management in 2012 –

- 211 miles of distribution line tree trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Blue Mountain Lake 504 –

- Distribution patrol and infrared inspection were completed and repairs made as deficiencies were identified. Tree trimming at select locations was completed. Further trimming is scheduled for 2015.

Sciota Flat Rock 517 –

- Distribution patrol and infrared inspection were completed and repairs made as deficiencies were identified. Tree trimming of 39 miles of this circuit was completed. 11 defective poles were replaced and a fuse coordination update was completed.

Harris Lake 424 –

- Distribution patrol and infrared inspection were completed and repairs made as deficiencies were identified. 8 defective poles and five spans of primary were replaced. Defective insulators were replaced as opportunities were available.

Additional capital and O&M projects completed in 2012 include –

- Tom Miller Rd - New Substation (design 2012, in service 2013)
- Harris Lake – Source Upgrade (design 2012)
- Helicopter patrol of Transmission facilities in August.
- Animal protection and wire guards near Osprey nests
- Animal Fences completed at Cabots, Masons Corners, Norton and South Junction Substations, along with distribution line animal guards.
- Annual Infrared Testing was completed in March 2012 at 36 substations and no (0) - Priority 1, one (1) - Priority 2, three (3) - Priority 3 and eight (8) - Priority 4 hotspots were identified and were either repaired in 2012 or are scheduled for repair during the next scheduled outage. 27 substations did not have any hotspots identified.

- Substation Equipment Relay Testing completed: 446 completed of 446 scheduled (100%) for non-bulk power; no (0) scheduled for NPCC/bulk power.
- Substation Equipment Doble Testing completed: all 140 items as scheduled
- Patrolled the division's circuits that were included on the Op Co's Worst Performing Top
    - 200 List – patrolled Zone 1 and addressed deficiencies.
- DLI program – 20% of division was reviewed (transmission/distribution/URD) and
    - deficiencies repaired and addressed.
- Sciota-Flatrock 517 – fuse coordination.
- Stickney Bridge 210 – regulator replacement.
- Peru 426 / 427 – tie point created (improvements made on Union Rd / Jarvis Rd).
- TDIRP
    - South Junction 466 — 1 pole, 3 spans primary
    - South Junction 467 — 2 poles, 6 spans primary
    - Cabot Mine 413 — 3 poles, 4 spans primary
    - Cabot Mine 414 — 3 poles, 4 spans primary
    - Jay 502 — Switch replacement
    - Mill C 125 — 7 poles, 8 spans primary
    - Hyde 417 — 2 poles and 3 spans primary
    - Limestone 470 — 1 pole and 2 spans secondary
    - Harris Lake 424 — 8 poles, 5 spans primary
    - Peru 426/427 — 35 Poles, 45 spans primary
    - Lyon Mtn 510 — 16 poles, 17 spans primary
- DPRP
    - Chateaugay 513 — 2 poles
    - Chateaugay 514 — 11 poles
    - Stickney Bridge 210 — 4 poles
    - Sciota-Flatrock 517 — 11 poles
    - Jay 411 — 3 poles
    - Norton 420 — 2 poles
    - Cabot Mine 413 — 3 poles
    - Hammond Lane 430 — 1 pole
    - Banker 438 — 1 pole
    - Woodruff Pond 460 — 2 poles
    - Mason Corners 451 — 1 pole
- Recloser Initiatives
    - Chateaugay 513
    - Jay 502

Section 3. Reliability Programs

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

Reliability Program Actuals	2008	2009	2010	2011	2012
Oper Superv & Eng	$ 1,621,915	$ 1,685,634	$ 1,483,162	$ 1,506,254	$ 1,790,106
Load Dispatching	$ -	$ -	$ -	$ -	$ -
Station Expenses	$ 3,508,796	$ 4,124,785	$ 3,413,807	$ 4,300,032	$ 4,565,558
Overhead Line Expense	$ 652,927	$ 758,763	$ 796,096	$ 908,845	$ 277,449
Transmission of Elec	$ 6,152,712	$ 7,260,790	$ 9,647,360	$ 9,650,875	$ 9,648,218
Misc. Transmission Expenses	$ 2,450,827	$ 3,317,720	$ 2,677,025	$ 3,149,531	$ 2,936,320
Oper Superv & Eng	$ 7,029,266	$ 7,935,903	$ 7,699,559	$ 6,782,720	$ 5,909,898
Station Expenses	$ 4,234,126	$ 4,911,219	$ 3,856,294	$ 3,942,086	$ 4,282,080
Overhead Line Expense	$ 9,568,647	$ 8,008,873	$ 6,782,405	$ 15,363,961	$ 13,732,741
Underground Line Expenses	$ 1,948,555	$ 2,643,966	$ 226,391	$ 2,588,738	$ 2,352,075
Street Light & Sign	$ 406,181	$ 94,575	$ 126,890	$ 135,001	$ 80,644
Meter Expense	$ 6,900,640	$ 7,154,356	$ 8,319,864	$ 7,442,748	$ 9,319,696
Customer Installation Expenses	$ 1,547,850	$ 774,130	$ 673,846	$ 643,566	$ 2,751,616
Misc. Distribution Expenses	$ 10,073,259	$ 11,296,878	$ 10,266,792	$ 12,225,716	$ 11,688,970
Maint Superv & Eng	$ 755,579	$ 869,914	$ 834,311	$ 598,464	$ 499,622
Maintenance of Structures	$ 472,411	$ 767,444	$ 679,420	$ 608,730	$ 479,428
Maintenance Station Expenses	$ 2,639,403	$ 2,154,896	$ 1,746,658	$ 1,804,717	$ 1,634,816
Maint. Overhead Line Expense	$ 7,574,057	$ 8,812,459	$ 8,610,758	$ 11,260,650	$ 9,264,571
Maint Underground	$ 14,632	$ 7,557	$ 16,634	$ 65,336	$ 32,998
Maint Superv & Eng	$ 7,551,196	$ 9,720,290	$ 14,126,622	$ 16,316,768	$ 15,555,315
Maintenance of Structures	$ 238,597	$ 443,522	$ 258,833	$ 190,190	$ 196,449
Maintenance Station Equipment	$ 2,758,376	$ 3,175,427	$ 2,409,288	$ 6,141,312	$ 4,144,926
Maint Overhead Line	$ 71,450,497	$ 50,633,838	$ 64,676,810	$ 124,969,676	$ 133,517,234
Maint of Underground	$ 1,592,856	$ 1,693,228	$ 1,468,960	$ 1,919,615	$ 2,008,982
Maint of Line Transformers	$ 814,555	$ 546,929	$ 838,324	$ 2,226,521	$ 2,402,712
Maint Street Light	$ 2,068,393	$ 2,516,539	$ 1,941,540	$ 2,035,542	$ 1,853,022
Maint of Misc Distr	$ (34,886,645)	$ (2,378,836)	$ 466	$ 397	$ -

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 Safety Order, NYSEG has 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 Safety 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 program is an effort undertaken in each Division on an annual basis. Inspectors perform a visual assessment to identify the overall condition of the structure, the need to replace lamps and photo-eyes, and open the handhole to inspect the internal wiring. In conjunction with this maintenance program, the fixture is also inspected for various other conditions. NYSEG inspects 20% of their streetlights annually.

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. NYSEG inspects 20% of their underground assets annually.

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. NYSEG is required to visually inspect 20% of all distribution assets annually.

NYSEG also conducts bi-monthly inspections of all 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.

Transmission

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

NYSEG is required to visually inspect 20% of all transmission circuits annually within their respective division.

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. 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 is determined by examining the total number of assets to be inspected by asset type (streetlight, distribution pole, transmission pole, underground structure…etc…) in each division and applying a 20% levelization factor to each to ensure equal amount of inspections are taking place annually throughout the company for the 5 cycle. Once established, the plan will remain unchanged with only small modifications to include any added or removed assets that take place.

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 and Level IV 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, Level III, and Level IV 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 costs of these programs are not directly tracked.

Underground Manhole and Handhole Inspection Program

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

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

Transmission/Distribution Switch Inspection and Maintenance Program

Lubricate, adjust, exercise and repair as needed on the transmission, sub-transmission and distribution system disconnect switches and isolation devices.

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: Replaced as needed with Capital

Distribution Switchgear Inspection and Maintenance Program

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

Wood Pole Inspection and Maintenance Program

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

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

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: As needed.

Corona Detection Program

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

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

Overhead Transmission Aerial Inspection and Maintenance Program

The objective of this program is to perform proactive and predictive maintenance on 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 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.

Electric Substation Battery Maintenance Program

The Maintenance of substation batteries includes routine inspections, battery resistance testing and battery replacements where required. All substation batteries are inspected periodically. Discharge tests are performed on bulk power transmission stations as per NPCC intervals.

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

Network Maintenance Program

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 a portion of NYSEG's commercial and industrial customers.

Program Cycle: Annual

Distribution Pad Mount Transformer Maintenance Program

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

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

The objective of the distribution forestry 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: Varies by voltage class

Gas and Electric Transmission ROW Management Program

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

The objective of this program is to fly the transmission and subtransmission 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: 2 times per year

Line Recloser/Sectionalizer Maintenance Program

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: Replaced as needed on Capital

Substation Transformer Maintenance Program

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/redefining).

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

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

Electrical System Protection Maintenance Program

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

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

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

System Fault Indicators

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

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)
(Reporting in $000)

	2008	2009	2010	2011	2012	5 Year Total
Budget	$5,600	$0	$5,900	$13,000	$17,500	$42,000
Actuals	$6,819	$1,621	$29,729	$29,473	$11,272	$78,914

2012 TDIRP Main Project Categories (Distribution System Only)

Category	Description	Actuals
Pole and Conductor Replacements	Replace outdated and undersized pole and conductor	$9,926
Recloser Installations	Install at new locations, replace old units	$886
Electric Services	Replace open wire services	$460

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	2008	2009	2010	2011	2012
Oper Superv & Eng	$ 1,621,915	$ 1,685,634	$ 1,483,162	$ 1,506,254	$ 1,790,106
Load Dispatching	$ -	$ -	$ -	$ -	$ -
Station Expenses	$ 3,508,796	$ 4,124,785	$ 3,413,807	$ 4,300,032	$ 4,565,558
Overhead Line Expense	$ 652,927	$ 758,763	$ 796,096	$ 908,845	$ 277,449
Transmission of Elec	$ 6,152,712	$ 7,260,790	$ 9,647,360	$ 9,650,875	$ 9,648,218
Misc. Transmission Expenses	$ 2,450,827	$ 3,317,720	$ 2,677,026	$ 3,149,531	$ 2,936,320
Oper Superv & Eng	$ 7,029,266	$ 7,935,903	$ 7,699,559	$ 6,782,720	$ 5,909,898
Station Expenses	$ 4,234,126	$ 4,911,219	$ 3,856,294	$ 3,942,086	$ 4,282,080
Overhead Line Expense	$ 9,568,647	$ 8,008,873	$ 6,782,405	$ 15,363,961	$ 13,732,741
Underground Line Expenses	$ 1,948,555	$ 2,643,966	$ 226,391	$ 2,588,738	$ 2,352,075
Street Light & Sign	$ 406,181	$ 94,575	$ 126,890	$ 135,001	$ 80,644
Meter Expense	$ 6,900,640	$ 7,154,356	$ 8,319,864	$ 7,442,748	$ 9,319,696
Customer Installation Expenses	$ 1,547,850	$ 774,130	$ 673,846	$ 643,566	$ 2,751,616
Misc. Distribution Expenses	$ 10,073,259	$ 11,296,878	$ 10,266,792	$ 12,225,716	$ 11,688,970

Reliability Program Budgets	2008	2009	2010	2011	2012
Oper Superv & Eng	$ 4,265,409	$ 2,413,408	$ 3,284,226	$ 2,550,523	$ 2,785,793
Load Dispatching	$ 1,049,125	$ (908,039)	$ (877,557)	$ (440,084)	$ (1,133,780)
Station Expenses	$ 2,349,712	$ 5,497,290	$ 8,089,836	$ -	$ 9,958,993
Overhead Line Expense	$ -	$ -	$ -	$ -	$ -
Transmission of Elec	$ 6,536,792	$ 6,850,055	$ 9,700,000	$ 10,196,486	$ 9,649,568
Misc Transmission Exp	$ 2,674,039	$ 3,237,969	$ 4,799,547	$ 1,912,496	$ 1,312,331
Oper Superv & Eng	$ 10,709,473	$ 10,934,963	$ 16,419,973	$ 20,440,394	$ 5,476,210
Station Expenses	$ 39,135	$ 909,931	$ 1,236,449	$ -	$ 4,987,306
Overhead Line Expense	$ (3,638,592)	$ (2,409,746)	$ (2,762,432)	$ (5,934,448)	$ (184,518)
Underground Line Exp	$ -	$ -	$ -	$ -	$ -
Street Light & Sign	$ -	$ -	$ -	$ -	$ -
Meter Expense	$ 7,001,980	$ 4,381,630	$ 3,500,000	$ 26,331,368	$ 8,256,831
Customer Installation Exp	$ -	$ -	$ (32,723)	$ -	$ -
Misc. Distribution Expenses	$ 23,796,549	$ 31,122,287	$ 62,999,838	$ 67,799,828	$ 7,501,391

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

NYSEG Job Title	2008	2009	2010	2011	2012
Chief Line Mechanic	186	173	187	188	191
Line Mechanic 1/C	222	218	220	222	203
Line Mechanic 2/C	18	84	18	4	6
Line Apprentice	74	2	72	6	0
Chief UC&M Mech - Maint	35	31	32	29	33
UC&M Mechanic 1/C	65	58	62	44	53
UC&M Mechanic 2/C	8	26	13	16	1
UC&M Apprentice	18	0	12	0	0
SP&C Tech A	27	27	26	31	28
SP&C Tech B	3	5	5	5	1
SP&C Tech C	4	2	3	0	2
SP&C Tech Trainee	2	0	0	1	4
Totals	662	626	650	546	522

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

Year	Plan	Actual
2008	$16,552,114	$9,975,961
2009	$17,000,000	$11,466,821
2010	$13,246,000	$10,857,025
2011	$16,670,000	$23,797,774
2012	$18,600,000	$19,078,277

Division	Distribution Miles Completed, 2012	34.5 kV	15 kV	5 kV
Auburn	102.4	9.3	30.0	63.1
Binghamton	266.0	30.3	65.3	170.4
Brewster	303.6		228.5	75.2
Elmira	215.0		192.4	22.6
Geneva	174.5	58.4	39.9	76.2
Hornell	190.6	15.3	156.0	19.3
Ithaca	206.4	20.5	124.3	61.6
Lancaster	349.0	57.3	124.5	167.2
Liberty	204.5	52.0	87.0	65.5
Mechanicville	228.8	13.1	150.7	65.1
Oneonta	329.7		308.2	21.4
Plattsburgh	211.6	73.2	75.3	63.1
NYSEG	2,782.0	329.4	1,582.0	870.7

Section 4. Power Quality

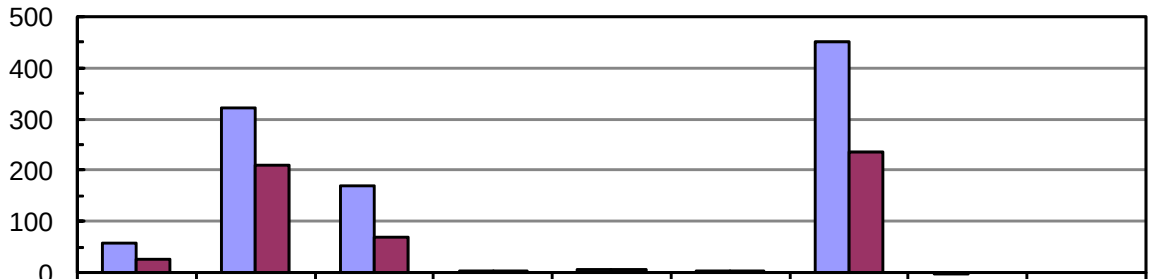
New York State Electric & Gas Corporation (NYSEG) strives to provide to its customers electric service that is very reliable with a high degree of power quality. This section of the reliability report contains a description of NYSEG's power quality program along with a presentation of the power quality data that was obtained through this program in 2012.

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.

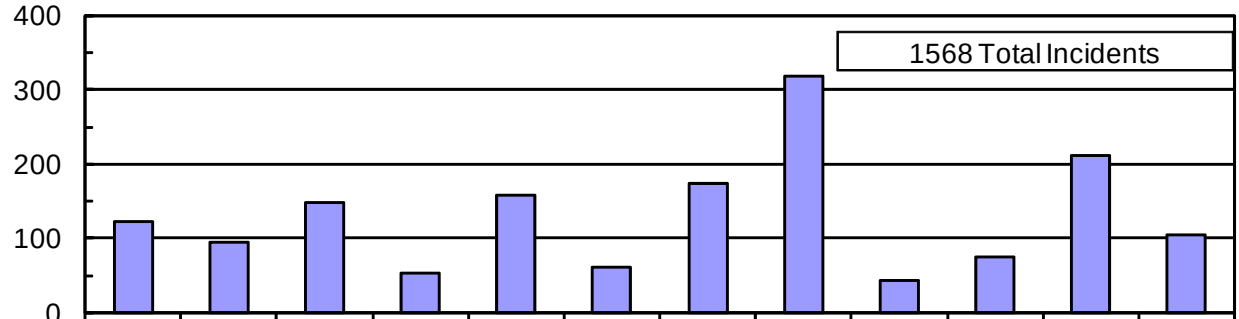
The following pages contain the data that was collected throughout 2012 regarding the PQ calls NYSEG received and the resulting investigations that were conducted.

2012 Reported Power Quality Incidents by Problem Type and Party



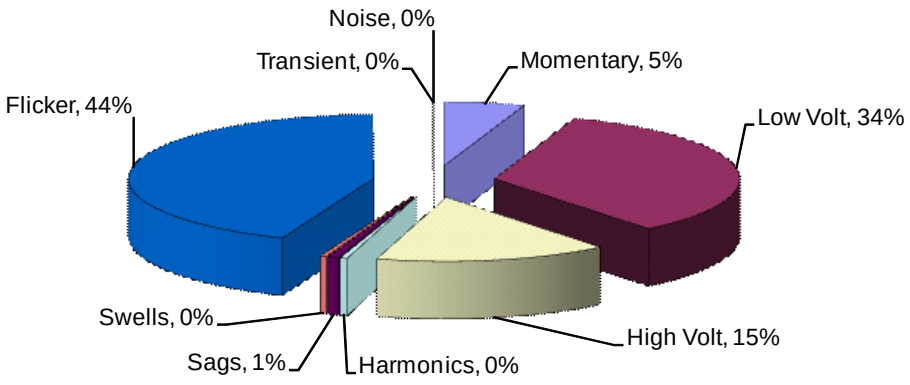
	Momentary	Low Volt	High Volt	Harmonic	Sags	Swells	Flicker	Transient	Noise
NYSEG	58	322	170	4	6	3	451	1	0
Customer	25	210	70	3	5	3	237	0	0

2012 Reported Power Quality Incidents by Division



	Auburn	Binghamton	Brewster	Elmira	Geneva	Hornell	Ithaca	Lancaster	Liberty	Mechncvle	Oneonta.	Plattsburgh
Division	122	95	148	54	159	61	174	319	43	76	212	105

2012 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	**2008**	**2009**	**2010**	**2011**	**2012**
Auburn	**0-5**	NA	0	9	8	12
	5-15	NA	0	2	1	0
	35	NA	0	0	0	0
	Total	NA	0	11	9	12
Binghamton	**0-5**	NA	20	1	9	0
	5-15	NA	27	20	25	34
	35	NA	15	11	14	4
	Total	NA	62	32	48	38
Brewster	**0-5**	NA	24	13	18	24
	5-15	NA	155	167	170	140
	35	NA	0	0	0	0
	Total	NA	179	180	188	164
Elmira	**0-5**	NA	8	1	0	6
	5-15	NA	33	24	26	37
	35	NA	0	3	2	0
	Total	NA	41	28	1	43
Geneva	**0-5**	NA	2	3	1	1
	5-15	NA	7	2	1	8
	35	NA	20	21	0	1
	Total	NA	29	26	2	10
Hornell	**0-5**	NA	3	32	18	10
	5-15	NA	20	11	10	19
	35	NA	12	19	14	5
	Total	NA	35	62	42	34
Ithaca	**0-5**	NA	8	2	3	0
	5-15	NA	8	11	12	39
	35	NA	5	4	8	0
	Total	NA	21	17	23	39
Lancaster	**0-5**	NA	0	0	2	0
	5-15	NA	0	0	5	4
	35	NA	16	17	12	12
	Total	NA	16	17	19	16
Liberty	**0-5**	NA	1	20	16	38
	5-15	NA	40	11	22	26
	35	NA	0	16	18	0
	Total	NA	41	47	56	64
Mechanicville	**0-5**	NA	0	0	0	0
	5-15	NA	0	0	0	0
	35	NA	13	22	18	7
	Total	NA	13	22	18	7
Oneonta	**0-5**	NA	0	6	5	0
	5-15	NA	4	7	8	6
	35	NA	64	9	11	0
	Total	NA	68	22	24	6
Plattsburgh	**0-5**	NA	30	29	22	2
	5-15	NA	129	107	112	100
	35	NA	15	18	14	28
	Total	NA	174	154	148	130
Corporate	**0-5**	NA	96	116	102	92
	5-15	NA	423	362	392	413
	35	NA	160	140	111	56
	Total	NA	679	618	605	561

*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 5. 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, 2012 to December 31, 2012

AUBURN						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4401101	PORT BYRON 611	9	76	605	7.98	0.13
4401503	OTISCO 703	9	510	4,031	7.90	0.77
4400101	CAYUGA 631	10	1,047	8,162	7.80	2.00
4400102	CAYUGA 632	11	93	585	6.28	0.22
4401301	JORDAN 613	17	501	2,766	5.52	0.47
4401302	JORDAN 714	6	132	540	4.10	0.13
4408501	SAVANNAH 630	5	380	1,556	4.10	1.33
4405001	WHITING RD 526	13	735	2,789	3.80	0.66
4401102	PORT BYRON 633	8	265	915	3.45	0.25
4400304	WRIGHT AVE 520	12	790	2,660	3.37	1.85
4401501	OTISCO 701	9	455	1,503	3.30	0.82
4400203	STATE ST 710	33	1,904	6,130	3.22	1.00
4401401	MARCELLUS 626	5	111	349	3.13	0.10
4400502	GRANT AVE 719	6	881	2,295	2.60	1.30
4400503	GRANT AVE 720	13	1,048	2,729	2.60	1.35
4408698	ROUTE 31 098	1	2	5	2.48	2.00
4401402	MARCELLUS 627	5	222	541	2.44	0.25
4409229	NM-GLENHAVEN RD 029	2	94	214	2.28	2.24
4400305	WRIGHT AVE 703	4	54	119	2.20	0.14
4400702	AURORA 708	25	760	1,544	2.03	1.07
4401602	MARIETTA 511	21	2,797	5,344	1.91	2.95
4403201	KING FERRY 528	9	663	1,220	1.84	1.47
4400202	STATE ST 709	14	410	707	1.73	0.16
4400701	AURORA 707	7	1,058	1,809	1.71	2.67
4403401	BRUTON RD 521	4	230	392	1.71	2.71
4401801	SCIPIO 605	10	623	1,050	1.68	1.58
4401701	GENOA 603	16	1,266	2,084	1.64	2.34
4400303	WRIGHT AVE 706	15	319	514	1.61	0.44
4400501	GRANT AVE 718	4	1,393	2,192	1.57	1.76
4402901	HAMILTON RD 530	10	1,033	1,584	1.53	1.21
4403301	MORAVIA-AUBURN 704	7	279	396	1.42	2.36
4401702	GENOA 604	3	299	421	1.41	1.74
4400802	CLARK ST 322	2	53	68	1.29	0.07
4400302	WRIGHT AVE 705	6	401	480	1.20	0.54
4400602	SWIFT AVE 315	2	927	1,102	1.19	1.09
4400900	GREEN ST 316	1	154	162	1.05	0.35
4400801	CLARK ST 306	1	11	11	0.97	0.05
4401802	SCIPIO 606	10	415	371	0.90	1.10
4400603	SWIFT AVE 316	1	1,478	1,283	0.87	0.98
4402102	STRYKER AVE 721	15	5,418	4,523	0.83	2.96
4400401	UNION SPRINGS 609	5	53	41	0.78	0.05
4401201	WEEDSPORT 628	9	1,163	876	0.75	1.31
4400601	SWIFT AVE 314	4	917	676	0.74	1.42
4402101	STRYKER AVE 702	15	5,448	2,744	0.50	2.26
4400301	WRIGHT AVE 704	1	85	40	0.47	0.08

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

BINGHAMTON						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
8102602	WHITNEY POINT 780	5	81	807	9.96	0.22
8101803	CONKLIN 263	4	57	534	9.36	0.09
8109001	NM-BINGHAMTON 001	1	1	8	8.08	0.33
8100301	HARPUR 668	1	6	41	6.82	0.02
8100804	HOOPER RD 704	2	29	148	5.09	0.03
8109201	CLAVERACK-BING 001	1	21	101	4.83	1.00
8101501	NOWLAN RD 226	2	24	110	4.57	0.02
8101502	NOWLAN RD 227	3	150	626	4.18	0.42
8100102	MORRIS ST 658	2	8	31	3.90	0.01
8103101	CHENANGO FORKS 206	6	973	3,698	3.80	3.99
8107901	LISLE 417	17	998	3,718	3.73	2.03
8109806	NORTH ENDICOTT 361	11	778	2,888	3.71	0.41
8105201	KINGSMAN RD 422	3	66	244	3.70	0.62
8102401	FLEMINGVILLE 173	6	15	55	3.60	0.02
8103401	MARATHON 434	7	645	2,324	3.60	1.17
8103301	GREENE 425	24	310	1,083	3.50	0.41
8103602	TARBELL 602	13	367	1,272	3.46	0.68
8104303	OAKDALE 627	10	212	723	3.40	0.24
8103002	CENTER VILLAGE 248	29	2,743	8,944	3.26	2.78
8103803	WINDSOR 758	18	821	2,671	3.25	1.35
4301201	CANDOR 529	12	501	1,621	3.24	0.47
8100418	NOYES ISLAND 278	2	320	1,014	3.17	0.54
8103302	GREENE 607	5	46	143	3.11	0.10
8102801	LOUNSBERRY 178	28	1,675	5,104	3.05	1.76
8100504	GOUDEY 724	1	37	109	2.95	0.30
8100502	GOUDEY 722	1	12	35	2.90	0.01
8102501	MAINE 266	4	50	145	2.90	0.09
8102802	LOUNSBERRY 179	17	1,620	4,617	2.85	1.71
8104302	OAKDALE 626	5	84	234	2.80	0.05
8105003	FULLER HOLLOW 617	16	388	1,049	2.71	0.24
4301202	CANDOR 722	5	663	1,759	2.65	1.33
8104401	WILLET 423	37	3,621	9,599	2.65	3.26
8103801	WINDSOR 757	12	311	822	2.64	0.35
8101901	APALACHIN 176	12	219	576	2.63	0.27
8109601	NYS-CANAL ST TAP 513	25	1,545	3,986	2.58	0.84
8101701	CHENANGO BRIDGE 741	1	1,009	2,556	2.53	1.01
8101402	VESTAL 715	1	112	282	2.52	0.21
8103501	SOUTH OTSELIC 427	13	829	2,073	2.50	1.74
8105701	MARTIN HILL 430	8	940	2,347	2.50	2.37
8102603	WHITNEY POINT 781	13	559	1,393	2.49	1.03
4302501	HALSEY VALLEY 530	7	370	914	2.47	0.80
8101703	CHENANGO BRIDGE 743	0	75	184	2.45	0.97
8100103	MORRIS ST 659	8	79	188	2.40	0.06
8107601	OUAQUAGA EAST 430	4	382	919	2.40	1.36
8101705	CHENANGO BRIDGE 428	15	2,416	5,713	2.36	1.22

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

BINGHAMTON						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
8100203	BURR AVE 710	7	147	342	2.33	0.35
8102901	AFTON 429	38	4,362	10,129	2.32	2.12
8100903	ENDICOTT CLARK ST 629	12	407	938	2.31	0.14
8100501	GOUDEY 721	2	62	140	2.27	0.23
8104402	WILLET 421	10	590	1,325	2.25	1.43
8106501	RICHFORD 524	6	487	1,068	2.19	2.54
8104102	CASTLE GARDEN 622	18	1,083	2,282	2.10	0.43
8104404	WILLET 418	14	1,432	3,001	2.10	2.24
8100901	ENDICOTT CLARK ST 735	1	652	1,348	2.07	1.00
8107402	SOUTH OWEGO 540	13	142	293	2.07	0.20
8100703	JARVIS ST 689	4	721	1,475	2.05	0.37
8102001	BODLE HILL 645	2	27	55	2.04	0.08
8104201	MORNINGSIDE HEIGHTS	2	918	1,869	2.04	1.78
8100101	MORRIS ST 657	2	20	40	2.01	0.01
8102503	MAINE 268	3	96	193	2.01	0.42
8109201	CLAVERACK-BING 001	1	20	39	1.97	0.95
8102201	WHIG ST 783	13	221	433	1.96	0.21
8105002	FULLER HOLLOW 616	4	1,199	2,330	1.94	2.14
8101302	WEST UNION 661	6	1,017	1,912	1.88	0.91
8102701	LANGDON 610	14	240	446	1.86	0.17
8105601	OUAQUAGA WEST 430	12	532	981	1.84	2.52
8105801	BODLE HILL TAP 515	24	2,905	5,310	1.83	1.59
8100706	JARVIS ST 692	1	42	76	1.82	0.02
8101201	RANO 693	2	10	18	1.82	0.05
8105001	FULLER HOLLOW 615	5	1,551	2,768	1.78	1.17
8105901	CHERRY HILL 417	2	268	475	1.77	1.29
8102101	OWEGO 144	2	51	88	1.73	0.07
8100801	HOOPER RD 701	3	71	121	1.71	0.07
8101702	CHENANGO BRIDGE 742	6	2,190	3,694	1.69	2.06
8102604	WHITNEY POINT 782	6	200	338	1.69	0.50
8104902	SANATARIA SPRINGS 212	5	57	95	1.65	0.10
8103203	CINCINNATUS 761	7	52	86	1.64	0.07
8105501	HOADLEY HILL 430	17	1,573	2,579	1.64	2.37
8101002	ENDICOTT RAILWAY 188	5	120	194	1.62	0.13
8102702	LANGDON 427	10	409	655	1.60	0.40
8101301	WEST UNION 660	2	26	41	1.58	0.02
8101401	VESTAL 623	9	305	482	1.58	0.18
8101606	WHITNEY AVE 656	2	8	13	1.58	0.01
8102301	GENEGANTSLET	20	3,465	5,444	1.57	2.36
8101101	ENDICOTT HILL 181	3	144	222	1.55	0.11
8104202	MORNINGSIDE HEIGHTS	1	603	933	1.55	1.00
4305101	CASS HILL-ITHACA 743	2	5	8	1.51	0.03
8100405	NOYES ISLAND 111	4	1,255	1,900	1.51	1.04
8103901	BERKSHIRE 746	8	1,758	2,650	1.51	2.23
8101604	WHITNEY AVE 654	4	117	177	1.50	0.22

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

BINGHAMTON						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
8104901	SANATARIA SPRINGS 211	9	142	210	1.48	0.21
8101801	CONKLIN 229	10	288	418	1.46	0.28
8108001	INGRAHAM HILL 433	6	34	50	1.45	0.07
8102703	LANGDON 608	3	22	32	1.44	0.09
8102704	LANGDON 609	1	97	139	1.43	0.15
8104101	CASTLE GARDEN 621	4	35	50	1.43	0.03
8100401	NOYES ISLAND 101	1	70	99	1.42	0.17
8100402	NOYES ISLAND 103	2	927	1,304	1.41	1.98
8107701	WEST CREEK RD 513	15	1,252	1,744	1.39	2.79
8101102	ENDICOTT HILL 183	2	70	91	1.29	0.10
8102002	BODLE HILL 646	6	786	984	1.25	0.82
8104601	KATTLEVILLE 422	26	2,596	3,186	1.23	0.92
8104502	NORTHSIDE 456	1	513	626	1.22	1.00
8100407	NOYES ISLAND 121	1	70	80	1.15	0.06
8100607	GLENWOOD 686	4	1,887	2,161	1.15	1.03
8100602	GLENWOOD 681	2	1,121	1,278	1.14	1.04
8100701	JARVIS ST 687	3	1,120	1,273	1.14	1.03
8104304	OAKDALE 628	6	425	484	1.14	0.75
8100605	GLENWOOD 684	2	1,777	2,015	1.13	1.01
8100606	GLENWOOD 685	1	276	313	1.13	1.01
8100204	BURR AVE 711	2	3	3	1.12	0.00
8100603	GLENWOOD 682	3	1,079	1,194	1.11	1.11
8100206	BURR AVE 612	3	311	342	1.10	0.31
8100303	HARPUR 670	2	13	14	1.08	0.07
8104602	KATTLEVILLE 426	14	2,403	2,565	1.07	2.92
8103702	VINCENT CORNERS 269	8	185	197	1.06	0.38
8100503	GOUDEY 723	2	49	51	1.05	0.07
8108201	ROUTE 38 513	1	3	3	0.87	0.02
8101003	ENDICOTT RAILWAY 190	1	1	1	0.68	0.01
8101503	NOWLAN RD 228	3	588	394	0.67	1.02
8100803	HOOPER RD 703	2	14	9	0.65	0.02
8104001	GLEN AUBREY 417	2	16	10	0.63	0.06
8100201	BURR AVE 708	1	11	6	0.57	0.01
8100304	HARPUR 671	1	24	12	0.52	0.02
8100417	NOYES ISLAND 277	1	63	20	0.32	1.54
8100802	HOOPER RD 702	1	23	3	0.13	0.04

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

BREWSTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1105354	AMENIA 154	19	622	5,079	8.17	0.56
1108701	CHU-TOWER HILL RD	8	148	1,070	7.23	6.17
1106346	MOHANSIC 406	9	352	1,576	4.48	0.55
1105352	AMENIA 153	10	996	3,687	3.70	1.94
1105002	CROTON FALLS 514	7	259	899	3.47	0.31
1106858	POUND RIDGE 458	23	1,275	4,284	3.36	2.26
1106340	MOHANSIC 403	4	34	113	3.33	0.06
1106857	POUND RIDGE 457	13	477	1,526	3.20	0.81
1105679	KENT CLIFFS 292	8	188	527	2.80	0.37
1106104	GOLDEN BRIDGE 414	15	1,864	5,032	2.70	1.91
1105722	CRAFTS 422	9	1,405	3,688	2.63	0.97
1106749	PEACH LAKE 249	5	195	512	2.63	0.23
1106107	GOLDEN BRIDGE 417	7	90	234	2.60	0.19
1105249	AMAWALK 449	5	330	843	2.56	0.26
1107189	TEAKETTLE SPOUT 489	16	1,564	3,925	2.51	1.44
1105425	BEDFORD HILLS 225	9	385	954	2.48	0.37
1106094	DOVER PLAINS 494	17	479	1,188	2.48	0.23
1107237	TILLY FOSTER 437	9	723	1,787	2.47	0.73
1105427	BEDFORD HILLS 227	1	2	5	2.43	0.00
1107732	UNION VALLEY 432	8	1,307	3,137	2.40	0.71
1109701	CARMEL 501	17	538	1,267	2.36	0.24
1105870	CROSS RIVER 470	35	1,168	2,701	2.31	0.97
1105462	BEDFORD HILLS 462	12	68	155	2.27	0.07
1105582	CANTITOE 282	15	1,120	2,542	2.27	1.96
1105463	BEDFORD HILLS 463	8	54	121	2.26	0.04
1106343	MOHANSIC 405	8	1,807	4,078	2.26	1.73
1105004	CROTON FALLS 515	14	1,564	3,464	2.21	1.22
1109706	CARMEL 502	11	1,132	2,405	2.12	0.77
1107843	TEN MILE RIVER 443	8	100	210	2.11	0.14
1108501	CHU-SEPARATE RD	2	11	23	2.11	1.57
1106121	GOLDEN BRIDGE 421	38	3,546	7,285	2.06	3.15
1107191	TEAKETTLE SPOUT 491	4	138	284	2.06	0.13
1106575	WEST PATTERSON 475	35	7,145	14,669	2.05	4.84
1109201	CHU-LONG HILL RD	2	6	12	2.03	2.00
1107078	SYLVAN LAKE 478	20	1,087	2,190	2.02	0.47
1105977	DINGLE RIDGE 277	11	374	733	1.96	1.09
1105111	ADAMS CORNERS 411	17	2,297	4,487	1.95	1.18
1106120	GOLDEN BRIDGE 420	6	2,447	4,758	1.94	2.20
1107081	SYLVAN LAKE 481	22	2,389	4,543	1.90	1.54
1107238	TILLY FOSTER 438	7	50	92	1.82	0.03
1105978	DINGLE RIDGE 278	11	1,481	2,633	1.78	4.20
1105597	CANTITOE 497	40	2,859	5,060	1.77	2.10
1106855	POUND RIDGE 455	38	2,706	4,723	1.75	1.74
1106750	PEACH LAKE 250	13	221	385	1.74	0.42
1109101	CHU-LONG MTN RD	1	1	2	1.73	0.14

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

BREWSTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1105253	AMAWALK 453	19	2,655	4,502	1.70	1.46
1106277	Kent 177	7	2,057	3,446	1.67	2.04
1107731	UNION VALLEY 431	11	2,504	4,184	1.67	1.67
1108401	CHU-TURKEY RUN CHU	2	3	5	1.64	1.50
1107844	TEN MILE RIVER 444	26	4,262	6,781	1.59	2.69
1106668	PAWLING 508	23	1,131	1,785	1.58	0.85
1107239	TILLY FOSTER 439	2	27	42	1.58	0.03
1105868	CROSS RIVER 468	13	152	233	1.53	0.20
1105113	ADAMS CORNERS 413	15	2,150	3,263	1.52	3.08
1105723	CRAFTS 423	20	453	688	1.52	0.19
1107242	TILLY FOSTER 442	7	1,239	1,825	1.47	1.22
1106342	MOHANSIC 404	8	41	60	1.46	0.06
1107434	HAVILAND HOLLOW	19	3,375	4,904	1.45	3.24
1106275	KENT 175	10	2,279	3,249	1.43	1.84
1105869	CROSS RIVER 469	8	228	323	1.41	0.29
1106856	POUND RIDGE 456	21	540	750	1.39	0.56
1105691	KENT CLIFFS 291	16	2,127	2,913	1.37	2.91
1106984	PUTNAM LAKE 484	21	1,667	2,162	1.30	1.57
1107190	TEAKETTLE SPOUT 490	4	2,072	2,694	1.30	2.40
1105583	CANTITOE 283	8	679	874	1.29	1.53
1105115	ADAMS CORNERS 412	24	2,771	3,481	1.26	1.99
1107080	SYLVAN LAKE 480	16	788	981	1.25	0.80
1106108	GOLDEN BRIDGE 418	24	2,919	3,623	1.24	2.89
1105724	CRAFTS 424	15	2,084	2,552	1.22	1.67
1106986	PUTNAM LAKE 486	19	1,310	1,583	1.21	0.81
1106574	WEST PATTERSON 474	14	3,325	3,932	1.18	3.75
1107433	HAVILAND HOLLOW	11	1,046	1,235	1.18	1.44
1105095	CROTON FALLS 516	12	1,395	1,470	1.05	1.09
1106985	PUTNAM LAKE 485	10	465	476	1.02	0.53
1109703	CARMEL 503	8	442	441	1.00	0.46
1106667	PAWLING 509	31	2,062	2,038	0.99	1.40
1107733	UNION VALLEY 433	24	3,001	2,832	0.94	1.32
1105251	AMAWALK 451	16	1,172	761	0.65	1.12
1107241	TILLY FOSTER 441	9	1,700	1,029	0.61	1.21
1106276	KENT 176	3	886	353	0.40	1.02

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ELMIRA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5204242	PRESHO 342	2	5	38	7.63	0.04
5203722	FULTON ST 222	1	15	98	6.50	0.01
5206631	BATH TAP 531	2	18	105	5.87	0.12
5206528	PHILO RD 328	1	1	5	4.87	0.01
4302701	VAN ETTEN 570	9	148	708	4.79	0.20
5200813	RIVERSIDE 313	1	1	4	4.45	0.03
5205435	DINEHARTS 535	5	601	2,607	4.34	3.32
5203833	HAMMONDSPORT 333	12	1,167	4,834	4.14	2.11
5200926	HAMPTON RD 326	5	1,494	6,075	4.07	1.13
5201022	BULKHEAD 322	13	648	2,592	4.00	0.73
5201601	RIDGE RD 501	43	2,987	10,786	3.61	2.00
5204545	WHISKEY CREEK 345	27	1,782	6,330	3.55	2.26
5200989	HAMPTON RD 089	1	1	3	3.42	0.00
5200927	HAMPTON RD 327	1	1	3	3.40	0.00
5204544	WHISKEY CREEK 344	19	635	2,096	3.30	0.78
5204447	SOUTH ADDISON 347	27	2,563	8,305	3.24	5.46
4204001	KEUKA 201	2	227	711	3.13	0.30
5201711	GOSS RD 211	5	40	122	3.08	0.06
5202528	WOODHULL - ELMIRA 228	6	122	374	3.07	1.36
5200285	MADISON AVE 385	3	9	28	3.03	0.01
5201021	BULKHEAD 321	21	753	2,265	3.01	0.43
5203834	HAMMONDSPORT 334	13	1,351	4,045	2.99	1.73
5203723	FULTON ST 223	3	208	618	2.97	0.41
5208162	Yawger Road 362	14	888	2,608	2.94	0.48
5203352	CAMPBELL 352	21	755	2,180	2.89	1.36
5203660	FALLBROOK 360	2	49	141	2.87	0.03
5206901	MONTOUR ODESSA TAP	13	1,051	3,010	2.87	1.19
5204241	PRESHO 341	29	810	2,113	2.61	1.01
5206529	PHILO RD 329	4	9	22	2.61	0.01
5200618	14TH ST 118	2	13	33	2.57	0.02
5204637	KANONA 337	3	354	910	2.57	1.36
5200987	HAMPTON RD 087	1	8	20	2.45	0.10
5202031	MONTOUR FALLS 231	2	9	22	2.43	0.03
5206335	NORTH URBANA 535	20	755	1,825	2.42	0.52
5202139	CAYUTA 239	10	119	287	2.41	0.34
5204141	PRATTSBURG 241	16	2,480	5,913	2.38	4.17
5204003	KEUKA-ELMIRA 203	9	1,801	4,040	2.24	2.21
5201605	RIDGE RD 305	21	749	1,672	2.23	0.52
5201143	TUTTLE PLACE 143	1	3	7	2.17	0.00
5202033	MONTOUR FALLS 233	11	451	980	2.17	0.41
5206898	PRATTSBURG TAP 598	7	986	2,118	2.15	5.45
5200814	RIVERSIDE 314	4	203	432	2.13	0.36
5203721	FULTON ST 221	4	142	302	2.13	0.11
5200415	HILLCREST RD 315	4	72	151	2.09	0.27
5201419	CHEMUNG 319	19	1,093	2,257	2.06	3.13

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ELMIRA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5204140	PRATTSBURG 240	12	1,803	3,696	2.05	4.02
5202012	MONTOUR FALLS 512	25	385	781	2.03	0.31
5200111	WEST ELMIRA 111	3	32	64	2.02	0.03
5201023	BULKHEAD 323	6	476	953	2.00	0.30
5201202	BROAD ST 302	2	171	340	1.98	0.33
5203843	HAMMONDSPORT 243	9	151	298	1.98	0.18
4203105	DUNDEE 205	9	222	439	1.97	0.19
5200619	14TH ST 119	3	37	71	1.93	0.04
5201201	BROAD ST 301	4	123	237	1.93	0.18
5201079	BULKHEAD 079	1	6	12	1.92	0.01
5202011	MONTOUR FALLS 511	40	4,203	7,974	1.90	3.33
5203464	CANADA RD 564	9	320	607	1.90	0.17
5201607	RIDGE RD 307	11	366	681	1.86	0.56
5200266	MADISON AVE 066	1	2	4	1.82	0.01
5204781	HICKLING 381	12	303	548	1.81	0.28
5204398	PULTENEY TAP 598	12	2,242	3,965	1.77	3.59
5204782	HICKLING 382	10	631	1,108	1.76	0.66
5201606	RIDGE RD 306	8	1,073	1,870	1.74	1.05
5200104	WEST ELMIRA 104	2	479	828	1.73	1.19
5200925	HAMPTON RD 325	17	1,950	3,355	1.72	3.43
5205591	NEW CORNING 391	3	479	798	1.67	0.56
5203462	CANADA RD 562	14	169	281	1.66	0.11
5201418	CHEMUNG 318	39	2,422	3,975	1.64	2.46
5203662	FALLBROOK 362	5	58	93	1.61	0.17
5203139	BATH 339	16	1,203	1,885	1.57	1.32
5201200	BROAD ST 300	12	615	937	1.52	0.58
5204446	SOUTH ADDISON 346	20	2,851	4,308	1.51	2.15
5200583	WOODLAWN AVE 183	2	36	52	1.44	0.03
5200617	14TH ST 117	2	12	17	1.44	0.01
5208163	Yawger Road 363	3	48	68	1.42	0.10
5203908	KANE ST 208	7	211	297	1.41	0.22
5206530	PHILO RD 330	6	235	328	1.40	0.34
5200371	FIRST ST 371	3	464	646	1.39	1.11
5200577	WOODLAWN AVE 277	1	5	7	1.38	1.00
5203351	CAMPBELL 351	3	44	60	1.38	0.08
5200416	HILLCREST RD 316	11	203	273	1.34	0.09
5204636	KANONA 336	2	91	121	1.33	0.74
5201204	BROAD ST 304	1	1	1	1.22	0.02
5205590	NEW CORNING 390	1	288	293	1.02	1.01
5200286	MADISON AVE 386	3	41	40	0.98	0.10
5200549	WOODLAWN AVE 349	1	487	463	0.95	1.01
5200811	RIVERSIDE 311	5	123	114	0.92	0.14
5204002	KEUKA-ELMIRA 202	2	363	324	0.89	1.03
5200290	MADISON AVE 090	1	1	1	0.83	0.00
5200812	RIVERSIDE 312	2	21	15	0.73	0.15

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

GENEVA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4200902	OAK CORNERS 202	4	141	1,007	7.14	0.59
4200202	PALMYRA 202	8	212	1,393	6.57	0.19
4201602	GOULDS 202	2	36	222	6.18	0.10
4201601	GOULDS 201	1	64	325	5.07	0.36
4200603	CLYDE 203	13	323	1,527	4.73	0.48
4201002	WEST GENEVA 602	17	682	2,897	4.25	1.01
4203301	BANKERT RD 601	5	66	276	4.18	0.12
4201703	SENECA FALLS 603	19	510	2,002	3.92	0.29
4203302	BANKERT RD 602	6	1,157	3,985	3.44	3.79
4203989	VOAK RD 589	8	648	2,199	3.39	2.45
4200103	MACEDON 603	10	898	2,915	3.24	1.28
4208401	RGE-SAVANNAH 001	6	198	570	2.88	
4200501	LYONS 601	2	211	597	2.83	1.01
4200502	LYONS 602	2	203	573	2.83	1.05
4208401	RGE-SAVANNAH 001	5	169	471	2.79	
4203507	SENECA ORDNANCE	6	1,012	2,748	2.72	2.00
4200503	LYONS 603	27	2,478	6,613	2.67	1.54
4200406	VAN BUREN ST 606	26	1,368	3,638	2.66	0.71
4202501	BELLONA 201	4	607	1,552	2.56	1.45
4200901	OAK CORNERS 201	5	437	1,113	2.55	1.42
4200201	PALMYRA 201	4	16	38	2.38	0.01
4201001	WEST GENEVA 601	18	1,635	3,661	2.24	1.62
4200101	MACEDON 601	11	556	1,196	2.15	0.39
4201101	LEHIGH ST 601	14	1,326	2,699	2.04	2.64
4200405	VAN BUREN ST 605	16	3,896	7,394	1.90	3.15
4200801	PHELPS 201	10	268	508	1.90	0.22
4204001	KEUKA 201	4	1,053	1,938	1.84	1.39
4204789	RUSHVILLE TAP 589	14	1,376	2,477	1.80	2.94
4207769	HYATT RD 569	31	3,694	6,413	1.74	2.32
4200102	MACEDON 602	5	1,504	2,543	1.69	1.04
4201701	SENECA FALLS 601	19	401	664	1.66	0.35
4203096	GREENIDGE 596	36	3,782	6,287	1.66	
4207946	SLEIGHT RD 546	35	4,119	6,632	1.61	2.58
4201103	Lehigh Street 603	7	265	408	1.54	0.21
4201702	SENECA FALLS 602	9	238	366	1.54	0.16
4203897	FLAT ST 597	43	5,851	9,000	1.54	2.13
4202701	ST JOHNS 201	8	735	1,112	1.51	2.53
4201503	WATERLOO 203	1	12	18	1.48	0.02
4202401	MIDDLESEX 201	17	2,880	4,250	1.47	2.63
4201003	WEST GENEVA 603	6	253	354	1.40	0.12
4201501	WATERLOO 201	6	157	217	1.39	0.10
4202601	DRESDEN 201	10	103	142	1.37	0.19
4201102	LEHIGH ST 602	7	135	181	1.33	0.12
4201802	MAC DOUGALL 702	14	2,415	3,119	1.29	2.55
4201801	MAC DOUGALL 601	18	2,754	3,459	1.26	3.97

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

GENEVA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4204686	HALEY RD 586	5	1,043	1,311	1.26	1.70
4203105	DUNDEE 205	9	1,484	1,790	1.21	1.27
4204389	BLODGETT RD 589	9	1,667	2,011	1.21	1.34
4200602	CLYDE 202	3	7	8	1.18	0.01
4200403	VAN BUREN ST 603	11	2,483	2,815	1.13	1.13
4202201	HALL 201	3	214	211	0.99	1.10
4201004	WEST GENEVA 604	8	107	102	0.95	0.06
4202901	MILO 201	6	783	695	0.89	1.05
4207947	SLEIGHT RD 547	14	1,454	1,230	0.85	2.57
4202302	RUSHVILLE 202	8	773	499	0.65	1.04
4202101	GORHAM 201	4	750	473	0.63	2.08
4202102	GORHAM 202	4	688	400	0.58	2.03

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

HORNELL						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5308401	RGE-DUDLEY RD RGE	1	4	39	9.65	1.33
5308801	RGE-PLUMBOTTOM	1	5	41	8.12	1.00
5308101	RGE-TOWNLINE RD	3	9	47	5.29	0.60
5301955	SPRING WATER 255	22	1,751	8,550	4.88	1.66
5302163	TROUPSBURG 563	19	349	1,674	4.80	0.87
5302431	WAYLAND 231	5	129	616	4.77	0.13
5300719	CANASERAGA 219	7	168	745	4.43	0.37
5301752	PORTAGEVILLE 252	1	10	44	4.43	0.04
5308801	RGE-PLUMBOTTOM	1	5	22	4.35	1.00
5300817	CANISTEO 217	8	389	1,629	4.19	0.87
5302240	WALLACE 340	25	305	1,270	4.15	0.28
5300600	BENNETT 300	6	1,055	4,186	3.97	1.07
5301351	MEYER 351	8	420	1,594	3.79	0.64
5300601	BENNETT 301	4	1,337	4,929	3.69	1.11
5301110	HOWARD 310	6	186	686	3.68	1.19
5307701	NM-WAUGHBROOK RD	7	126	457	3.63	7.00
5302528	WOODHULL 228	10	284	1,011	3.56	0.50
5301350	MEYER 350	33	1,696	5,613	3.31	0.91
5307601	NM-VERNAL RD NIM	2	53	172	3.26	2.21
5300320	ARKPORT 220	20	744	2,317	3.12	0.73
5301111	HOWARD 311	7	461	1,401	3.04	1.28
5308301	RGE-TENAFLY RD RGE	1	8	23	2.85	1.00
5303639	JASPER 539	10	104	297	2.84	0.28
5301571	PALMITER RD 371	2	396	1,109	2.80	1.01
5301570	PALMITER RD 370	16	1,698	4,548	2.68	2.28
5301861	SILVER SPRINGS 261	13	145	385	2.65	0.16
5301572	PALMITER RD 372	11	894	2,262	2.53	1.35
5301573	PALMITER RD 373	8	1,543	3,878	2.51	1.69
5308701	NM-RIVER RD NIM	1	3	7	2.45	1.50
5300170	HILL ST 270	1	3	7	2.38	0.00
5300280	WEBB CROSSING 280	5	101	240	2.37	0.86
5300281	WEBB CROSSING 281	1	15	36	2.37	0.02
5302381	WARSAW 381	12	94	222	2.36	0.06
5301615	PERRY CENTER 215	3	4	9	2.33	0.02
5302068	STANTON AVE 368	14	3,707	8,385	2.26	2.25
5307080	MORAINE RD 580	12	480	1,085	2.26	0.70
5307043	MORAINE RD 543	28	2,229	4,861	2.18	2.96
5301352	MEYER 352	9	109	236	2.17	0.10
5301614	PERRY CENTER 214	7	192	415	2.17	0.49
5307701	NM-WAUGHBROOK RD	1	1	2	2.17	0.06
5300641	BENNETT 541	23	3,386	7,079	2.09	2.61
5307401	NM-MARROW BACK RD	3	6	13	2.08	3.00
5307501	NM-LAGRANGE RD NIM	1	10	20	1.98	1.43
5300175	HILL ST 275	1	8	15	1.90	0.01
5300637	BENNETT 537	2	3	5	1.89	1.50

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

HORNELL						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5303894	ROBESON 594	4	26	49	1.87	0.36
5304351	Coffee Hill Road 351	39	775	1,413	1.83	1.06
5308201	RGE-HOCHANDLE RD R(	1	6	10	1.65	1.50
5302380	WARSAW 380	18	1,469	2,400	1.63	1.22
5308501	RGE-DALTON RD RGE	2	27	43	1.59	1.69
5300171	HILL ST 271	1	23	36	1.58	0.06
5300468	ATLANTA 568	28	2,197	3,432	1.56	2.49
5308501	RGE-DALTON RD RGE	2	25	38	1.52	1.56
5301220	LEICESTER 320	7	121	174	1.45	0.16
5300458	ATLANTA 258	8	95	133	1.40	0.20
5301062	FEDERAL ST 162	1	58	81	1.40	0.13
5308401	RGE-DUDLEY RD RGE	2	6	8	1.39	2.00
5302430	WAYLAND 230	3	249	344	1.38	0.32
5303794	GAINESVILLE 594	9	125	160	1.28	0.32
5301466	NAPLES 566	17	2,304	2,916	1.27	2.54
5301430	NAPLES 330	5	1,019	1,212	1.19	2.39
5301431	NAPLES 331	15	1,347	1,566	1.16	2.56
5302360	WARSAW 260	1	13	13	0.98	0.03
5302067	STANTON AVE 367	1	1	1	0.93	0.01
5300173	HILL ST 273	1	19	18	0.93	0.03
5300946	COHOCTON 246	10	1,046	831	0.79	2.06
5308201	RGE-HOCHANDLE RD R(	2	7	4	0.56	1.75

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ITHACA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4304001	HARFORD MILLS 749	2	4	27	6.80	0.01
4306601	BEER TAP 534	2	141	936	6.64	0.63
4300902	ETNA 709	7	1,160	5,862	5.05	0.83
4302102	BURDETT 702	11	162	664	4.08	0.24
4301403	WEST DANBY 530	21	2,117	8,356	3.95	1.45
4306201	CRUM TOWN 530	2	33	114	3.46	0.18
4304901	WILSEYVILLE 751	9	287	931	3.24	0.59
4302002	VALOIS 719	11	373	1,175	3.15	0.53
4303401	BURDETT MECK 508	27	2,295	7,166	3.12	1.87
4302001	VALOIS 508	15	2,122	6,412	3.02	2.80
4304201	HARFORD 524	2	84	251	2.99	0.56
4300802	PERUVILLE 733	11	874	2,308	2.64	1.51
4303001	DANBY RD 571	17	1,519	3,960	2.61	1.24
4303501	SENECA ORD - ITHACA	3	294	757	2.58	3.09
4301901	OVID 715	8	148	370	2.49	0.10
4306001	BLACKMAN HILL 746	2	5	12	2.36	0.18
4303801	DRYDEN TAP 524	15	394	927	2.35	0.27
4300202	EAST ITHACA 405	10	93	203	2.18	0.07
4301801	INTERLAKEN 705	24	2,202	4,719	2.14	1.56
4305801	ETNA TAP 523	2	659	1,397	2.12	1.79
4302601	WALPOLE RD 741	12	974	2,038	2.09	4.35
4301701	TRUMANSBURG 723	6	720	1,499	2.08	1.13
4302901	BENJAMIN HILL 748	13	286	596	2.08	0.20
4302303	FOURTH ST 783	4	347	703	2.03	1.02
4305901	ROUTE 79 746	5	154	307	1.99	1.41
4301702	TRUMANSBURG 747	25	2,820	5,593	1.98	1.72
4301601	COUNTY HOSPITAL 736	7	289	545	1.89	0.38
4301001	DRYDEN 734	12	550	1,026	1.87	0.65
4300205	EAST ITHACA 404	6	2,377	4,395	1.85	1.07
4301301	SPENCER 712	19	2,272	4,125	1.82	2.03
4300105	CAYUGA HEIGHTS 605	2	3	5	1.78	0.00
4300603	MORAVIA 606	21	2,759	4,920	1.78	2.73
4302206	SOUTH HILL 608	4	161	277	1.72	0.27
4305301	COUNTY HOSP -	42	6,458	10,892	1.69	3.08
4300701	LOCKE 718	16	1,725	2,892	1.68	2.47
4300201	EAST ITHACA 406	4	622	1,030	1.66	0.25
4301101	BROOKTONDALE 531	17	1,019	1,667	1.64	0.59
4300602	MORAVIA 746	5	990	1,552	1.57	2.05
4303701	PERUVILLE TAP 522	15	2,042	3,203	1.57	1.51
4301002	DRYDEN 735	1	29	43	1.48	0.04
4302205	SOUTH HILL 614	2	89	125	1.40	0.15
4300203	EAST ITHACA 401	10	358	480	1.34	0.67
4300601	MORAVIA 704	5	1,405	1,868	1.33	2.03
4302204	SOUTH HILL 607	4	56	69	1.23	0.05
4305701	CATPATH 522	4	108	133	1.23	2.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ITHACA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4302305	FOURTH ST 785	3	631	772	1.22	1.09
4301502	WEST HILL 610	11	2,224	2,702	1.21	1.14
4302301	FOURTH ST 781	3	669	797	1.19	1.02
4302203	SOUTH HILL 613	4	28	33	1.18	0.02
4301501	WEST HILL 609	4	631	737	1.17	1.12
4302302	FOURTH ST 782	3	47	54	1.14	0.05
4300502	LUDLOWVILLE 727	7	1,092	1,220	1.12	2.09
4300104	CAYUGA HEIGHTS 601	17	2,330	2,206	0.95	1.13
4300501	LUDLOWVILLE 726	3	345	316	0.92	2.04
4303101	NORTH LANSING 522	17	3,991	3,521	0.88	4.39
4300103	CAYUGA HEIGHTS 602	1	1	1	0.85	0.00
4300302	SOUTH LANSING 720	9	2,457	1,865	0.76	3.60
4303601	SOUTH LANSING TAP	9	2,706	1,982	0.73	3.11
4300303	SOUTH LANSING 721	11	1,948	1,411	0.72	3.07
4300402	CAYUGA ROCK SALT	1	12	8	0.67	1.00
4302304	FOURTH ST 784	2	47	27	0.58	0.07
4300101	CAYUGA HEIGHTS 604	4	1,580	839	0.53	1.08
4305101	CASS HILL-ITHACA 743	1	194	29	0.15	1.06

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

LANCASTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3103701	CEMETERY RD 491	1	2	11	5.73	0.00
3102604	EAST AURORA 340	2	6	30	4.94	0.01
3104001	LOSSON RD 404	7	1,554	7,600	4.89	0.72
3102801	EBENEZER 360	1	17	67	3.93	0.02
3100502	RANDOLPH 175	1	23	90	3.92	0.04
3103104	DICK RD 393	5	56	211	3.75	0.03
3102701	CHERRY CREEK 501	6	893	3,129	3.50	2.12
3105301	COBBLEHILL 530	20	3,195	11,188	3.50	1.38
3102607	EAST AURORA 347	1	1	3	3.32	0.00
3103604	LAKE AVE 483	2	133	438	3.29	1.01
3103501	SOUTH COLDEN 455	15	1,854	6,028	3.25	3.94
3103605	LAKE AVE 484	5	1,537	4,982	3.24	1.10
3101702	REIN RD 272	3	138	423	3.06	0.15
3107301	SPRINGBROOK 495	15	527	1,591	3.02	0.41
3103603	LAKE AVE 482	12	3,737	11,159	2.99	1.31
3103601	LAKE AVE 480	10	2,876	8,222	2.86	1.50
3100701	FROG VALLEY 184	21	473	1,337	2.83	0.70
3103901	SOUTH PARK 471	12	1,976	5,540	2.80	1.04
3100808	ERIE ST 209	2	16	45	2.79	0.02
3100501	RANDOLPH 174	10	240	666	2.78	0.39
3102602	EAST AURORA 342	11	687	1,898	2.77	0.62
3102102	WALDEN AVE 301	8	2,400	6,537	2.72	1.15
3109998	NM-LANCASTER 098	2	9	24	2.69	4.50
3102004	HAMBURG 295	1	161	429	2.67	0.50
3100602	SILVER CREEK 179	6	33	88	2.64	0.02
3100807	ERIE ST 208	1	104	272	2.62	0.12
3100806	ERIE ST 207	2	250	647	2.58	0.86
3101904	ORCHARD PARK 526	1	2	5	2.38	0.01
3103105	DICK RD 537	16	1,718	4,047	2.36	0.62
3100801	ERIE ST 202	2	21	49	2.35	0.02
3105003	BIG TREE 539	2	623	1,426	2.29	0.77
3100302	ELLINGTON 165	4	281	641	2.28	1.41
3105202	ROLL RD 529	12	793	1,805	2.28	0.21
3103004	DAVIS 531	13	5,142	11,445	2.23	2.42
3105203	ROLL RD 545	15	1,057	2,347	2.22	0.45
3102301	HOLLAND 320	15	2,477	5,450	2.20	2.40
3102106	WALDEN AVE 305	3	13	28	2.19	0.01
3100301	ELLINGTON 164	17	1,141	2,482	2.18	1.61
3101802	JAVA 281	14	2,698	5,773	2.14	3.44
3102302	HOLLAND 321	12	3,474	7,447	2.14	2.96
3103204	LANGER RD 433	14	1,039	2,212	2.13	0.54
3102303	HOLLAND 520	31	6,217	13,142	2.11	5.65
3105302	COBBLEHILL 548	18	1,870	3,804	2.03	1.46
3100601	SILVER CREEK 178	3	20	41	1.99	0.02
3102107	WALDEN AVE 307	3	14	29	1.99	0.05

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

LANCASTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3101102	SLOAN 230	4	130	257	1.97	0.13
3101602	ALDEN 263	1	135	261	1.94	0.12
3103107	DICK RD 396	6	1,265	2,442	1.93	0.79
3103303	WENDE RD 442	9	1,864	3,517	1.89	1.31
3100603	SILVER CREEK 180	21	2,197	4,111	1.87	1.65
3101601	ALDEN 262	4	75	140	1.87	0.14
3101801	JAVA 280	23	4,412	8,254	1.87	5.01
3103502	SOUTH COLDEN 456	5	752	1,402	1.86	3.31
3100201	DAYTON 160	8	89	163	1.83	0.20
3102605	EAST AURORA 345	1	3	5	1.82	0.00
3107701	Fisher Price Tap 348	1	23	41	1.79	1.05
3103801	TYLER ST 460	3	13	23	1.76	0.01
3105001	BIG TREE 528	15	1,696	2,968	1.75	0.77
3102202	BLOSSOM 313	19	1,572	2,671	1.70	1.54
3101103	SLOAN 231	7	67	113	1.69	0.03
3103001	DAVIS 380	16	1,948	3,287	1.69	2.10
3105002	BIG TREE 523	5	222	377	1.69	0.31
3107501	West Varysburg 355	15	1,331	2,247	1.69	4.05
3102003	HAMBURG 294	4	715	1,197	1.68	0.81
3103802	TYLER ST 461	3	101	170	1.68	0.09
3103103	DICK RD 392	5	155	258	1.67	0.08
3104004	LOSSON RD 402	12	536	894	1.67	0.13
3102002	HAMBURG 293	2	12	20	1.66	0.01
3102205	BLOSSOM 517	11	490	812	1.66	0.21
3102606	EAST AURORA 346	21	427	708	1.66	0.44
3102903	ARMOR 373	12	3,352	5,558	1.66	1.34
3103803	TYLER ST 462	5	128	211	1.65	0.11
3100401	NEW ALBION 168	10	137	219	1.60	0.38
3104101	STOLLE RD 551	15	2,884	4,584	1.59	2.04
3102201	BLOSSOM 312	8	926	1,455	1.57	0.35
3102506	WEHRLE DR 332	6	228	353	1.55	0.25
3104201	BENNINGTON CTR 445	23	3,199	4,922	1.54	6.57
3100103	LEGION DR 154	6	319	487	1.52	0.26
3103203	LANGER RD 432	21	1,240	1,879	1.51	0.38
3102402	WALES CENTER 326	20	3,015	4,519	1.50	3.93
3103401	COWLESVILLE 450	7	1,464	2,152	1.47	4.29
3103703	CEMETERY RD 492	14	1,287	1,882	1.46	0.59
3103003	DAVIS 382	19	3,701	5,368	1.45	1.59
3103201	LANGER RD 430	8	444	644	1.45	0.26
3101703	REIN RD 270	2	3	5	1.44	0.05
3102401	WALES CENTER 325	13	3,767	5,367	1.42	3.54
3104802	NORTH BROADWAY	1	1	1	1.38	0.05
3102502	WEHRLE DR 331	5	221	299	1.35	0.20
3103402	COWLESVILLE 451	4	2,475	3,322	1.34	3.27
3100901	GIRDLE RD 554	8	493	647	1.31	0.45

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

LANCASTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3102101	WALDEN AVE 300	1	23	30	1.30	0.05
3104202	BENNINGTON CTR 446	22	4,222	5,494	1.30	5.80
3102902	ARMOR 372	17	3,700	4,771	1.29	1.85
3101902	ORCHARD PARK 286	8	1,840	2,360	1.28	2.00
3106301	JAMISON RD 518	1	22	28	1.28	0.21
3102901	ARMOR 371	9	734	924	1.26	0.31
3103302	WENDE RD 441	3	95	118	1.24	0.23
3104801	NORTH BROADWAY	17	3,634	4,446	1.22	1.16
3103002	DAVIS 381	22	3,947	4,670	1.18	2.70
3100809	ERIE ST 515	11	3,075	3,352	1.09	0.89
3101204	ELLICOTT RD 238	1	1	1	1.08	0.01
3102503	WEHRLE DR 335	2	20	20	1.02	0.06
3102802	EBENEZER 361	2	42	41	0.99	0.04
3100802	ERIE ST 203	2	37	36	0.96	0.03
3105201	ROLL RD 512	11	288	277	0.96	0.10
3101603	ALDEN 264	5	43	41	0.95	0.03
3100104	LEGION DR 510	4	396	373	0.94	2.08
3103702	CEMETERY RD 490	6	2,788	2,611	0.94	1.15
3101001	INDIAN CHURCH RD 223	2	32	28	0.86	0.03
3103903	SOUTH PARK 473	3	461	393	0.85	1.69
3104002	LOSSON RD 401	8	254	208	0.82	0.23
3104005	LOSSON RD 405	2	955	775	0.81	1.24
3102505	WEHRLE DR 334	3	40	32	0.80	0.04
3103902	SOUTH PARK 472	14	2,163	1,663	0.77	1.54
3104003	LOSSON RD 403	4	31	22	0.75	0.01
3100702	FROG VALLEY 185	5	82	61	0.73	0.28
3100804	ERIE ST 205	3	271	189	0.70	0.14
3101101	SLOAN 229	1	17	11	0.67	0.01
3102203	BLOSSOM 314	9	1,241	830	0.67	1.25
3102603	EAST AURORA 343	4	26	18	0.67	0.03
3104902	NEW GARDENVILLE	10	427	205	0.48	0.40
3103101	DICK RD 390	4	425	180	0.42	0.97
3103202	LANGER RD 431	1	53	20	0.38	0.07
3101002	INDIAN CHURCH RD 224	1	509	187	0.37	1.00
3103205	LANGER RD 434	1	6	2	0.30	0.01
3101903	ORCHARD PARK 287	1	698	117	0.17	1.00
3101901	ORCHARD PARK 285	4	868	115	0.13	1.03

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

LIBERTY						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2408901	ORG-BARKER RD ORG	6	69	522	7.55	6.27
2408901	ORG-BARKER RD ORG	5	60	410	6.83	5.45
2404030	WILLOWEMOC 030	15	572	3,895	6.81	1.48
2409101	ORG-ROWLEY RD ORG	3	20	132	6.62	3.33
2408201	PPL-COLONIAL ST PPL	2	6	39	6.39	
2403607	WALDEN 707	5	25	154	6.17	0.03
2408101	PPL-GRASSY SWAMP	1	1	6	5.60	0.20
2408501	CHU-BLUE HILL RD CHU	1	4	22	5.60	1.00
2408601	CHU-THUNDER HILL RD	1	6	34	5.60	1.20
2402480	NEVERSINK 080	16	1,733	8,866	5.12	1.84
2402623	Roch Hill 223	4	194	972	5.01	0.44
2401970	LIVINGSTON MANOR	17	1,410	6,993	4.96	1.24
2402324	MONTICELLO 139	1	249	1,038	4.17	0.94
2408201	PPL-COLONIAL ST PPL	2	6	25	4.08	
2402786	ROSCOE 286	20	1,088	4,341	3.99	1.54
2409101	ORG-ROWLEY RD ORG	2	16	63	3.98	2.67
2401763	KIAMESHA 263	12	57	215	3.80	0.10
2401198	CONCORD 198	7	745	2,783	3.74	3.16
2401275	FOSTERDALE 107	10	305	1,088	3.57	0.56
2402787	ROSCOE 287	13	429	1,490	3.47	0.75
2408801	ORG-FOX HILL RD ORG	6	126	434	3.44	5.04
2400435	COCHECTON CENTER	12	762	2,602	3.41	3.36
2402624	Rock Hill 224	2	2	7	3.40	0.00
2401196	CONCORD 196	4	141	462	3.28	0.90
2401011	BEAVER BROOK 011	5	17	56	3.27	0.09
2401761	KIAMESHA 261	8	1,011	3,265	3.23	2.94
2401276	FOSTERDALE 108	3	90	289	3.21	0.25
2403738	Mountaindale 208	10	1,410	4,468	3.17	3.38
2402584	OLD FALLS 284	12	758	2,374	3.13	1.38
2401514	HAZEL 353	18	910	2,785	3.06	2.64
2402625	ROCK HILL 125	12	313	955	3.05	0.31
2407716	ROCK VALLEY 216	9	555	1,646	2.97	4.37
2403404	YULAN 204	43	1,376	4,057	2.95	0.73
2401611	JEFFERSONVILLE 111	24	1,491	4,376	2.94	1.65
2403885	CALLICOON 285	43	1,747	5,096	2.92	1.08
2402583	OLD FALLS 283	24	2,428	6,943	2.86	1.74
2401610	JEFFERSONVILLE 110	42	900	2,523	2.80	0.53
2403252	WHITE LAKE 290	34	1,978	5,404	2.73	1.29
2401589	HAZEL 189	6	244	656	2.69	0.43
2403195	SWAN LAKE 157	10	1,091	2,896	2.65	2.01
2403194	SWAN LAKE 158	9	1,273	3,359	2.64	1.91
2403736	MOUNTAINDALE 206	13	1,442	3,804	2.64	2.38
2403734	MOUNTAINDALE 207	18	3,191	8,359	2.62	2.62
2402820	SACKETT LAKE 020	13	1,962	5,010	2.55	2.76
2401197	CONCORD 197	2	228	540	2.37	1.05

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

LIBERTY						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2407617	FRENCH WOODS 217	4	56	131	2.35	0.32
2402321	MONTICELLO 136	5	983	2,289	2.33	1.11
2401612	JEFFERSONVILLE 112	17	372	864	2.32	0.54
2403605	WALDEN 705	10	823	1,911	2.32	0.37
2408801	ORG-FOX HILL RD ORG	5	104	234	2.24	4.16
2404201	WHITE SULPHER	5	774	1,716	2.22	1.45
2404401	FREMONT-ACIDALIA	15	563	1,190	2.11	2.59
2403658	WALDEN 358	45	2,573	5,339	2.07	1.81
2403659	WALDEN 359	47	7,121	14,685	2.06	2.15
2402182	LUXTON LAKE 182	19	3,033	6,207	2.05	3.17
2403251	WHITE LAKE 151	30	1,209	1,484	1.23	0.78
2401310	GROSSINGER 210	26	2,971	3,638	1.22	2.76
2402588	OLD FALLS 288	4	1,195	1,411	1.18	0.78
2402322	MONTICELLO 137	6	298	344	1.15	0.49
2401311	GROSSINGER 211	27	2,643	2,853	1.08	1.93
2402229	MAPLEWOOD 229	15	5,312	5,300	1.00	3.13
2401844	LIBERTY 144	3	129	116	0.90	0.11
2401845	LIBERTY 145	2	478	362	0.76	0.98
2403999	HILLDALE 225	27	3,616	2,655	0.73	2.03
2402227	MAPLEWOOD 127	9	609	434	0.71	1.29
2401971	LIVINGSTON MANOR 071	3	333	126	0.38	1.06
2402821	SACKETT LAKE 121	4	329	95	0.29	1.12
2402323	MONTICELLO 138	2	606	130	0.21	1.01

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

LOCKPORT						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3200206	TRANSIT 113	3	117	488	4.17	0.14
3200205	TRANSIT 112	2	152	458	3.01	0.18
3201701	SOUTH NIAGARA ST 201	4	1,369	3,016	2.20	1.78
3200103	VINE ST 103	3	6	13	2.18	0.01
3200505	LOCUST ST 151	7	1,803	3,188	1.77	1.41
3200503	LOCUST ST 154	7	110	194	1.76	0.43
3200602	CHESTNUT RIDGE 190	3	880	1,239	1.41	1.08
3200601	CHESTNUT RIDGE 191	6	1,410	1,910	1.35	1.09
3200207	TRANSIT 114	3	39	51	1.33	0.07
3200501	LOCUST ST 152	6	54	61	1.12	0.02
3200504	LOCUST ST 150	15	4,564	4,896	1.07	1.50
3200401	MILL ST 130	2	37	38	1.02	0.06
3200502	LOCUST ST 153	6	48	39	0.81	0.03
3200402	MILL ST 131	2	2	1	0.72	0.01
3200101	VINE ST 101	3	195	130	0.67	0.38
3201702	SOUTH NIAGARA ST 202	1	32	21	0.65	0.11

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

MECHANICVILLE						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1204301	SNOWS CORNERS 608	4	92	549	5.97	0.23
1208901	SLATEVILLE 620	3	16	90	5.63	0.07
1209017	NM-MECHANICVILLE 917	1	22	123	5.58	1.00
1203501	MELLONVILLE 150	6	102	553	5.43	0.19
1203502	MELLONVILLE 151	6	130	701	5.40	0.12
1201801	TIPLADY RD TAP 628	4	22	115	5.22	0.17
1204401	Cobb Hill Tap 609	6	228	1,068	4.68	0.32
1209238	NM-CHATHAM 938	1	6	27	4.50	1.00
1203901	CROOKED LAKE 170	7	130	560	4.30	0.10
1203401	CANAAN 145	30	820	2,991	3.65	0.98
1203902	CROOKED LAKE 613	14	831	2,544	3.06	0.90
1201202	SALEM 176	5	17	51	3.02	0.04
1201201	SALEM 175	8	34	101	2.93	0.06
1205304	SARATOGA AFS PVT	2	2	6	2.88	0.40
1209115	NM-GRANVILLE 915	1	5	14	2.85	1.00
1204003	CRARYVILLE 611	14	416	1,127	2.71	0.68
1203702	WEST SAND LAKE 161	1	451	1,203	2.67	1.00
1209788	NM-CHATHAM-ROGERS	1	1	3	2.62	0.20
1201701	SALEM TAP 627	13	479	1,247	2.60	0.35
1203805	WEST LEBANON 165	15	974	2,522	2.59	1.00
1205402	KLINE KILL 630	37	831	2,072	2.49	0.36
1209137	NM-GRANVILLE 370	2	10	24	2.46	2.50
1201301	COMSTOCK-GRANVILLE	28	541	1,285	2.37	0.40
1204004	CRARYVILLE 610	82	6,137	13,544	2.21	3.04
1203606	CHATHAM 156	4	177	388	2.19	0.88
1202112	COONS CROSSING 601	10	625	1,355	2.17	1.83
1209029	NM-MECHANICVILLE 929	1	3	7	2.17	1.00
1203302	WYNANTSKILL 141	6	1,111	2,389	2.15	1.12
1201401	GRANVILLE-SALEM TAP	22	1,929	4,103	2.13	2.08
1204001	CRARYVILLE 400	29	1,671	3,456	2.07	0.98
1203806	WEST LEBANON 166	12	252	498	1.97	0.41
1204201	WEST SAND LAKE TAP	7	1,577	2,893	1.83	2.20
1201102	GRANVILLE 302	5	86	155	1.81	0.11
1203605	CHATHAM 155	5	131	227	1.74	0.15
1201601	VANESS RD TAP 604	5	366	583	1.59	1.31
1205901	RAYLINSKI TAP 606	18	7,447	11,874	1.59	1.87
1206002	MULBERRY 602	20	3,980	6,118	1.54	1.42
1205403	KLINE KILL 631	34	1,200	1,838	1.53	0.69
1203102	RUTLAND 131	16	1,622	2,452	1.51	2.79
1203301	WYNANTSKILL 140	2	41	61	1.49	0.04
1202215	STILLWATER 215	5	139	201	1.45	0.13
1203206	STEPHENTOWN 136	16	935	1,358	1.45	0.92
1202110	COONS CROSSING 607	15	6,725	9,664	1.44	2.13
1203207	STEPHENTOWN 622	42	6,181	8,766	1.42	3.34
1203101	RUTLAND 130	5	1,111	1,548	1.39	2.37

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

MECHANICVILLE						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1202111	COONS CROSSING 211	2	4	5	1.35	0.02
1204101	WYNANTSKILL TAP 416	3	66	81	1.22	0.10
1209243	NM-CHATHAM 943	1	10	12	1.22	1.00
1201501	FLIKE RD TAP 605	2	88	84	0.95	0.28
1202310	MECHANICVILLE 410	11	2,732	2,412	0.88	1.19
1202312	MECHANICVILLE 412	4	3,722	1,497	0.40	2.04
1201101	GRANVILLE 301	3	368	137	0.37	1.02

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ONEONTA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2309470	CHU-WALTON1 070	1	1	16	16.37	0.14
2309665	PENN ELEC-WALTON 065	1	4	41	10.28	0.50
2309659	PENN ELEC-WALTON 059	2	2	15	7.83	1.00
2309947	NM-NORWICH 047	2	2	14	6.92	0.33
2303345	AFTON-ONEONTA 245	3	26	147	5.65	0.20
2304232	ORISKANY FALLS 142	12	820	4,402	5.37	0.82
2308417	SANDS CREEK 217	9	313	1,614	5.16	3.16
2305112	NORTH NORWICH 012	8	334	1,670	5.00	0.78
2307645	GRAND GORGE 245	30	439	2,102	4.79	0.31
2304612	BRIDGEWATER 012	7	130	616	4.74	0.23
2309364	NM-ONEONTA 064	1	2	9	4.73	0.25
2309857	NM-CRUMHORN LAKE 057	2	72	339	4.70	2.06
2300922	UNADILLA 022	16	571	2,662	4.66	0.50
2300520	OTEGO 200	17	1,647	7,598	4.61	1.46
2304812	EATON 012	6	654	2,959	4.53	0.94
2304725	EARLVILLE 225	16	1,277	5,605	4.39	1.93
2307211	DELHI 211	21	194	801	4.13	0.22
2304122	NEW BERLIN 022	12	739	3,004	4.07	1.39
2300222	HENRY ST 151	2	30	122	4.05	0.04
2307412	DOWNSVILLE 012	16	392	1,572	4.01	0.33
2309789	NM-WALTON 089	2	3	12	3.99	1.50
2306960	WEST WINFIELD 260	19	6,037	23,791	3.94	4.62
2301612	MORRIS 012	3	8	31	3.92	0.02
2300162	SAND ST 062	3	190	738	3.88	0.32
2304222	ORISKANY FALLS 141	6	73	284	3.88	0.11
2300823	COOPERSTOWN 123	4	41	157	3.83	0.05
2307715	HANCOCK 215	4	71	271	3.83	0.66
2301123	JORDANVILLE 023	5	20	76	3.80	0.08
2306330	ARKVILLE 230	30	996	3,770	3.78	0.35
2308105	RIVER RD 105	19	1,510	5,528	3.66	1.47
2307309	DEPOSIT 109	34	1,486	5,399	3.63	1.07
2300304	PIERCE AVE 204	8	73	262	3.60	0.13
2306961	WEST WINFIELD 261	10	164	585	3.56	0.12
2303912	SOUTH EDMESTON 012	10	1,285	4,551	3.54	3.45
2304312	OXFORD 012	16	169	597	3.52	0.17
2309751	NM-WALTON 051	4	84	292	3.48	4.00
2301822	RICHFIELD SPRINGS 022	3	57	198	3.47	0.13
2304726	EARLVILLE 226	15	1,699	5,749	3.38	2.06
2301614	MORRIS 214	12	483	1,620	3.36	0.73
2304322	OXFORD 022	16	517	1,629	3.15	0.57
2300732	BAINBRIDGE 032	2	58	179	3.10	0.24
2300612	COLLIERS 012	9	199	611	3.07	0.17
2302124	WEST DAVENPORT 022	1	30	91	3.03	0.06
2301970	SPRINGFIELD CENTER	28	263	794	3.01	0.26
2308240	WINDHAM 240	32	683	2,058	3.01	0.47

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ONEONTA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2301212	GILBERTSVILLE 012	18	497	1,482	2.98	0.75
2308104	RIVER RD 104	9	238	708	2.97	0.21
2308238	WINDHAM 238	2	4	11	2.86	0.04
2301412	MOUNT UPTON 012	18	477	1,353	2.84	0.69
2308239	WINDHAM 239	13	1,760	4,972	2.83	1.14
2307210	DELHI 210	5	22	61	2.79	0.02
2305515	EAST NORWICH 515	36	4,028	11,201	2.78	1.42
2305065	MORRISVILLE 265	23	1,589	4,394	2.77	2.64
2309663	PENN ELEC-WALTON 063	1	1	3	2.73	1.00
2308312	FINCH HOLLOW 012	6	550	1,481	2.69	1.24
2305222	WATERVILLE 022	6	193	505	2.62	0.50
2304112	NEW BERLIN 012	24	1,317	3,419	2.60	1.69
2302112	WEST DAVENPORT 012	15	444	1,150	2.59	0.44
2305312	WOODS CORNERS 012	12	96	248	2.59	0.13
2307912	SHANDAKEN 012	15	569	1,458	2.56	0.97
2305412	SOUTH NEW BERLIN 012	8	114	289	2.53	0.20
2304082	BIRDSALL 082	1	85	212	2.50	0.11
2300912	UNADILLA 012	7	444	1,106	2.49	0.37
2301812	RICHFIELD SPRINGS 012	20	772	1,899	2.46	0.48
2300512	OTEGO 012	5	636	1,533	2.41	1.07
2306212	BELL AYRE 212	13	218	520	2.39	0.20
2301022	SIDNEY-RAILROAD 022	2	3	8	2.37	0.01
2304727	EARLVILLE 227	12	2,003	4,710	2.35	1.84
2305516	EAST NORWICH 516	20	383	894	2.34	0.21
2307716	HANCOCK 216	42	2,660	6,183	2.33	1.73
2304942	EDMESTON 220	19	1,025	2,380	2.32	1.30
2309558	CHU-WALTON2 058	2	22	52	2.32	2.00
2307390	DEPOSIT 290	11	1,683	3,875	2.30	1.57
2309369	NM-ONEONTA 069	3	19	42	2.21	2.11
2307011	AXTELL RD 511	22	3,819	8,391	2.20	3.04
2301012	SIDNEY-RAILROAD 012	11	117	253	2.17	0.08
2301358	MILFORD 258	22	5,216	11,173	2.14	4.62
2307032	AXTELL RD 032	10	161	339	2.10	0.19
2300821	COOPERSTOWN 121	9	307	631	2.06	0.37
2307647	GRAND GORGE 247	12	711	1,458	2.05	0.82
2300522	OTEGO 022	10	48	96	2.03	0.05
2302075	SOUTH COOPERSTOWN	16	1,022	2,065	2.02	0.98
2301512	EMMONS 012	1	3	6	1.93	0.01
2307901	SHANDAKEN 501	18	363	700	1.93	0.20
2307010	AXTELL RD 510	16	1,296	2,477	1.91	1.24
2308102	RIVER RD 102	5	85	159	1.90	0.08
2306435	ANDES 235	30	900	1,700	1.89	0.54
2302704	BROTHERTOWNE 504	13	858	1,609	1.88	1.41
2307712	HANCOCK 012	2	9	17	1.88	0.02
2301032	SIDNEY-RAILROAD 032	3	71	131	1.86	0.06

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ONEONTA						
Circuit	**Circuit Description**	**Interruptions**	**Customers Affected**	**Customer Hours Interrupted**	**CAIDI**	**SAIFI**
2304512	BOUCKVILLE 012	8	1,166	2,142	1.84	1.18
2307646	GRAND GORGE 246	17	1,819	3,241	1.78	2.02
2303012	GUILDFORD CENTER 012	16	1,051	1,593	1.52	1.22
2308241	WINDHAM 241	4	48	72	1.51	0.07
2300712	BAINBRIDGE 012	13	602	893	1.48	0.57
2305066	MORRISVILLE 266	4	867	1,274	1.47	1.02
2300142	SAND ST 042	3	26	37	1.42	0.03
2305006	MORRISVILLE 106	2	55	77	1.41	1.04
2306217	BELL AYRE 217	1	3	4	1.38	0.07
2309505	CHU-WALTON2 005	1	6	8	1.32	1.00
2301327	MILFORD 227	26	3,067	3,768	1.23	2.71
2300303	PIERCE AVE 203	9	127	146	1.13	0.14
2300722	BAINBRIDGE 022	4	13	14	1.05	0.02
2300312	PIERCE AVE 012	1	22	21	0.97	0.06
2300332	PIERCE AVE 032	2	21	19	0.89	0.03
2305212	WATERVILLE 012	5	267	223	0.84	0.33
2301522	EMMONS 022	2	75	53	0.70	0.37
2307310	DEPOSIT 110	1	64	36	0.57	0.13
2300152	SAND ST 052	1	14	6	0.43	0.01
2306218	BELL AYRE 218	3	429	148	0.34	1.13

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

PLATTSBURGH						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1503902	MASON CORNERS 451	11	185	900	4.86	0.24
1509301	NM-TAYLOR RD NIM	1	9	42	4.68	0.39
1503002	KEESESVILLE 153	1	52	205	3.93	0.10
1509401	NM-TROUT RIVER NIM	1	7	22	3.12	0.88
1502701	STICKNEY BRIDGE 210	8	121	365	3.02	0.22
1502574	HIGH FALLS 474	25	880	2,603	2.96	0.71
1509201	NM-RAQUETTE SHORES	3	85	247	2.90	3.04
1502601	JAY 502	10	409	1,098	2.69	1.15
1501001	WEST CHAZY 136	21	628	1,681	2.68	0.56
1500114	CHATEAUGAY 514	49	1,460	3,867	2.65	0.70
1500817	HYDE 417	12	450	1,128	2.51	0.52
1502602	JAY 411	34	1,763	4,302	2.44	1.14
1508701	NM-COONROD RD NIM	3	6	14	2.41	3.00
1500113	CHATEAUGAY 513	27	5,008	11,712	2.34	5.31
1503401	HARRIS LAKE 424	16	2,406	5,380	2.24	3.80
1508801	NM-MEGSVILLE RD NIM	1	3	7	2.22	1.00
1500517	SCIOTA-FLATROCK 517	59	1,189	2,614	2.20	0.39
1501501	WOODRUFF POND 460	17	1,448	3,164	2.19	1.62
1501802	CABOT MINE 414	16	172	346	2.00	0.19
1500901	LYON MTN 510	35	4,140	7,645	1.85	3.11
1503701	BARTON BROOK 403	21	1,410	2,585	1.83	1.63
1501801	CABOT MINE 413	23	3,892	6,881	1.77	3.11
1503201	PERU 426	14	667	1,180	1.77	0.55
1509101	NM-JUDSON RD NIM	2	10	18	1.76	1.11
1503101	NORTON 420	42	1,774	3,077	1.74	1.61
1502244	DANNEMORA 444	18	4,851	8,299	1.71	3.63
1503901	MASON CORNERS 450	18	1,727	2,826	1.64	1.32
1501601	BLUE MTN LAKE 504	33	5,131	7,929	1.55	4.24
1502101	CLINTONVILLE 456	5	98	143	1.46	0.33
1504507	ARIZONA AVE 407	1	17	24	1.42	0.24
1501137	BANKER RD 437	11	4,422	6,164	1.39	3.08
1501370	LIMESTONE 470	9	287	390	1.36	0.33
1502030	HAMMOND LANE 430	13	80	109	1.36	0.09
1503202	PERU 427	34	2,581	3,519	1.36	2.15
1502031	HAMMOND LANE 431	8	544	736	1.35	0.83
1501401	BEEKMANTOWN 133	7	101	126	1.25	0.11
1504508	ARIZONA AVE 408	3	16	19	1.24	0.17
1503047	KEESESVILLE 447	33	1,849	2,240	1.21	0.96
1502032	HAMMOND LANE 432	4	237	278	1.18	1.22
1502245	DANNEMORA 445	1	3	4	1.17	1.00
1501502	WOODRUFF POND 461	4	1,094	1,191	1.09	1.10
1503702	BARTON BROOK 404	16	1,691	1,639	0.97	2.47
1501766	SOUTH JUNCTION 466	11	2,159	1,988	0.92	3.25
1501371	LIMESTONE 471	1	32	28	0.87	0.13
1501767	SOUTH JUNCTION 467	19	5,020	4,309	0.86	3.05

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

AUBURN						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4402102	STRYKER AVE 721	15	5,418	4,523	0.83	2.96
4401602	MARIETTA 511	21	2,797	5,344	1.91	2.95
4403401	BRUTON RD 521	4	230	392	1.71	2.71
4400701	AURORA 707	7	1,058	1,809	1.71	2.67
4403301	MORAVIA-AUBURN 704	7	279	396	1.42	2.36
4401701	GENOA 603	16	1,266	2,084	1.64	2.34
4402101	STRYKER AVE 702	15	5,448	2,744	0.50	2.26
4409229	NM-GLENHAVEN RD	2	94	214	2.28	2.24
4400101	CAYUGA 631	10	1,047	8,162	7.80	2.00
4408698	ROUTE 31 098	1	2	5	2.48	2.00
4400304	WRIGHT AVE 520	12	790	2,660	3.37	1.85
4400501	GRANT AVE 718	4	1,393	2,192	1.57	1.76
4401702	GENOA 604	3	299	421	1.41	1.74
4401801	SCIPIO 605	10	623	1,050	1.68	1.58
4403201	KING FERRY 528	9	663	1,220	1.84	1.47
4400601	SWIFT AVE 314	4	917	676	0.74	1.42
4400503	GRANT AVE 720	13	1,048	2,729	2.60	1.35
4408501	SAVANNAH 630	5	380	1,556	4.10	1.33
4401201	WEEDSPORT 628	9	1,163	876	0.75	1.31
4400502	GRANT AVE 719	6	881	2,295	2.60	1.30
4402901	HAMILTON RD 530	10	1,033	1,584	1.53	1.21
4401802	SCIPIO 606	10	415	371	0.90	1.10
4400602	SWIFT AVE 315	2	927	1,102	1.19	1.09
4401202	WEEDSPORT 629	9	628	159	0.25	1.08
4400702	AURORA 708	25	760	1,544	2.03	1.07
4400203	STATE ST 710	33	1,904	6,130	3.22	1.00
4400603	SWIFT AVE 316	1	1,478	1,283	0.87	0.98
4401501	OTISCO 701	9	455	1,503	3.30	0.82
4401503	OTISCO 703	9	510	4,031	7.90	0.77
4405001	WHITING RD 526	13	735	2,789	3.80	0.66
4400302	WRIGHT AVE 705	6	401	480	1.20	0.54
4401301	JORDAN 613	17	501	2,766	5.52	0.47
4400303	WRIGHT AVE 706	15	319	514	1.61	0.44
4400900	GREEN ST 316	1	154	162	1.05	0.35
4401102	PORT BYRON 633	8	265	915	3.45	0.25
4401402	MARCELLUS 627	5	222	541	2.44	0.25
4400102	CAYUGA 632	11	93	585	6.28	0.22
4400202	STATE ST 709	14	410	707	1.73	0.16
4400305	WRIGHT AVE 703	4	54	119	2.20	0.14
4401101	PORT BYRON 611	9	76	605	7.98	0.13
4401302	JORDAN 714	6	132	540	4.10	0.13
4401401	MARCELLUS 626	5	111	349	3.13	0.10
4400301	WRIGHT AVE 704	1	85	40	0.47	0.08
4400802	CLARK ST 322	2	53	68	1.29	0.07
4400801	CLARK ST 306	1	11	11	0.97	0.05

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

BINGHAMTON						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
8103101	CHENANGO FORKS 206	6	973	3,698	3.80	3.99
8104401	WILLET 423	37	3,621	9,599	2.65	3.26
8104602	KATTLEVILLE 426	14	2,403	2,565	1.07	2.92
8107701	WEST CREEK RD 513	15	1,252	1,744	1.39	2.79
8103002	CENTER VILLAGE 248	29	2,743	8,944	3.26	2.78
8106501	RICHFORD 524	6	487	1,068	2.19	2.54
8105601	OUAQUAGA WEST 430	12	532	981	1.84	2.52
8105701	MARTIN HILL 430	8	940	2,347	2.50	2.37
8105501	HOADLEY HILL 430	17	1,573	2,579	1.64	2.37
8102301	GENEGANTSLET CORNERS	20	3,465	5,444	1.57	2.36
8104404	WILLET 418	14	1,432	3,001	2.10	2.24
8103901	BERKSHIRE 746	8	1,758	2,650	1.51	2.23
8105002	FULLER HOLLOW 616	4	1,199	2,330	1.94	2.14
8102901	AFTON 429	38	4,362	10,129	2.32	2.12
8101702	CHENANGO BRIDGE 742	6	2,190	3,694	1.69	2.06
8107901	LISLE 417	17	998	3,718	3.73	2.03
8100402	NOYES ISLAND 103	2	927	1,304	1.41	1.98
8104201	MORNINGSIDE HEIGHTS	2	918	1,869	2.04	1.78
8102801	LOUNSBERRY 178	28	1,675	5,104	3.05	1.76
8103501	SOUTH OTSELIC 427	13	829	2,073	2.50	1.74
8102802	LOUNSBERRY 179	17	1,620	4,617	2.85	1.71
8105801	BODLE HILL TAP 515	24	2,905	5,310	1.83	1.59
8100417	NOYES ISLAND 277	1	63	20	0.32	1.54
8104402	WILLET 421	10	590	1,325	2.25	1.43
8107601	OUAQUAGA EAST 430	4	382	919	2.40	1.36
8103803	WINDSOR 758	18	821	2,671	3.25	1.35
4301202	CANDOR 722	5	663	1,759	2.65	1.33
8105901	CHERRY HILL 417	2	268	475	1.77	1.29
8101705	CHENANGO BRIDGE 428	15	2,416	5,713	2.36	1.22
8103401	MARATHON 434	7	645	2,324	3.60	1.17
8105001	FULLER HOLLOW 615	5	1,551	2,768	1.78	1.17
8100603	GLENWOOD 682	3	1,079	1,194	1.11	1.11
8100405	NOYES ISLAND 111	4	1,255	1,900	1.51	1.04
8100602	GLENWOOD 681	2	1,121	1,278	1.14	1.04
8102603	WHITNEY POINT 781	13	559	1,393	2.49	1.03
8100607	GLENWOOD 686	4	1,887	2,161	1.15	1.03
8100701	JARVIS ST 687	3	1,120	1,273	1.14	1.03
8101503	NOWLAN RD 228	3	588	394	0.67	1.02
8101701	CHENANGO BRIDGE 741	1	1,009	2,556	2.53	1.01
8100605	GLENWOOD 684	2	1,777	2,015	1.13	1.01
8100606	GLENWOOD 685	1	276	313	1.13	1.01
8109201	CLAVERACK-BING 001	1	21	101	4.83	1.00
8100901	ENDICOTT CLARK ST 735	1	652	1,348	2.07	1.00
8104202	MORNINGSIDE HEIGHTS	1	603	933	1.55	1.00
8104502	NORTHSIDE 456	1	513	626	1.22	1.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 20112to December 31, 2012

BINGHAMTON						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
8101703	CHENANGO BRIDGE 743	0	75	184	2.45	0.97
8109201	CLAVERACK-BING 001	1	20	39	1.97	0.95
8104601	KATTLEVILLE 422	26	2,596	3,186	1.23	0.92
8101302	WEST UNION 661	6	1,017	1,912	1.88	0.91
8109601	NYS-CANAL ST TAP 513	25	1,545	3,986	2.58	0.84
8102002	BODLE HILL 646	6	786	984	1.25	0.82
4302501	HALSEY VALLEY 530	7	370	914	2.47	0.80
8104304	OAKDALE 628	6	425	484	1.14	0.75
8103602	TARBELL 602	13	367	1,272	3.46	0.68
8105201	KINGSMAN RD 422	3	66	244	3.70	0.62
8100418	NOYES ISLAND 278	2	320	1,014	3.17	0.54
8102604	WHITNEY POINT 782	6	200	338	1.69	0.50
4301201	CANDOR 529	12	501	1,621	3.24	0.47
8104102	CASTLE GARDEN 622	18	1,083	2,282	2.10	0.43
8101502	NOWLAN RD 227	3	150	626	4.18	0.42
8102503	MAINE 268	3	96	193	2.01	0.42
8109806	NORTH ENDICOTT 361	11	778	2,888	3.71	0.41
8103301	GREENE 425	24	310	1,083	3.50	0.41
8102702	LANGDON 427	10	409	655	1.60	0.40
8103702	VINCENT CORNERS 269	8	185	197	1.06	0.38
8100703	JARVIS ST 689	4	721	1,475	2.05	0.37
8103801	WINDSOR 757	12	311	822	2.64	0.35
8100203	BURR AVE 710	7	147	342	2.33	0.35
8109001	NM-BINGHAMTON 001	1	1	8	8.08	0.33
8100206	BURR AVE 612	3	311	342	1.10	0.31
8100504	GOUDEY 724	1	37	109	2.95	0.30
8101801	CONKLIN 229	10	288	418	1.46	0.28
8101901	APALACHIN 176	12	219	576	2.63	0.27
8104303	OAKDALE 627	10	212	723	3.40	0.24
8105003	FULLER HOLLOW 617	16	388	1,049	2.71	0.24
8100501	GOUDEY 721	2	62	140	2.27	0.23
8102602	WHITNEY POINT 780	5	81	807	9.96	0.22
8101604	WHITNEY AVE 654	4	117	177	1.50	0.22
8101402	VESTAL 715	1	112	282	2.52	0.21
8102201	WHIG ST 783	13	221	433	1.96	0.21
8104901	SANATARIA SPRINGS 211	9	142	210	1.48	0.21
8107402	SOUTH OWEGO 540	13	142	293	2.07	0.20
8101401	VESTAL 623	9	305	482	1.58	0.18
8102701	LANGDON 610	14	240	446	1.86	0.17
8100401	NOYES ISLAND 101	1	70	99	1.42	0.17
8102704	LANGDON 609	1	97	139	1.43	0.15
8100903	ENDICOTT CLARK ST 629	12	407	938	2.31	0.14
8101002	ENDICOTT RAILWAY 188	5	120	194	1.62	0.13
8101101	ENDICOTT HILL 181	3	144	222	1.55	0.11
8103302	GREENE 607	5	46	143	3.11	0.10

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

BINGHAMTON						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
8104902	SANATARIA SPRINGS 212	5	57	95	1.65	0.10
8101102	ENDICOTT HILL 183	2	70	91	1.29	0.10
8101803	CONKLIN 263	4	57	534	9.36	0.09
8102501	MAINE 266	4	50	145	2.90	0.09
8102703	LANGDON 608	3	22	32	1.44	0.09
8102001	BODLE HILL 645	2	27	55	2.04	0.08
8102101	OWEGO 144	2	51	88	1.73	0.07
8100801	HOOPER RD 701	3	71	121	1.71	0.07
8103203	CINCINNATUS 761	7	52	86	1.64	0.07
8108001	INGRAHAM HILL 433	6	34	50	1.45	0.07
8100303	HARPUR 670	2	13	14	1.08	0.07
8100503	GOUDEY 723	2	49	51	1.05	0.07
8100103	MORRIS ST 659	8	79	188	2.40	0.06
8100407	NOYES ISLAND 121	1	70	80	1.15	0.06
8104001	GLEN AUBREY 417	2	16	10	0.63	0.06
8104302	OAKDALE 626	5	84	234	2.80	0.05
8101201	RANO 693	2	10	18	1.82	0.05
8100802	HOOPER RD 702	1	23	3	0.13	0.04
8100804	HOOPER RD 704	2	29	148	5.09	0.03
4305101	CASS HILL-ITHACA 743	2	5	8	1.51	0.03
8104101	CASTLE GARDEN 621	4	35	50	1.43	0.03
8100301	HARPUR 668	1	6	41	6.82	0.02
8101501	NOWLAN RD 226	2	24	110	4.57	0.02
8102401	FLEMINGVILLE 173	6	15	55	3.60	0.02
8100706	JARVIS ST 692	1	42	76	1.82	0.02
8101301	WEST UNION 660	2	26	41	1.58	0.02
8108201	ROUTE 38 513	1	3	3	0.87	0.02
8100803	HOOPER RD 703	2	14	9	0.65	0.02
8100304	HARPUR 671	1	24	12	0.52	0.02
8100102	MORRIS ST 658	2	8	31	3.90	0.01
8100502	GOUDEY 722	1	12	35	2.90	0.01
8100101	MORRIS ST 657	2	20	40	2.01	0.01
8101606	WHITNEY AVE 656	2	8	13	1.58	0.01
8101003	ENDICOTT RAILWAY 190	1	1	1	0.68	0.01
8100201	BURR AVE 708	1	11	6	0.57	0.01
8100204	BURR AVE 711	2	3	3	1.12	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

BREWSTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1108701	CHU-TOWER HILL RD	8	148	1,070	7.23	6.17
1106575	WEST PATTERSON 475	35	7,145	14,669	2.05	4.84
1105978	DINGLE RIDGE 278	11	1,481	2,633	1.78	4.20
1106574	WEST PATTERSON 474	14	3,325	3,932	1.18	3.75
1107434	HAVILAND HOLLOW	19	3,375	4,904	1.45	3.24
1106121	GOLDEN BRIDGE 421	38	3,546	7,285	2.06	3.15
1105113	ADAMS CORNERS 413	15	2,150	3,263	1.52	3.08
1105691	KENT CLIFFS 291	16	2,127	2,913	1.37	2.91
1106108	GOLDEN BRIDGE 418	24	2,919	3,623	1.24	2.89
1107844	TEN MILE RIVER 444	26	4,262	6,781	1.59	2.69
1107190	TEAKETTLE SPOUT 490	4	2,072	2,694	1.30	2.40
1106858	POUND RIDGE 458	23	1,275	4,284	3.36	2.26
1106120	GOLDEN BRIDGE 420	6	2,447	4,758	1.94	2.20
1105597	CANTITOE 497	40	2,859	5,060	1.77	2.10
1106277	Kent 177	7	2,057	3,446	1.67	2.04
1109201	CHU-LONG HILL RD	2	6	12	2.03	2.00
1105115	ADAMS CORNERS 412	24	2,771	3,481	1.26	1.99
1105582	CANTITOE 282	15	1,120	2,542	2.27	1.96
1105352	AMENIA 153	10	996	3,687	3.70	1.94
1106104	GOLDEN BRIDGE 414	15	1,864	5,032	2.70	1.91
1106275	KENT 175	10	2,279	3,249	1.43	1.84
1106855	POUND RIDGE 455	38	2,706	4,723	1.75	1.74
1106343	MOHANSIC 405	8	1,807	4,078	2.26	1.73
1107731	UNION VALLEY 431	11	2,504	4,184	1.67	1.67
1105724	CRAFTS 424	15	2,084	2,552	1.22	1.67
1108501	CHU-SEPARATE RD	2	11	23	2.11	1.57
1106984	PUTNAM LAKE 484	21	1,667	2,162	1.30	1.57
1107081	SYLVAN LAKE 481	22	2,389	4,543	1.90	1.54
1105583	CANTITOE 283	8	679	874	1.29	1.53
1108401	CHU-TURKEY RUN CHU	2	3	5	1.64	1.50
1105253	AMAWALK 453	19	2,655	4,502	1.70	1.46
1107189	TEAKETTLE SPOUT 489	16	1,564	3,925	2.51	1.44
1107433	HAVILAND HOLLOW	11	1,046	1,235	1.18	1.44
1106667	PAWLING 509	31	2,062	2,038	0.99	1.40
1107733	UNION VALLEY 433	24	3,001	2,832	0.94	1.32
1105004	CROTON FALLS 515	14	1,564	3,464	2.21	1.22
1107242	TILLY FOSTER 442	7	1,239	1,825	1.47	1.22
1107241	TILLY FOSTER 441	9	1,700	1,029	0.61	1.21
1105111	ADAMS CORNERS 411	17	2,297	4,487	1.95	1.18
1105251	AMAWALK 451	16	1,172	761	0.65	1.12
1105977	DINGLE RIDGE 277	11	374	733	1.96	1.09
1105095	CROTON FALLS 516	12	1,395	1,470	1.05	1.09
1106276	KENT 176	3	886	353	0.40	1.02
1105722	CRAFTS 422	9	1,405	3,688	2.63	0.97
1105870	CROSS RIVER 470	35	1,168	2,701	2.31	0.97

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

BREWSTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1106668	PAWLING 508	23	1,131	1,785	1.58	0.85
1106857	POUND RIDGE 457	13	477	1,526	3.20	0.81
1106986	PUTNAM LAKE 486	19	1,310	1,583	1.21	0.81
1107080	SYLVAN LAKE 480	16	788	981	1.25	0.80
1109706	CARMEL 502	11	1,132	2,405	2.12	0.77
1107237	TILLY FOSTER 437	9	723	1,787	2.47	0.73
1107732	UNION VALLEY 432	8	1,307	3,137	2.40	0.71
1105354	AMENIA 154	19	622	5,079	8.17	0.56
1106856	POUND RIDGE 456	21	540	750	1.39	0.56
1106346	MOHANSIC 406	9	352	1,576	4.48	0.55
1106985	PUTNAM LAKE 485	10	465	476	1.02	0.53
1107078	SYLVAN LAKE 478	20	1,087	2,190	2.02	0.47
1109703	CARMEL 503	8	442	441	1.00	0.46
1106750	PEACH LAKE 250	13	221	385	1.74	0.42
1105679	KENT CLIFFS 292	8	188	527	2.80	0.37
1105425	BEDFORD HILLS 225	9	385	954	2.48	0.37
1105002	CROTON FALLS 514	7	259	899	3.47	0.31
1105869	CROSS RIVER 469	8	228	323	1.41	0.29
1105249	AMAWALK 449	5	330	843	2.56	0.26
1109701	CARMEL 501	17	538	1,267	2.36	0.24
1106749	PEACH LAKE 249	5	195	512	2.63	0.23
1106094	DOVER PLAINS 494	17	479	1,188	2.48	0.23
1105868	CROSS RIVER 468	13	152	233	1.53	0.20
1106107	GOLDEN BRIDGE 417	7	90	234	2.60	0.19
1105723	CRAFTS 423	20	453	688	1.52	0.19
1107843	TEN MILE RIVER 443	8	100	210	2.11	0.14
1109101	CHU-LONG MTN RD	1	1	2	1.73	0.14
1107191	TEAKETTLE SPOUT 491	4	138	284	2.06	0.13
1105462	BEDFORD HILLS 462	12	68	155	2.27	0.07
1106340	MOHANSIC 403	4	34	113	3.33	0.06
1106342	MOHANSIC 404	8	41	60	1.46	0.06
1105463	BEDFORD HILLS 463	8	54	121	2.26	0.04
1107238	TILLY FOSTER 438	7	50	92	1.82	0.03
1107239	TILLY FOSTER 439	2	27	42	1.58	0.03
1105427	BEDFORD HILLS 227	1	2	5	2.43	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ELMIRA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5204447	SOUTH ADDISON 347	27	2,563	8,305	3.24	5.46
5206898	PRATTSBURG TAP 598	7	986	2,118	2.15	5.45
5204141	PRATTSBURG 241	16	2,480	5,913	2.38	4.17
5204140	PRATTSBURG 240	12	1,803	3,696	2.05	4.02
5204398	PULTENEY TAP 598	12	2,242	3,965	1.77	3.59
5200925	HAMPTON RD 325	17	1,950	3,355	1.72	3.43
5202011	MONTOUR FALLS 511	40	4,203	7,974	1.90	3.33
5205435	DINEHARTS 535	5	601	2,607	4.34	3.32
5201419	CHEMUNG 319	19	1,093	2,257	2.06	3.13
5201418	CHEMUNG 318	39	2,422	3,975	1.64	2.46
5204545	WHISKEY CREEK 345	27	1,782	6,330	3.55	2.26
5204003	KEUKA-ELMIRA 203	9	1,801	4,040	2.24	2.21
5204446	SOUTH ADDISON 346	20	2,851	4,308	1.51	2.15
5203833	HAMMONDSPORT 333	12	1,167	4,834	4.14	2.11
5201601	RIDGE RD 501	43	2,987	10,786	3.61	2.00
5203834	HAMMONDSPORT 334	13	1,351	4,045	2.99	1.73
5202528	WOODHULL - ELMIRA	6	122	374	3.07	1.36
5203352	CAMPBELL 352	21	755	2,180	2.89	1.36
5204637	KANONA 337	3	354	910	2.57	1.36
5203139	BATH 339	16	1,203	1,885	1.57	1.32
5206901	MONTOUR ODESSA TAP	13	1,051	3,010	2.87	1.19
5200104	WEST ELMIRA 104	2	479	828	1.73	1.19
5200926	HAMPTON RD 326	5	1,494	6,075	4.07	1.13
5200371	FIRST ST 371	3	464	646	1.39	1.11
5201606	RIDGE RD 306	8	1,073	1,870	1.74	1.05
5204002	KEUKA-ELMIRA 202	2	363	324	0.89	1.03
5204241	PRESHO 341	29	810	2,113	2.61	1.01
5205590	NEW CORNING 390	1	288	293	1.02	1.01
5200549	WOODLAWN AVE 349	1	487	463	0.95	1.01
5200577	WOODLAWN AVE 277	1	5	7	1.38	1.00
5204544	WHISKEY CREEK 344	19	635	2,096	3.30	0.78
5204636	KANONA 336	2	91	121	1.33	0.74
5201022	BULKHEAD 322	13	648	2,592	4.00	0.73
5204782	HICKLING 382	10	631	1,108	1.76	0.66
5201200	BROAD ST 300	12	615	937	1.52	0.58
5201607	RIDGE RD 307	11	366	681	1.86	0.56
5205591	NEW CORNING 391	3	479	798	1.67	0.56
5206335	NORTH URBANA 535	20	755	1,825	2.42	0.52
5201605	RIDGE RD 305	21	749	1,672	2.23	0.52
5200105	WEST ELMIRA 105	4	550	396	0.72	0.50
5208162	Yawger Road 362	14	888	2,608	2.94	0.48
5201021	BULKHEAD 321	21	753	2,265	3.01	0.43
5203723	FULTON ST 223	3	208	618	2.97	0.41
5202033	MONTOUR FALLS 233	11	451	980	2.17	0.41
5200814	RIVERSIDE 314	4	203	432	2.13	0.36

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ELMIRA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5202139	CAYUTA 239	10	119	287	2.41	0.34
5206530	PHILO RD 330	6	235	328	1.40	0.34
5201202	BROAD ST 302	2	171	340	1.98	0.33
5202012	MONTOUR FALLS 512	25	385	781	2.03	0.31
4204001	KEUKA 201	2	227	711	3.13	0.30
5201023	BULKHEAD 323	6	476	953	2.00	0.30
5204781	HICKLING 381	12	303	548	1.81	0.28
5203907	KANE ST 207	9	267	179	0.67	0.28
5200415	HILLCREST RD 315	4	72	151	2.09	0.27
5203908	KANE ST 208	7	211	297	1.41	0.22
4302701	VAN ETTEN 570	9	148	708	4.79	0.20
4203105	DUNDEE 205	9	222	439	1.97	0.19
5203843	HAMMONDSPORT 243	9	151	298	1.98	0.18
5201201	BROAD ST 301	4	123	237	1.93	0.18
5203464	CANADA RD 564	9	320	607	1.90	0.17
5203662	FALLBROOK 362	5	58	93	1.61	0.17
5200812	RIVERSIDE 312	2	21	15	0.73	0.15
5200811	RIVERSIDE 311	5	123	114	0.92	0.14
5206631	BATH TAP 531	2	18	105	5.87	0.12
5203721	FULTON ST 221	4	142	302	2.13	0.11
5203462	CANADA RD 562	14	169	281	1.66	0.11
5200987	HAMPTON RD 087	1	8	20	2.45	0.10
5208163	Yawger Road 363	3	48	68	1.42	0.10
5200286	MADISON AVE 386	3	41	40	0.98	0.10
5200416	HILLCREST RD 316	11	203	273	1.34	0.09
5203351	CAMPBELL 351	3	44	60	1.38	0.08
5201711	GOSS RD 211	5	40	122	3.08	0.06
5204242	PRESHO 342	2	5	38	7.63	0.04
5200619	14TH ST 119	3	37	71	1.93	0.04
5200813	RIVERSIDE 313	1	1	4	4.45	0.03
5203660	FALLBROOK 360	2	49	141	2.87	0.03
5202031	MONTOUR FALLS 231	2	9	22	2.43	0.03
5200111	WEST ELMIRA 111	3	32	64	2.02	0.03
5200583	WOODLAWN AVE 183	2	36	52	1.44	0.03
5200618	14TH ST 118	2	13	33	2.57	0.02
5201204	BROAD ST 304	1	1	1	1.22	0.02
5201028	BULKHEAD 128	1	16	6	0.35	0.02
5203722	FULTON ST 222	1	15	98	6.50	0.01
5206528	PHILO RD 328	1	1	5	4.87	0.01
5200285	MADISON AVE 385	3	9	28	3.03	0.01
5206529	PHILO RD 329	4	9	22	2.61	0.01
5201079	BULKHEAD 079	1	6	12	1.92	0.01
5200266	MADISON AVE 066	1	2	4	1.82	0.01
5200617	14TH ST 117	2	12	17	1.44	0.01
5200989	HAMPTON RD 089	1	1	3	3.42	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

GENEVA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4201801	MAC DOUGALL 601	18	2,754	3,459	1.26	3.97
4203302	BANKERT RD 602	6	1,157	3,985	3.44	3.79
4200405	VAN BUREN ST 605	16	3,896	7,394	1.90	3.15
4204789	RUSHVILLE TAP 589	14	1,376	2,477	1.80	2.94
4201101	LEHIGH ST 601	14	1,326	2,699	2.04	2.64
4202401	MIDDLESEX 201	17	2,880	4,250	1.47	2.63
4207946	SLEIGHT RD 546	35	4,119	6,632	1.61	2.58
4207947	SLEIGHT RD 547	14	1,454	1,230	0.85	2.57
4201802	MAC DOUGALL 702	14	2,415	3,119	1.29	2.55
4202701	ST JOHNS 201	8	735	1,112	1.51	2.53
4203989	VOAK RD 589	8	648	2,199	3.39	2.45
4207769	HYATT RD 569	31	3,694	6,413	1.74	2.32
4203897	FLAT ST 597	43	5,851	9,000	1.54	2.13
4202101	GORHAM 201	4	750	473	0.63	2.08
4202102	GORHAM 202	4	688	400	0.58	2.03
4203507	SENECA ORDNANCE	6	1,012	2,748	2.72	2.00
4204686	HALEY RD 586	5	1,043	1,311	1.26	1.70
4201001	WEST GENEVA 601	18	1,635	3,661	2.24	1.62
4200503	LYONS 603	27	2,478	6,613	2.67	1.54
4202501	BELLONA 201	4	607	1,552	2.56	1.45
4200901	OAK CORNERS 201	5	437	1,113	2.55	1.42
4204001	KEUKA 201	4	1,053	1,938	1.84	1.39
4204389	BLODGETT RD 589	9	1,667	2,011	1.21	1.34
4200103	MACEDON 603	10	898	2,915	3.24	1.28
4203105	DUNDEE 205	9	1,484	1,790	1.21	1.27
4200403	VAN BUREN ST 603	11	2,483	2,815	1.13	1.13
4200404	VAN BUREN ST 604	10	1,790	615	0.34	1.13
4202201	HALL 201	3	214	211	0.99	1.10
4200502	LYONS 602	2	203	573	2.83	1.05
4202901	MILO 201	6	783	695	0.89	1.05
4200102	MACEDON 602	5	1,504	2,543	1.69	1.04
4202302	RUSHVILLE 202	8	773	499	0.65	1.04
4203899	FLAT ST 599	4	331	157	0.47	1.03
4201002	WEST GENEVA 602	17	682	2,897	4.25	1.01
4200501	LYONS 601	2	211	597	2.83	1.01
4200406	VAN BUREN ST 606	26	1,368	3,638	2.66	0.71
4200902	OAK CORNERS 202	4	141	1,007	7.14	0.59
4200603	CLYDE 203	13	323	1,527	4.73	0.48
4200101	MACEDON 601	11	556	1,196	2.15	0.39
4201601	GOULDS 201	1	64	325	5.07	0.36
4201701	SENECA FALLS 601	19	401	664	1.66	0.35
4201703	SENECA FALLS 603	19	510	2,002	3.92	0.29
4200801	PHELPS 201	10	268	508	1.90	0.22
4201103	Lehigh Street 603	7	265	408	1.54	0.21
4200202	PALMYRA 202	8	212	1,393	6.57	0.19

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

GENEVA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4202601	DRESDEN 201	10	103	142	1.37	0.19
4201702	SENECA FALLS 602	9	238	366	1.54	0.16
4203301	BANKERT RD 601	5	66	276	4.18	0.12
4201003	WEST GENEVA 603	6	253	354	1.40	0.12
4201102	LEHIGH ST 602	7	135	181	1.33	0.12
4201602	GOULDS 202	2	36	222	6.18	0.10
4201501	WATERLOO 201	6	157	217	1.39	0.10
4201004	WEST GENEVA 604	8	107	102	0.95	0.06
4201503	WATERLOO 203	1	12	18	1.48	0.02
4200201	PALMYRA 201	4	16	38	2.38	0.01
4200602	CLYDE 202	3	7	8	1.18	0.01
4208401	RGE-SAVANNAH 001	6	198	570	2.88	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

HORNELL						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5307701	NM-WAUGHBROOK RD	7	126	457	3.63	7.00
5307401	NM-MARROW BACK RD	3	6	13	2.08	3.00
5307043	MORAINE RD 543	28	2,229	4,861	2.18	2.96
5300641	BENNETT 541	23	3,386	7,079	2.09	2.61
5301431	NAPLES 331	15	1,347	1,566	1.16	2.56
5301466	NAPLES 566	17	2,304	2,916	1.27	2.54
5300468	ATLANTA 568	28	2,197	3,432	1.56	2.49
5301430	NAPLES 330	5	1,019	1,212	1.19	2.39
5301570	PALMITER RD 370	16	1,698	4,548	2.68	2.28
5302068	STANTON AVE 368	14	3,707	8,385	2.26	2.25
5307601	NM-VERNAL RD NIM	2	53	172	3.26	2.21
5300946	COHOCTON 246	10	1,046	831	0.79	2.06
5308401	RGE-DUDLEY RD RGE	2	6	8	1.39	2.00
5308201	RGE-HOCHANDLE RD	2	7	4	0.56	1.75
5301573	PALMITER RD 373	8	1,543	3,878	2.51	1.69
5308501	RGE-DALTON RD RGE	2	27	43	1.59	1.69
5301955	SPRING WATER 255	22	1,751	8,550	4.88	1.66
5308501	RGE-DALTON RD RGE	2	25	38	1.52	1.56
5308701	NM-RIVER RD NIM	1	3	7	2.45	1.50
5300637	BENNETT 537	2	3	5	1.89	1.50
5308201	RGE-HOCHANDLE RD	1	6	10	1.65	1.50
5307501	NM-LAGRANGE RD NIM	1	10	20	1.98	1.43
5301572	PALMITER RD 372	11	894	2,262	2.53	1.35
5308401	RGE-DUDLEY RD RGE	1	4	39	9.65	1.33
5301111	HOWARD 311	7	461	1,401	3.04	1.28
5302380	WARSAW 380	18	1,469	2,400	1.63	1.22
5301110	HOWARD 310	6	186	686	3.68	1.19
5300601	BENNETT 301	4	1,337	4,929	3.69	1.11
5300600	BENNETT 300	6	1,055	4,186	3.97	1.07
5304351	Coffee Hill Road 351	39	775	1,413	1.83	1.06
5301571	PALMITER RD 371	2	396	1,109	2.80	1.01
5308801	RGE-PLUMBOTTOM	1	5	41	8.12	1.00
5308801	RGE-PLUMBOTTOM	1	5	22	4.35	1.00
5308301	RGE-TENAFLY RD RGE	1	8	23	2.85	1.00
5301350	MEYER 350	33	1,696	5,613	3.31	0.91
5302163	TROUPSBURG 563	19	349	1,674	4.80	0.87
5300817	CANISTEO 217	8	389	1,629	4.19	0.87
5300280	WEBB CROSSING 280	5	101	240	2.37	0.86
5300320	ARKPORT 220	20	744	2,317	3.12	0.73
5307080	MORAINE RD 580	12	480	1,085	2.26	0.70
5301351	MEYER 351	8	420	1,594	3.79	0.64
5308101	RGE-TOWNLINE RD	3	9	47	5.29	0.60
5302528	WOODHULL 228	10	284	1,011	3.56	0.50
5301614	PERRY CENTER 214	7	192	415	2.17	0.49
5300719	CANASERAGA 219	7	168	745	4.43	0.37

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

HORNELL						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
5303894	ROBESON 594	4	26	49	1.87	0.36
5302430	WAYLAND 230	3	249	344	1.38	0.32
5303794	GAINESVILLE 594	9	125	160	1.28	0.32
5302240	WALLACE 340	25	305	1,270	4.15	0.28
5303639	JASPER 539	10	104	297	2.84	0.28
5300458	ATLANTA 258	8	95	133	1.40	0.20
5301861	SILVER SPRINGS 261	13	145	385	2.65	0.16
5301220	LEICESTER 320	7	121	174	1.45	0.16
5302431	WAYLAND 231	5	129	616	4.77	0.13
5301062	FEDERAL ST 162	1	58	81	1.40	0.13
5301352	MEYER 352	9	109	236	2.17	0.10
5302381	WARSAW 381	12	94	222	2.36	0.06
5307701	NM-WAUGHBROOK RD I	1	1	2	2.17	0.06
5300171	HILL ST 271	1	23	36	1.58	0.06
5301752	PORTAGEVILLE 252	1	10	44	4.43	0.04
5302360	WARSAW 260	1	13	13	0.98	0.03
5300173	HILL ST 273	1	19	18	0.93	0.03
5300281	WEBB CROSSING 281	1	15	36	2.37	0.02
5301615	PERRY CENTER 215	3	4	9	2.33	0.02
5300175	HILL ST 275	1	8	15	1.90	0.01
5302067	STANTON AVE 367	1	1	1	0.93	0.01
5300170	HILL ST 270	1	3	7	2.38	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ITHACA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4303101	NORTH LANSING 522	17	3,991	3,521	0.88	4.39
4302601	WALPOLE RD 741	12	974	2,038	2.09	4.35
4300302	SOUTH LANSING 720	9	2,457	1,865	0.76	3.60
4303601	SOUTH LANSING TAP	9	2,706	1,982	0.73	3.11
4303501	SENECA ORD - ITHACA	3	294	757	2.58	3.09
4305301	COUNTY HOSP -	42	6,458	10,892	1.69	3.08
4300303	SOUTH LANSING 721	11	1,948	1,411	0.72	3.07
4302001	VALOIS 508	15	2,122	6,412	3.02	2.80
4300603	MORAVIA 606	21	2,759	4,920	1.78	2.73
4300701	LOCKE 718	16	1,725	2,892	1.68	2.47
4300502	LUDLOWVILLE 727	7	1,092	1,220	1.12	2.09
4300602	MORAVIA 746	5	990	1,552	1.57	2.05
4300501	LUDLOWVILLE 726	3	345	316	0.92	2.04
4301301	SPENCER 712	19	2,272	4,125	1.82	2.03
4300601	MORAVIA 704	5	1,405	1,868	1.33	2.03
4305701	CATPATH 522	4	108	133	1.23	2.00
4303401	BURDETT MECK 508	27	2,295	7,166	3.12	1.87
4305801	ETNA TAP 523	2	659	1,397	2.12	1.79
4301702	TRUMANSBURG 747	25	2,820	5,593	1.98	1.72
4301801	INTERLAKEN 705	24	2,202	4,719	2.14	1.56
4300802	PERUVILLE 733	11	874	2,308	2.64	1.51
4303701	PERUVILLE TAP 522	15	2,042	3,203	1.57	1.51
4301403	WEST DANBY 530	21	2,117	8,356	3.95	1.45
4305901	ROUTE 79 746	5	154	307	1.99	1.41
4303001	DANBY RD 571	17	1,519	3,960	2.61	1.24
4301502	WEST HILL 610	11	2,224	2,702	1.21	1.14
4301701	TRUMANSBURG 723	6	720	1,499	2.08	1.13
4300104	CAYUGA HEIGHTS 601	17	2,330	2,206	0.95	1.13
4301501	WEST HILL 609	4	631	737	1.17	1.12
4302305	FOURTH ST 785	3	631	772	1.22	1.09
4300101	CAYUGA HEIGHTS 604	4	1,580	839	0.53	1.08
4300205	EAST ITHACA 404	6	2,377	4,395	1.85	1.07
4305101	CASS HILL-ITHACA 743	1	194	29	0.15	1.06
4302303	FOURTH ST 783	4	347	703	2.03	1.02
4302301	FOURTH ST 781	3	669	797	1.19	1.02
4300402	CAYUGA ROCK SALT	1	12	8	0.67	1.00
4300902	ETNA 709	7	1,160	5,862	5.05	0.83
4300203	EAST ITHACA 401	10	358	480	1.34	0.67
4301001	DRYDEN 734	12	550	1,026	1.87	0.65
4306601	BEER TAP 534	2	141	936	6.64	0.63
4304901	WILSEYVILLE 751	9	287	931	3.24	0.59
4301101	BROOKTONDALE 531	17	1,019	1,667	1.64	0.59
4304201	HARFORD 524	2	84	251	2.99	0.56
4302002	VALOIS 719	11	373	1,175	3.15	0.53
4301601	COUNTY HOSPITAL 736	7	289	545	1.89	0.38

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ITHACA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
4303801	DRYDEN TAP 524	15	394	927	2.35	0.27
4302206	SOUTH HILL 608	4	161	277	1.72	0.27
4300201	EAST ITHACA 406	4	622	1,030	1.66	0.25
4302102	BURDETT 702	11	162	664	4.08	0.24
4302901	BENJAMIN HILL 748	13	286	596	2.08	0.20
4306201	CRUM TOWN 530	2	33	114	3.46	0.18
4306001	BLACKMAN HILL 746	2	5	12	2.36	0.18
4302205	SOUTH HILL 614	2	89	125	1.40	0.15
4301901	OVID 715	8	148	370	2.49	0.10
4300202	EAST ITHACA 405	10	93	203	2.18	0.07
4302304	FOURTH ST 784	2	47	27	0.58	0.07
4302204	SOUTH HILL 607	4	56	69	1.23	0.05
4302302	FOURTH ST 782	3	47	54	1.14	0.05
4301002	DRYDEN 735	1	29	43	1.48	0.04
4302203	SOUTH HILL 613	4	28	33	1.18	0.02
4304001	HARFORD MILLS 749	2	4	27	6.80	0.01
4300105	CAYUGA HEIGHTS 605	2	3	5	1.78	0.00
4300103	CAYUGA HEIGHTS 602	1	1	1	0.85	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

LANCASTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3104201	BENNINGTON CTR 445	23	3,199	4,922	1.54	6.57
3104202	BENNINGTON CTR 446	22	4,222	5,494	1.30	5.80
3102303	HOLLAND 520	31	6,217	13,142	2.11	5.65
3101801	JAVA 280	23	4,412	8,254	1.87	5.01
3109998	NM-LANCASTER 098	2	9	24	2.69	4.50
3103401	COWLESVILLE 450	7	1,464	2,152	1.47	4.29
3107501	West Varysburg 355	15	1,331	2,247	1.69	4.05
3103501	SOUTH COLDEN 455	15	1,854	6,028	3.25	3.94
3102402	WALES CENTER 326	20	3,015	4,519	1.50	3.93
3102401	WALES CENTER 325	13	3,767	5,367	1.42	3.54
3101802	JAVA 281	14	2,698	5,773	2.14	3.44
3103502	SOUTH COLDEN 456	5	752	1,402	1.86	3.31
3103402	COWLESVILLE 451	4	2,475	3,322	1.34	3.27
3102302	HOLLAND 321	12	3,474	7,447	2.14	2.96
3103002	DAVIS 381	22	3,947	4,670	1.18	2.70
3103004	DAVIS 531	13	5,142	11,445	2.23	2.42
3102301	HOLLAND 320	15	2,477	5,450	2.20	2.40
3102701	CHERRY CREEK 501	6	893	3,129	3.50	2.12
3103001	DAVIS 380	16	1,948	3,287	1.69	2.10
3100104	LEGION DR 510	4	396	373	0.94	2.08
3104101	STOLLE RD 551	15	2,884	4,584	1.59	2.04
3101902	ORCHARD PARK 286	8	1,840	2,360	1.28	2.00
3102902	ARMOR 372	17	3,700	4,771	1.29	1.85
3103903	SOUTH PARK 473	3	461	393	0.85	1.69
3100603	SILVER CREEK 180	21	2,197	4,111	1.87	1.65
3100301	ELLINGTON 164	17	1,141	2,482	2.18	1.61
3103003	DAVIS 382	19	3,701	5,368	1.45	1.59
3102202	BLOSSOM 313	19	1,572	2,671	1.70	1.54
3103902	SOUTH PARK 472	14	2,163	1,663	0.77	1.54
3103601	LAKE AVE 480	10	2,876	8,222	2.86	1.50
3105302	COBBLEHILL 548	18	1,870	3,804	2.03	1.46
3100302	ELLINGTON 165	4	281	641	2.28	1.41
3105301	COBBLEHILL 530	20	3,195	11,188	3.50	1.38
3102903	ARMOR 373	12	3,352	5,558	1.66	1.34
3103603	LAKE AVE 482	12	3,737	11,159	2.99	1.31
3103303	WENDE RD 442	9	1,864	3,517	1.89	1.31
3102203	BLOSSOM 314	9	1,241	830	0.67	1.25
3104005	LOSSON RD 405	2	955	775	0.81	1.24
3104801	NORTH BROADWAY 535	17	3,634	4,446	1.22	1.16
3102102	WALDEN AVE 301	8	2,400	6,537	2.72	1.15
3103702	CEMETERY RD 490	6	2,788	2,611	0.94	1.15
3103605	LAKE AVE 484	5	1,537	4,982	3.24	1.10
3107701	Fisher Price Tap 348	1	23	41	1.79	1.05
3103901	SOUTH PARK 471	12	1,976	5,540	2.80	1.04
3101901	ORCHARD PARK 285	4	868	115	0.13	1.03

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

LANCASTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3103604	LAKE AVE 483	2	133	438	3.29	1.01
3101002	INDIAN CHURCH RD 224	1	509	187	0.37	1.00
3101903	ORCHARD PARK 287	1	698	117	0.17	1.00
3103101	DICK RD 390	4	425	180	0.42	0.97
3100809	ERIE ST 515	11	3,075	3,352	1.09	0.89
3100806	ERIE ST 207	2	250	647	2.58	0.86
3102003	HAMBURG 294	4	715	1,197	1.68	0.81
3103107	DICK RD 396	6	1,265	2,442	1.93	0.79
3105003	BIG TREE 539	2	623	1,426	2.29	0.77
3105001	BIG TREE 528	15	1,696	2,968	1.75	0.77
3104001	LOSSON RD 404	7	1,554	7,600	4.89	0.72
3100701	FROG VALLEY 184	21	473	1,337	2.83	0.70
3102602	EAST AURORA 342	11	687	1,898	2.77	0.62
3103105	DICK RD 537	16	1,718	4,047	2.36	0.62
3103703	CEMETERY RD 492	14	1,287	1,882	1.46	0.59
3103204	LANGER RD 433	14	1,039	2,212	2.13	0.54
3102004	HAMBURG 295	1	161	429	2.67	0.50
3105203	ROLL RD 545	15	1,057	2,347	2.22	0.45
3100901	GIRDLE RD 554	8	493	647	1.31	0.45
3102606	EAST AURORA 346	21	427	708	1.66	0.44
3107301	SPRINGBROOK 495	15	527	1,591	3.02	0.41
3104902	NEW GARDENVILLE 536	10	427	205	0.48	0.40
3100501	RANDOLPH 174	10	240	666	2.78	0.39
3100401	NEW ALBION 168	10	137	219	1.60	0.38
3103203	LANGER RD 432	21	1,240	1,879	1.51	0.38
3102201	BLOSSOM 312	8	926	1,455	1.57	0.35
3105002	BIG TREE 523	5	222	377	1.69	0.31
3102901	ARMOR 371	9	734	924	1.26	0.31
3100702	FROG VALLEY 185	5	82	61	0.73	0.28
3100103	LEGION DR 154	6	319	487	1.52	0.26
3103201	LANGER RD 430	8	444	644	1.45	0.26
3102506	WEHRLE DR 332	6	228	353	1.55	0.25
3103302	WENDE RD 441	3	95	118	1.24	0.23
3104002	LOSSON RD 401	8	254	208	0.82	0.23
3105202	ROLL RD 529	12	793	1,805	2.28	0.21
3102205	BLOSSOM 517	11	490	812	1.66	0.21
3106301	JAMISON RD 518	1	22	28	1.28	0.21
3100201	DAYTON 160	8	89	163	1.83	0.20
3102502	WEHRLE DR 331	5	221	299	1.35	0.20
3101702	REIN RD 272	3	138	423	3.06	0.15
3101601	ALDEN 262	4	75	140	1.87	0.14
3100804	ERIE ST 205	3	271	189	0.70	0.14
3101102	SLOAN 230	4	130	257	1.97	0.13
3104004	LOSSON RD 402	12	536	894	1.67	0.13
3100807	ERIE ST 208	1	104	272	2.62	0.12

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

LANCASTER						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3101602	ALDEN 263	1	135	261	1.94	0.12
3103803	TYLER ST 462	5	128	211	1.65	0.11
3105201	ROLL RD 512	11	288	277	0.96	0.10
3103802	TYLER ST 461	3	101	170	1.68	0.09
3103103	DICK RD 392	5	155	258	1.67	0.08
3103202	LANGER RD 431	1	53	20	0.38	0.07
3102503	WEHRLE DR 335	2	20	20	1.02	0.06
3102107	WALDEN AVE 307	3	14	29	1.99	0.05
3101703	REIN RD 270	2	3	5	1.44	0.05
3104802	NORTH BROADWAY 544	1	1	1	1.38	0.05
3102101	WALDEN AVE 300	1	23	30	1.30	0.05
3100502	RANDOLPH 175	1	23	90	3.92	0.04
3102802	EBENEZER 361	2	42	41	0.99	0.04
3102505	WEHRLE DR 334	3	40	32	0.80	0.04
3103104	DICK RD 393	5	56	211	3.75	0.03
3101103	SLOAN 231	7	67	113	1.69	0.03
3100802	ERIE ST 203	2	37	36	0.96	0.03
3101603	ALDEN 264	5	43	41	0.95	0.03
3101001	INDIAN CHURCH RD 223	2	32	28	0.86	0.03
3102603	EAST AURORA 343	4	26	18	0.67	0.03
3102801	EBENEZER 360	1	17	67	3.93	0.02
3100808	ERIE ST 209	2	16	45	2.79	0.02
3100602	SILVER CREEK 179	6	33	88	2.64	0.02
3100801	ERIE ST 202	2	21	49	2.35	0.02
3100601	SILVER CREEK 178	3	20	41	1.99	0.02
3102604	EAST AURORA 340	2	6	30	4.94	0.01
3101904	ORCHARD PARK 526	1	2	5	2.38	0.01
3102106	WALDEN AVE 305	3	13	28	2.19	0.01
3103801	TYLER ST 460	3	13	23	1.76	0.01
3102002	HAMBURG 293	2	12	20	1.66	0.01
3101204	ELLICOTT RD 238	1	1	1	1.08	0.01
3104003	LOSSON RD 403	4	31	22	0.75	0.01
3101101	SLOAN 229	1	17	11	0.67	0.01
3103205	LANGER RD 434	1	6	2	0.30	0.01
3103701	CEMETERY RD 491	1	2	11	5.73	0.00
3102607	EAST AURORA 347	1	1	3	3.32	0.00
3102605	EAST AURORA 345	1	3	5	1.82	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

LIBERTY						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2408901	ORG-BARKER RD	6	69	522	7.55	6.27
2408901	ORG-BARKER RD	5	60	410	6.83	5.45
2408801	ORG-FOX HILL RD	6	126	434	3.44	5.04
2407716	ROCK VALLEY 216	9	555	1,646	2.97	4.37
2408801	ORG-FOX HILL RD	5	104	234	2.24	4.16
2403738	Mountaindale 208	10	1,410	4,468	3.17	3.38
2400435	COCHECTON	12	762	2,602	3.41	3.36
2409101	ORG-ROWLEY RD	3	20	132	6.62	3.33
2402182	LUXTON LAKE 182	19	3,033	6,207	2.05	3.17
2401198	CONCORD 198	7	745	2,783	3.74	3.16
2402229	MAPLEWOOD 229	15	5,312	5,300	1.00	3.13
2401761	KIAMESHA 261	8	1,011	3,265	3.23	2.94
2402820	SACKETT LAKE 020	13	1,962	5,010	2.55	2.76
2401310	GROSSINGER 210	26	2,971	3,638	1.22	2.76
2409101	ORG-ROWLEY RD	2	16	63	3.98	2.67
2401514	HAZEL 353	18	910	2,785	3.06	2.64
2403734	MOUNTAINDALE 207	18	3,191	8,359	2.62	2.62
2404401	FREMONT-ACIDALIA	15	563	1,190	2.11	2.59
2403736	MOUNTAINDALE 206	13	1,442	3,804	2.64	2.38
2403659	WALDEN 359	47	7,121	14,685	2.06	2.15
2403999	HILLDALE 225	27	3,616	2,655	0.73	2.03
2403195	SWAN LAKE 157	10	1,091	2,896	2.65	2.01
2401311	GROSSINGER 211	27	2,643	2,853	1.08	1.93
2403194	SWAN LAKE 158	9	1,273	3,359	2.64	1.91
2402480	NEVERSINK 080	16	1,733	8,866	5.12	1.84
2403658	WALDEN 358	45	2,573	5,339	2.07	1.81
2402583	OLD FALLS 283	24	2,428	6,943	2.86	1.74
2401611	JEFFERSONVILLE	24	1,491	4,376	2.94	1.65
2402786	ROSCOE 286	20	1,088	4,341	3.99	1.54
2404030	WILLOWEMOC 030	15	572	3,895	6.81	1.48
2404201	WHITE SULPHER	5	774	1,716	2.22	1.45
2402584	OLD FALLS 284	12	758	2,374	3.13	1.38
2403252	WHITE LAKE 290	34	1,978	5,404	2.73	1.29
2402227	MAPLEWOOD 127	9	609	434	0.71	1.29
2401970	LIVINGSTON MANOR	17	1,410	6,993	4.96	1.24
2408601	CHU-THUNDER HILL	1	6	34	5.60	1.20
2402821	SACKETT LAKE 121	4	329	95	0.29	1.12
2402321	MONTICELLO 136	5	983	2,289	2.33	1.11
2403885	CALLICOON 285	43	1,747	5,096	2.92	1.08
2401971	LIVINGSTON MANOR	3	333	126	0.38	1.06
2401197	CONCORD 197	2	228	540	2.37	1.05
2402323	MONTICELLO 138	2	606	130	0.21	1.01
2408501	CHU-BLUE HILL RD	1	4	22	5.60	1.00
2401845	LIBERTY 145	2	478	362	0.76	0.98
2402324	MONTICELLO 139	1	249	1,038	4.17	0.94

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

LIBERTY						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2401196	CONCORD 196	4	141	462	3.28	0.90
2403251	WHITE LAKE 151	30	1,209	1,484	1.23	0.78
2402588	OLD FALLS 288	4	1,195	1,411	1.18	0.78
2402787	ROSCOE 287	13	429	1,490	3.47	0.75
2403404	YULAN 204	43	1,376	4,057	2.95	0.73
2401275	FOSTERDALE 107	10	305	1,088	3.57	0.56
2401612	JEFFERSONVILLE	17	372	864	2.32	0.54
2401610	JEFFERSONVILLE	42	900	2,523	2.80	0.53
2402322	MONTICELLO 137	6	298	344	1.15	0.49
2402623	Roch Hill 223	4	194	972	5.01	0.44
2401589	HAZEL 189	6	244	656	2.69	0.43
2403605	WALDEN 705	10	823	1,911	2.32	0.37
2407617	FRENCH WOODS 217	4	56	131	2.35	0.32
2402625	ROCK HILL 125	12	313	955	3.05	0.31
2401276	FOSTERDALE 108	3	90	289	3.21	0.25
2408101	PPL-GRASSY SWAMP	1	1	6	5.60	0.20
2401844	LIBERTY 144	3	129	116	0.90	0.11
2401763	KIAMESHA 263	12	57	215	3.80	0.10
2401011	BEAVER BROOK 011	5	17	56	3.27	0.09
2403607	WALDEN 707	5	25	154	6.17	0.03
2402624	Rock Hill 224	2	2	7	3.40	0.00
2408201	PPL-COLONIAL ST PP	2	6	39	6.39	0.00
2408201	PPL-COLONIAL ST PP	2	6	25	4.08	0.00

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

LOCKPORT						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
3201701	SOUTH NIAGARA ST 201	4	1,369	3,016	2.20	1.78
3200504	LOCUST ST 150	15	4,564	4,896	1.07	1.50
3200505	LOCUST ST 151	7	1,803	3,188	1.77	1.41
3200601	CHESTNUT RIDGE 191	6	1,410	1,910	1.35	1.09
3200602	CHESTNUT RIDGE 190	3	880	1,239	1.41	1.08
3200503	LOCUST ST 154	7	110	194	1.76	0.43
3200101	VINE ST 101	3	195	130	0.67	0.38
3200205	TRANSIT 112	2	152	458	3.01	0.18
3200206	TRANSIT 113	3	117	488	4.17	0.14
3201702	SOUTH NIAGARA ST 202	1	32	21	0.65	0.11
3200207	TRANSIT 114	3	39	51	1.33	0.07
3200401	MILL ST 130	2	37	38	1.02	0.06
3200502	LOCUST ST 153	6	48	39	0.81	0.03
3200501	LOCUST ST 152	6	54	61	1.12	0.02
3200103	VINE ST 103	3	6	13	2.18	0.01
3200402	MILL ST 131	2	2	1	0.72	0.01

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

MECHANICVILLE						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1203207	STEPHENTOWN 622	42	6,181	8,766	1.42	3.34
1204004	CRARYVILLE 610	82	6,137	13,544	2.21	3.04
1203102	RUTLAND 131	16	1,622	2,452	1.51	2.79
1209137	NM-GRANVILLE 370	2	10	24	2.46	2.50
1203101	RUTLAND 130	5	1,111	1,548	1.39	2.37
1204201	WEST SAND LAKE TAP	7	1,577	2,893	1.83	2.20
1202110	COONS CROSSING 607	15	6,725	9,664	1.44	2.13
1201401	GRANVILLE-SALEM	22	1,929	4,103	2.13	2.08
1202312	MECHANICVILLE 412	4	3,722	1,497	0.40	2.04
1205901	RAYLINSKI TAP 606	18	7,447	11,874	1.59	1.87
1202112	COONS CROSSING 601	10	625	1,355	2.17	1.83
1206002	MULBERRY 602	20	3,980	6,118	1.54	1.42
1201601	VANESS RD TAP 604	5	366	583	1.59	1.31
1202310	MECHANICVILLE 410	11	2,732	2,412	0.88	1.19
1203302	WYNANTSKILL 141	6	1,111	2,389	2.15	1.12
1201101	GRANVILLE 301	3	368	137	0.37	1.02
1209017	NM-MECHANICVILLE	1	22	123	5.58	1.00
1209238	NM-CHATHAM 938	1	6	27	4.50	1.00
1209115	NM-GRANVILLE 915	1	5	14	2.85	1.00
1203702	WEST SAND LAKE 161	1	451	1,203	2.67	1.00
1203805	WEST LEBANON 165	15	974	2,522	2.59	1.00
1209029	NM-MECHANICVILLE	1	3	7	2.17	1.00
1209243	NM-CHATHAM 943	1	10	12	1.22	1.00
1203401	CANAAN 145	30	820	2,991	3.65	0.98
1204001	CRARYVILLE 400	29	1,671	3,456	2.07	0.98
1203206	STEPHENTOWN 136	16	935	1,358	1.45	0.92
1203902	CROOKED LAKE 613	14	831	2,544	3.06	0.90
1203606	CHATHAM 156	4	177	388	2.19	0.88
1205403	KLINE KILL 631	34	1,200	1,838	1.53	0.69
1204003	CRARYVILLE 611	14	416	1,127	2.71	0.68
1203806	WEST LEBANON 166	12	252	498	1.97	0.41
1205304	SARATOGA AFS PVT	2	2	6	2.88	0.40
1201301	COMSTOCK-	28	541	1,285	2.37	0.40
1205402	KLINE KILL 630	37	831	2,072	2.49	0.36
1201701	SALEM TAP 627	13	479	1,247	2.60	0.35
1204401	Cobb Hill Tap 609	6	228	1,068	4.68	0.32
1201501	FLIKE RD TAP 605	2	88	84	0.95	0.28
1204301	SNOWS CORNERS 608	4	92	549	5.97	0.23
1209788	NM-CHATHAM-ROGERS	1	1	3	2.62	0.20
1203501	MELLONVILLE 150	6	102	553	5.43	0.19
1201801	TIPLADY RD TAP 628	4	22	115	5.22	0.17
1203605	CHATHAM 155	5	131	227	1.74	0.15
1202215	STILLWATER 215	5	139	201	1.45	0.13
1203502	MELLONVILLE 151	6	130	701	5.40	0.12
1201102	GRANVILLE 302	5	86	155	1.81	0.11

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

MECHANICVILLE						
Circuit	**Circuit Description**	**Interruptions**	**Customers Affected**	**Customer Hours Interrupted**	**CAIDI**	**SAIFI**
1203901	CROOKED LAKE 170	7	130	560	4.30	0.10
1204101	WYNANTSKILL TAP 416	3	66	81	1.22	0.10
1208901	SLATEVILLE 620	3	16	90	5.63	0.07
1201201	SALEM 175	8	34	101	2.93	0.06
1201202	SALEM 176	5	17	51	3.02	0.04
1203301	WYNANTSKILL 140	2	41	61	1.49	0.04
1202111	COONS CROSSING 211	2	4	5	1.35	0.02

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ONEONTA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2306960	WEST WINFIELD 260	19	6,037	23,791	3.94	4.62
2301358	MILFORD 258	22	5,216	11,173	2.14	4.62
2309751	NM-WALTON 051	4	84	292	3.48	4.00
2303912	SOUTH EDMESTON 012	10	1,285	4,551	3.54	3.45
2308417	SANDS CREEK 217	9	313	1,614	5.16	3.16
2307011	AXTELL RD 511	22	3,819	8,391	2.20	3.04
2301327	MILFORD 227	26	3,067	3,768	1.23	2.71
2305065	MORRISVILLE 265	23	1,589	4,394	2.77	2.64
2309369	NM-ONEONTA 069	3	19	42	2.21	2.11
2309857	NM-CRUMHORN LAKE	2	72	339	4.70	2.06
2304726	EARLVILLE 226	15	1,699	5,749	3.38	2.06
2307646	GRAND GORGE 246	17	1,819	3,241	1.78	2.02
2309558	CHU-WALTON2 058	2	22	52	2.32	2.00
2304725	EARLVILLE 225	16	1,277	5,605	4.39	1.93
2304727	EARLVILLE 227	12	2,003	4,710	2.35	1.84
2307716	HANCOCK 216	42	2,660	6,183	2.33	1.73
2304112	NEW BERLIN 012	24	1,317	3,419	2.60	1.69
2307390	DEPOSIT 290	11	1,683	3,875	2.30	1.57
2309789	NM-WALTON 089	2	3	12	3.99	1.50
2308105	RIVER RD 105	19	1,510	5,528	3.66	1.47
2300520	OTEGO 200	17	1,647	7,598	4.61	1.46
2305515	EAST NORWICH 515	36	4,028	11,201	2.78	1.42
2302704	BROTHERTOWNE 504	13	858	1,609	1.88	1.41
2304122	NEW BERLIN 022	12	739	3,004	4.07	1.39
2304942	EDMESTON 220	19	1,025	2,380	2.32	1.30
2308312	FINCH HOLLOW 012	6	550	1,481	2.69	1.24
2307010	AXTELL RD 510	16	1,296	2,477	1.91	1.24
2303012	GUILDFORD CENTER 012	16	1,051	1,593	1.52	1.22
2304512	BOUCKVILLE 012	8	1,166	2,142	1.84	1.18
2308239	WINDHAM 239	13	1,760	4,972	2.83	1.14
2306218	BELL AYRE 218	3	429	148	0.34	1.13
2307309	DEPOSIT 109	34	1,486	5,399	3.63	1.07
2300512	OTEGO 012	5	636	1,533	2.41	1.07
2305006	MORRISVILLE 106	2	55	77	1.41	1.04
2305066	MORRISVILLE 266	4	867	1,274	1.47	1.02
2309659	PENN ELEC-WALTON 059	2	2	15	7.83	1.00
2309663	PENN ELEC-WALTON 063	1	1	3	2.73	1.00
2309505	CHU-WALTON2 005	1	6	8	1.32	1.00
2302075	SOUTH COOPERSTOWN	16	1,022	2,065	2.02	0.98
2307912	SHANDAKEN 012	15	569	1,458	2.56	0.97
2304812	EATON 012	6	654	2,959	4.53	0.94
2304232	ORISKANY FALLS 142	12	820	4,402	5.37	0.82
2307647	GRAND GORGE 247	12	711	1,458	2.05	0.82
2305112	NORTH NORWICH 012	8	334	1,670	5.00	0.78
2301212	GILBERTSVILLE 012	18	497	1,482	2.98	0.75

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ONEONTA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2301614	MORRIS 214	12	483	1,620	3.36	0.73
2301412	MOUNT UPTON 012	18	477	1,353	2.84	0.69
2307715	HANCOCK 215	4	71	271	3.83	0.66
2304322	OXFORD 022	16	517	1,629	3.15	0.57
2300712	BAINBRIDGE 012	13	602	893	1.48	0.57
2306435	ANDES 235	30	900	1,700	1.89	0.54
2309665	PENN ELEC-WALTON 065	1	4	41	10.28	0.50
2300922	UNADILLA 022	16	571	2,662	4.66	0.50
2305222	WATERVILLE 022	6	193	505	2.62	0.50
2301812	RICHFIELD SPRINGS 012	20	772	1,899	2.46	0.48
2308240	WINDHAM 240	32	683	2,058	3.01	0.47
2302112	WEST DAVENPORT 012	15	444	1,150	2.59	0.44
2300912	UNADILLA 012	7	444	1,106	2.49	0.37
2300821	COOPERSTOWN 121	9	307	631	2.06	0.37
2301522	EMMONS 022	2	75	53	0.70	0.37
2306330	ARKVILLE 230	30	996	3,770	3.78	0.35
2309947	NM-NORWICH 047	2	2	14	6.92	0.33
2307412	DOWNSVILLE 012	16	392	1,572	4.01	0.33
2305212	WATERVILLE 012	5	267	223	0.84	0.33
2300162	SAND ST 062	3	190	738	3.88	0.32
2307645	GRAND GORGE 245	30	439	2,102	4.79	0.31
2301970	SPRINGFIELD CENTER	28	263	794	3.01	0.26
2309364	NM-ONEONTA 064	1	2	9	4.73	0.25
2300732	BAINBRIDGE 032	2	58	179	3.10	0.24
2304612	BRIDGEWATER 012	7	130	616	4.74	0.23
2307211	DELHI 211	21	194	801	4.13	0.22
2308104	RIVER RD 104	9	238	708	2.97	0.21
2305516	EAST NORWICH 516	20	383	894	2.34	0.21
2303345	AFTON-ONEONTA 245	3	26	147	5.65	0.20
2305412	SOUTH NEW BERLIN 012	8	114	289	2.53	0.20
2306212	BELL AYRE 212	13	218	520	2.39	0.20
2307901	SHANDAKEN 501	18	363	700	1.93	0.20
2307032	AXTELL RD 032	10	161	339	2.10	0.19
2304312	OXFORD 012	16	169	597	3.52	0.17
2300612	COLLIERS 012	9	199	611	3.07	0.17
2309470	CHU-WALTON1 070	1	1	16	16.37	0.14
2300303	PIERCE AVE 203	9	127	146	1.13	0.14
2300304	PIERCE AVE 204	8	73	262	3.60	0.13
2301822	RICHFIELD SPRINGS 022	3	57	198	3.47	0.13
2305312	WOODS CORNERS 012	12	96	248	2.59	0.13
2307310	DEPOSIT 110	1	64	36	0.57	0.13
2306961	WEST WINFIELD 261	10	164	585	3.56	0.12
2304222	ORISKANY FALLS 141	6	73	284	3.88	0.11
2304082	BIRDSALL 082	1	85	212	2.50	0.11
2301123	JORDANVILLE 023	5	20	76	3.80	0.08

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ONEONTA						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
2301012	SIDNEY-RAILROAD 012	11	117	253	2.17	0.08
2308102	RIVER RD 102	5	85	159	1.90	0.08
2308241	WINDHAM 241	4	48	72	1.51	0.07
2306217	BELL AYRE 217	1	3	4	1.38	0.07
2302124	WEST DAVENPORT 022	1	30	91	3.03	0.06
2301032	SIDNEY-RAILROAD 032	3	71	131	1.86	0.06
2300312	PIERCE AVE 012	1	22	21	0.97	0.06
2300823	COOPERSTOWN 123	4	41	157	3.83	0.05
2300522	OTEGO 022	10	48	96	2.03	0.05
2300222	HENRY ST 151	2	30	122	4.05	0.04
2308238	WINDHAM 238	2	4	11	2.86	0.04
2300142	SAND ST 042	3	26	37	1.42	0.03
2300332	PIERCE AVE 032	2	21	19	0.89	0.03
2301612	MORRIS 012	3	8	31	3.92	0.02
2307210	DELHI 210	5	22	61	2.79	0.02
2307712	HANCOCK 012	2	9	17	1.88	0.02
2300722	BAINBRIDGE 022	4	13	14	1.05	0.02
2301022	SIDNEY-RAILROAD 022	2	3	8	2.37	0.01
2301512	EMMONS 012	1	3	6	1.93	0.01
2300152	SAND ST 052	1	14	6	0.43	0.01

NEW YORK STATE ELECTRIC AND GAS CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

PLATTSBURGH						
Circuit	Circuit Description	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
1500113	CHATEAUGAY 513	27	5,008	11,712	2.34	5.31
1501601	BLUE MTN LAKE 504	33	5,131	7,929	1.55	4.24
1503401	HARRIS LAKE 424	16	2,406	5,380	2.24	3.80
1502244	DANNEMORA 444	18	4,851	8,299	1.71	3.63
1501766	SOUTH JUNCTION 466	11	2,159	1,988	0.92	3.25
1500901	LYON MTN 510	35	4,140	7,645	1.85	3.11
1501801	CABOT MINE 413	23	3,892	6,881	1.77	3.11
1501137	BANKER RD 437	11	4,422	6,164	1.39	3.08
1501767	SOUTH JUNCTION 467	19	5,020	4,309	0.86	3.05
1509201	NM-RAQUETTE	3	85	247	2.90	3.04
1508701	NM-COONROD RD NIM	3	6	14	2.41	3.00
1503702	BARTON BROOK 404	16	1,691	1,639	0.97	2.47
1503202	PERU 427	34	2,581	3,519	1.36	2.15
1501138	BANKER RD 438	13	2,805	1,097	0.39	2.14
1503701	BARTON BROOK 403	21	1,410	2,585	1.83	1.63
1501501	WOODRUFF POND 460	17	1,448	3,164	2.19	1.62
1503101	NORTON 420	42	1,774	3,077	1.74	1.61
1503901	MASON CORNERS 450	18	1,727	2,826	1.64	1.32
1502032	HAMMOND LANE 432	4	237	278	1.18	1.22
1501901	MILL C 125	6	1,130	496	0.44	1.16
1502601	JAY 502	10	409	1,098	2.69	1.15
1502602	JAY 411	34	1,763	4,302	2.44	1.14
1509101	NM-JUDSON RD NIM	2	10	18	1.76	1.11
1501502	WOODRUFF POND 461	4	1,094	1,191	1.09	1.10
1508801	NM-MEGSVILLE RD NIM	1	3	7	2.22	1.00
1502245	DANNEMORA 445	1	3	4	1.17	1.00
1503047	KEESESVILLE 447	33	1,849	2,240	1.21	0.96
1509401	NM-TROUT RIVER NIM	1	7	22	3.12	0.88
1502031	HAMMOND LANE 431	8	544	736	1.35	0.83
1502574	HIGH FALLS 474	25	880	2,603	2.96	0.71
1500114	CHATEAUGAY 514	49	1,460	3,867	2.65	0.70
1501001	WEST CHAZY 136	21	628	1,681	2.68	0.56
1503201	PERU 426	14	667	1,180	1.77	0.55
1500817	HYDE 417	12	450	1,128	2.51	0.52
1509301	NM-TAYLOR RD NIM	1	9	42	4.68	0.39
1500517	SCIOTA-FLATROCK 517	59	1,189	2,614	2.20	0.39
1502101	CLINTONVILLE 456	5	98	143	1.46	0.33
1501370	LIMESTONE 470	9	287	390	1.36	0.33
1503902	MASON CORNERS 451	11	185	900	4.86	0.24
1504507	ARIZONA AVE 407	1	17	24	1.42	0.24
1502701	STICKNEY BRIDGE 210	8	121	365	3.02	0.22
1501802	CABOT MINE 414	16	172	346	2.00	0.19
1504508	ARIZONA AVE 408	3	16	19	1.24	0.17
1501371	LIMESTONE 471	1	32	28	0.87	0.13
1501401	BEEKMANTOWN 133	7	101	126	1.25	0.11

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 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 twelve months.
- The number of interruptions, customers interrupted (affected), and the customer hours of interruption are recorded for each NYSEG circuit. These values are then used to weight the individual circuit's performance against the overall reliability performance of NYSEG.
- This circuit weighting method is performed for both NYSEG reliability performance indices, CAIDI and SAIFI. The result being a weighted CAIDI circuit list and a weighted SAIFI circuit list.
- All of the circuits are then sorted highest to lowest based on their individual weighted CAIDI and SAIFI contributions to NYSEG's overall reliability performance.
- A cumulative weighted total is maintained and the top 30% of the cumulative total are singled out for reliability reviews by Distribution Planning. The individual NYSEG Division worst performing circuits representing 5% of the respective Division's base circuits on both weighted CAIDI and SAIFI lists are then assigned to each Division for the development of Division Reliability Plans.

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 2012 Annual Reliability Report									
Division	Circuit Decription	Circuit	Customers Connected	Circuit Voltage	Circuit Miles	Weighted CAIDI	CAIDI Rank	Weighted SAIFI	SAIFI Rank
Auburn	CAYUGA 631	4400101	523	4.8	20.64	0.0047	34	0.0012	294
Auburn	STRYKER AVE 702	4402101	2,413	12.5	48.03	0.0016	210	0.0037	59
Auburn	STRYKER AVE 721	4402102	1,831	12.5	49.80	0.0016	221	0.0029	98
Binghamton	AFTON 429	8102901	2,055	34.5	143.80	0.0062	12	0.0053	20
Binghamton	BODLE HILL TAP 515	8105801	1,827	34.5	70.61	0.0053	18	0.0055	19
Binghamton	CASTLE GARDEN 622	8104102	2,531	12.5	56.21	0.0035	65	0.0050	21
Binghamton	CENTER VILLAGE 248	8103002	988	4.8	64.96	0.0064	11	0.0045	33
Binghamton	CHENANGO BRIDGE 428	8101705	1,977	34.5	70.16	0.0033	72	0.0029	92
Binghamton	ENDICOTT CLARK ST 629	8100903	2,930	12.5	19.45	0.0035	68	0.0038	57
Binghamton	CORNERS 422	8102301	1,468	34.5	96.41	0.0031	84	0.0040	46
Binghamton	KATTLEVILLE 422	8104601	2,811	34.5	84.78	0.0017	205	0.0029	99
Binghamton	KATTLEVILLE 426	8104602	822	34.5	52.65	0.0015	235	0.0028	109
Binghamton	WILLET 423	8104401	1,111	34.5	118.92	0.0059	15	0.0042	44
Brewster	ADAMS CORNERS 412	1105115	1,389	13.2	43.09	0.0027	112	0.0063	11
Brewster	TEN MILE RIVER 444	1107844	1,582	13.2	52.81	0.0040	49	0.0050	24
Brewster	UNION VALLEY 431	1107731	1,498	13.2	15.51	0.0041	48	0.0050	23
Brewster	UNION VALLEY 433	1107733	2,266	13.2	31.41	0.0029	98	0.0059	16
Brewster	WEST PATTERSON 475	1106575	1,477	13.2	41.19	0.0115	1	0.0113	1
Elmira	CHEMUNG 318	5201418	985	12.5	71.59	0.0023	138	0.0028	106
Elmira	MONTOUR FALLS 511	5202011	1,263	34.5	93.90	0.0048	28	0.0050	22
Elmira	PRATTSBURG 241	5204141	595	4.8	38.88	0.0037	59	0.0037	60
Elmira	PULTENEY TAP 598	5204398	624	34.5	20.61	0.0023	150	0.0032	81
Elmira	RIDGE RD 501	5201601	1,491	34.5	114.22	0.0055	17	0.0028	107
Elmira	SOUTH ADDISON 346	5204446	1,327	12.5	54.79	0.0020	176	0.0027	113
Elmira	SOUTH ADDISON 347	5204447	469	12.5	47.88	0.0050	26	0.0032	79
Elmira	WHISKEY CREEK 345	5204545	787	12.5	69.63	0.0040	50	0.0023	143
Geneva	FLAT ST 597	4203897	2,749	34.5	181.07	0.0053	19	0.0044	40
Geneva	GREENIDGE 596	4203096	0	34.5	133.70	0.0070	8	0.0067	9
Geneva	HYATT RD 569	4207769	1,591	34.5	111.48	0.0024	129	0.0039	51
Geneva	SLEIGHT RD 546	4207946	1,598	34.5	106.43	0.0039	52	0.0047	31
Hornell	ATLANTA 568	5300468	883	34.5	93.49	0.0029	100	0.0036	62
Hornell	BENNETT 541	5300641	1,299	34.5	119.14	0.0042	43	0.0040	47
Hornell	MORAINE RD 543	5307043	754	34.5	87.09	0.0025	124	0.0032	80
Hornell	SPRING WATER 255	5301955	1,058	4.8	82.90	0.0048	31	0.0020	167
Hornell	STANTON AVE 368	5302068	1,649	12.5	32.09	0.0051	21	0.0048	30
Ithaca	BURDETT MECK 508	4303401	1,227	34.5	120.51	0.0041	47	0.0026	124
Ithaca	COUNTY HOSP - TBURG 540	4305301	2,095	34.5	98.74	0.0051	22	0.0050	25
Ithaca	NORTH LANSING 522	4303101	910	34.5	59.77	0.0020	174	0.0046	32
Ithaca	PERUVILLE TAP 522	4303701	1,356	34.5	86.75	0.0028	109	0.0035	66
Ithaca	SOUTH LANSING TAP 522	4303601	871	34.5	15.44	0.0017	201	0.0035	68
Ithaca	WEST DANBY 530	4301403	1,455	34.5	71.90	0.0047	33	0.0024	141
Lancaster	BENNINGTON CTR 445	3104201	487	12.5	41.70	0.0045	38	0.0050	26
Lancaster	BENNINGTON CTR 446	3104202	728	12.5	40.35	0.0042	42	0.0057	18
Lancaster	HOLLAND 520	3102303	1,100	34.5	77.29	0.0078	4	0.0076	6
Lancaster	JAVA 280	3101801	880	4.8	65.93	0.0059	14	0.0061	15
Lancaster	JAVA 281	3101802	785	4.8	46.90	0.0051	23	0.0044	37
Lancaster	LAKE AVE 482	3103603	2,848	12.5	26.21	0.0064	10	0.0043	41
Lancaster	WALES CENTER 325	3102401	1,065	4.8	37.74	0.0049	27	0.0059	17
Lancaster	WALES CENTER 326	3102402	767	4.8	56.53	0.0034	71	0.0043	42
Liberty	HILLDALE 225	2403999	1,781	12.5	42.28	0.0032	81	0.0063	12
Liberty	MAPLEWOOD 229	2402229	1,697	12.5	27.12	0.0031	88	0.0062	14
Liberty	OLD FALLS 283	2402583	1,396	12.5	60.84	0.0042	45	0.0030	89
Liberty	WALDEN 359	2403659	3,310	34.5	82.78	0.0084	2	0.0082	4
Lockport	LOCUST ST 150	3200504	3,040	12.5	31.87	0.0031	86	0.0062	13
Lockport	LOCUST ST 151	3200505	1,281	12.5	11.21	0.0019	185	0.0021	155

Worst Performing Circuits 2012 Annual Reliability Report									
Mechanicville	COONS CROSSING 607	1202110	3,153	4.8	22.64	0.0056	16	0.0078	5
Mechanicville	CRARYVILLE 610	1204004	2,018	34.5	121.09	0.0084	3	0.0105	2
Mechanicville	RAYLINSKI TAP 606	1205901	3,990	34.5	27.21	0.0071	7	0.0087	3
Oneonta	AXTELL RD 511	2307011	1,257	34.5	120.14	0.0021	162	0.0027	116
Oneonta	DEPOSIT 109	2307309	1,394	4.8	120.86	0.0075	5	0.0026	127
Oneonta	EARLVILLE 227	2304727	1,087	12.5	83.99	0.0026	120	0.0021	161
Oneonta	EAST NORWICH 515	2305515	2,844	34.5	144.05	0.0061	13	0.0039	49
Oneonta	HANCOCK 216	2307716	1,542	12.5	135.74	0.0040	51	0.0032	82
Oneonta	MILFORD 227	2301327	1,130	12.5	90.14	0.0026	118	0.0039	54
Oneonta	MILFORD 258	2301358	1,128	12.5	66.96	0.0038	55	0.0048	28
Oneonta	WEST WINFIELD 260	2306960	1,307	12.5	108.06	0.0042	44	0.0036	61
Oneonta	WINDHAM 239	2308239	1,549	12.5	66.92	0.0035	69	0.0025	136
Plattsburgh	BLUE MTN LAKE 504	1501601	1,209	34.5	71.14	0.0053	20	0.0072	7
Plattsburgh	CHATEAUGAY 513	1500113	943	34.5	81.94	0.0074	6	0.0064	10
Plattsburgh	LYON MTN 510	1500901	1,331	34.5	87.83	0.0044	40	0.0048	29

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

In 2011, there was one outage of the 271 circuit out of Noyes Island due to an unknown bank differential trip. There were two outages of the Green St 322 circuit, one was due to lighting on an overhead line section, and the other was due to a defective fuse/cutout link on the overhead line.

In 2012, there were no reported outages on any of the Noyes Island primary circuits. There was one outage of the Green St 316 circuit due to a faulted cable between manholes.

ROCHESTER GAS AND ELECTRIC

CORPORATION



2012 Annual Reliability Report

March 31, 2013

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

Table of contents

DEFINITIONS 5

SECTION 1 – Corporate

- **Corporate Assessment** 7
- **Major Storm Summary** 9
- **Corporate Corrective Actions** 11
- **Corporate Major Capital Program** 15
- **Distribution Reliability Projects** 16
- **Annual Distribution Facilities Inspection** 17

SECTION 2 – Divisions

- **Canandaigua** 19
- **Genesee Valley** 24
- **Lakeshore** 28
- **Rochester** 33

SECTION 3 – Reliability Program

- **Historical O&M Expenditures** 37
- **Program Overview and Summaries** 38
- **Distribution Reliability Program Budgets/Actuals** 50
- **O&M Program Budgets/Actuals** 51
- **Workforce Analysis** 52
- **Contractor Crews** 53
- **Vegetation Line Clearance** 53

SECTION 4 - Power Quality 55

SECTION 5 - Circuit Performance

- **Circuit CAIDI/SAIFI Analysis** 59
- **Worst Performing Circuit Analysis** 82

SECTION 6 – Network Feeder Analysis 85

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

Rochester Gas and Electric Corporation (RG&E) serves a franchise area of approximately 2,700 square miles in West-Central New York comprising urban, suburban, and rural areas. RG&E supplies electric and natural gas to a population of nearly one million people. RG&E provides electric service to its customers utilizing 1,113 miles of transmission lines and 8,703 miles of distribution lines that are a server from 153 substations. Central to the franchise area is the City of Rochester that comprises a major load area, but the Company also serves the City of Canandaigua and prosperous agricultural areas along Lake Ontario and in the Genesee Valley. The Company has 364,617 yearly average electric customers as of December 2012.

RG&E's Corporate Office is located in Rochester, New York. The Company is organized with 4 distinct operating divisions spread across its service territory – Canandaigua, Genesee Valley, Lakeshore and Rochester.

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

CORPORATE PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI	1.85	1.80	1.71	1.85	1.79
SAIFI	0.78	0.59	0.71	0.86	0.73
Interruptions	2,814	2,928	2,888	3,139	3,054
Customer Hours	513,363	378,536	432,971	579,378	475,114
Customers Interrupted	278,038	210,756	253,518	312,979	265,720
Customers Connected	358,502	358,109	359,597	362,172	364,617

RG&E met the PSC CAIDI and SAIFI targets in 2012.
The target levels for 2012 were – CAIDI (1.90) and SAIFI (0.90)

Corporate Performance: CAIDI & SAIFI by PSC cause codes –

ROCHESTER GAS & ELECTRIC CORPORATE						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	6.32	2.97	6.34	2.66	7.95
2	Tree Contacts	1.80	1.96	1.74	2.19	2.22
3	Overloads	2.00	1.41	2.20	2.30	1.31
4	Operational Errors	0.36	0.27	0.44	1.02	0.59
5	Equipment Failures	1.76	1.76	1.67	1.47	1.72
6	Accidents/Non-Utility	1.61	1.52	1.55	1.60	1.59
7	Prearranged	2.83	2.54	2.20	2.37	0.66
8	Customer Equipment	0.98	0.97	1.26	1.46	1.70
9	Lightning	2.17	1.73	1.75	2.10	2.68
10	Unknown	1.47	1.38	2.18	2.41	1.63

ROCHESTER GAS & ELECTRIC CORPORATE						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.58	0.15	0.08	0.18	0.18
2	Tree Contacts	0.17	0.16	0.26	0.25	0.17
3	Overloads	0.00	0.00	0.01	0.03	0.02
4	Operational Errors	0.02	0.01	0.02	0.00	0.01
5	Equipment Failures	0.20	0.22	0.23	0.33	0.15
6	Accidents/Non-Utility	0.13	0.09	0.10	0.10	0.16
7	Prearranged	0.05	0.05	0.04	0.02	0.09
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.16	0.04	0.04	0.07	0.10
10	Unknown	0.04	0.03	0.02	0.05	0.03

2012 Major Storm Exclusions – Summary Table

Storm Event #	Event Start	Event Stop	Division	Start Date	End Date	Ints	CstAff	CstHrs	CstConn
1	1/17/2012	1/20/2012	Lakeshore	1/17/2012	1/19/2012	32	3,359	9,757	24,921
			Rochester	1/17/2012	1/20/2012	85	7,182	32,600	285,634
2	2/24/2012	2/25/2012	Lakeshore	2/24/2012	2/25/2012	4	8,604	22,052	24,849
3	4/23/2012	4/25/2012	Genesee	4/23/2012	4/25/2012	27	1,084	5,118	18,119
4	10/29/2012	11/4/2012	Canandaigua	10/29/2012	11/2/2012	19	2,016	9,596	30,256
			Genesee	10/29/2012	11/5/2012	19	832	6,632	18,303
			Lakeshore	10/29/2012	11/7/2012	62	4,397	54,579	25,509
			Rochester	10/29/2012	11/4/2012	253	38,204	381,552	290,178

Corporate corrective actions due to not meeting reliability indices and/or due to adverse trends in specific categories –
RG&E continued to provide high levels of electric service reliability to its customers in 2012. 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 a need to file corrective actions at this time.

As noted in previous reports, certain anomalies adversely affect the Companies reliability performance and ability to meet the CAIDI and SAIFI measures. These events can be classified into two main categories –

- Weather impacts
- Uncontrollable events

Adverse Weather

Weather Impacts – Multiple large impacting weather events have significant negative impacts on the reliability indices. Mechanisms are in place to allow the exclusion of the reliability impacts due to the most severe events but not for those "shoulder" or minor storm events.

RG&E has developed a process to identify and track minor storms days by Division. This information will be used to study the relationship between the hardening of the electric delivery system and how that affects major storm events and minor storm events.

The table below lists the minor storm events from 2012 –

Division	Date	Interruptions	Customers Affected	Customer Hours	Percent Customers Out
Canandaigua	2/28/2012	5	5,357	6,664	17.7%
Canandaigua	3/16/2012	4	1,793	963	5.9%
Canandaigua	5/3/2012	10	1,450	5,245	4.8%
Canandaigua	5/29/2012	26	2,872	9,185	9.5%
Lakeshore	5/29/2012	21	1,459	4,117	5.7%
Genesee	7/26/2012	8	1,254	2,184	6.9%
Genesee	7/31/2012	6	1,032	2,133	5.6%
Lakeshore	8/5/2012	5	1,408	2,135	5.5%
Lakeshore	9/4/2012	11	1,029	3,253	4.0%
Lakeshore	9/8/2012	16	2,081	3,477	8.2%
Genesee	9/26/2012	5	826	114	4.5%
	TOTALS	117	20,561	39,471	

The information above is presented for reliability trending and comparison purposes only.

Uncontrollable Events

RG&E experienced a number of large uncontrollable, non-weather related events in 2012. The largest of these events are listed in the table below.

Division	Event Start Date	Customers Impacted	Customer Hours	Cause Description
Rochester	1/29/2012	575	939	Foreign Object - Mylar Balloons
Canandaigua	2/28/2012	6,034	7,326	Motor Vehicle Accident
Rochester	4/21/2012	473	1,120	Loss of Supply - Foreign Utility
Genesee	8/22/2012	4,075	6,743	Motor Vehicle Accident
Rochester	8/31/2012	1,651	2,354	Tree - Customer Felled
Rochester	9/19/2012	1,252	1,551	Tree - Customer Felled
Rochester	12/31/2012	10,443	21,451	Foreign Object - Mylar Balloons
	totals:	24,503	41,484	

RG&E is reviewing and monitoring all uncontrollable interruptions to identify any emerging trends due to motor vehicle accidents, vandalism and/or foreign objects.

Adjusted CAIDI and SAIFI performance due to exclusion of uncontrollable events

RG&E	Customers Connected	Customers Interrupted	Customer Hours	CAIDI	SAIFI
As Reported	364,617	265,720	475,114	1.79	0.730
Minus Identified Events	364,617	241,217	433,630	1.80	0.660

RG&E will continue to identify and track events of this nature in future years for potential exclusion from reliability metrics' calculations as allowed per the process noted in the current Rate Plan.

Major Transmission and Distribution Capital Investments in 2012 –

2012 Major Capital Project Investments

Project Title	2011 Act	2012 Act	Total
Broad St (Court St - Chesnut St) Hwy	$227,647	$262,785	$490,433
CableCure Program	$1,821,543	$785,491	$2,607,034
Culver Rd (Clfrd - Lrltn & Atlc - Garsn)	$320,662	$4,117	$324,779
DOE Stimulus Program Capacitor Bank-RGE	$669,811	$622,263	$1,292,074
Geneseo Area RTU Connectivity Project	$93,755	$24,997	$118,752
GMI - Station 56 Replace Transformer	$984,471	$3,095,060	$4,079,531
Jefferson Ave Electric Facilities Relocation	$2,311,171	$549,770	$2,860,941
Line 727 - 34.5 kV Gas filled cable	$166,944	$1,426,269	$1,593,213
Line 926 - Upgrade 115kV Line - Rochester	$204,370	$147,414	$351,784
Midtown Electric Facilities Relocation	$15,440	$73,856	$89,296
New 345 kV Source - Rochester Area Reliability Project	$1,831,601	$6,957,994	$8,789,595
RGE RTU Installation Project	$2,684,445	$1,546,825	$4,231,270
Sectionalize 115kV Circuit 917 (sta. 7 - Sta. 418)	$119,523	$1,542,614	$1,662,137
Sectionalizer Replacement Program	$1,087,075	$1,152,145	$2,239,220
Sta. 136 - Add transformer & 12kV circuits	$52,236	$1,505,828	$1,558,063
Sta. 23 New Downtown 115kV Source	$5,613,089	$4,814,621	$10,427,710
Station 124 New Phase Shifter Transformer	$5,707,323	$13,819,926	$19,527,249
Station 124 New SVC (static var compensator)	$8,477,402	$10,744,549	$19,221,952
Station 168 Service Area Reinforcement	$93,363	$10,076	$103,439
Station 180 & 128 New Capacitators	$582,264	$656,874	$1,239,138
Station 218 to Clyde New 34.5 kV Transmission Line	$39,312	$1,271,867	$1,311,178
Station 23 Transformer & 11kV Switchgear	$1,625,079	$2,572,454	$4,197,533
Station 262 New 115kV /34.5kV Substation	$94,670	$3,177,094	$3,271,765
Station 37 - Repl Circuit Breakers	$220,178	$172,634	$392,812
Station 38 Substation Modernization - upgrade	$179,232	$4,470,370	$4,649,602
Station 42 - Replace 115-11kV 4T Transformer	$203,231	$1,966,622	$2,169,853
Station 42 - Replace 34.5-11.5kV 3T Transformer	$266,336	$2,481,851	$2,748,188
Station 42, Add Circuit Capacitor	$589,829	$927,404	$1,517,234
Station 56 - Additional 12kV Source	$115,264	$3,203,365	$3,318,628
Station 67 to 418 New 115 kV Transmission Line	$12,676	$754,187	$766,863
Station 80 - Replace 1T and 3T Transformers	$3,385,770	$1,136,695	$4,522,465
Stations 42-124-204 Fiber Optic Cable Replacement	$47,415	$888,013	$935,428
U of R New 115 /34.5kV Substation	$0	$476,171	$476,171
Victor Area 5 RTU Connectivity Project	$133,116	$45,430	$178,546
Webster East New 12 kV Source	$897,806	$3,652,595	$4,550,402
Westfield St (Chili - Brooks) Rel Elec	$235,597	$58,447	$294,044

Reliability indices for individual regions and overall company will reflect the impacts of these projects.

Specific Distribution Reliability Projects/Investments in 2012 -

Name	Description	Actual
New Circuit 7712 Oakland Rd, Platform Distribution	Construction of this circuit also provides potential for bringing three-phase north to tie with Circuit 7705 in Ridge in the future.	$101,865
Tree Brook Dr Pen. Cable Replacement 5127 / 5195	Replace approximately 2800' of faulted 1/0 ADB cables with 1/0 EPR by directional drilling on various streets in Penfield.	$82,704
Latta Rd Greece URD XLP Cable Replacement Project -Cir 5159	Replacing 11 sections, (16,240') of URD XLP cable that could not be cable cured due to too many splices/repairs on cables.	$58,256
Woolhouse Rd 2011 Part II	This project will replace poles previously inspected and identified as being in extremely poor condition.	$51,071
Moran Rd 2011 Worst Performing Cir Rebuild	This project will replace poles previously inspected and identified as being in extremely poor condition.	$50,093
2010 Project OSMOSE Poles Savannah	This project will replace poles previously inspected and identified as being in extremely poor condition.	$42,115
English Rd Greece Cir 5160 Latta Rd Greece	Replacing 18 sections, (11,304') of URD XLP cable that could not be cable cured due to too many splices/repairs on cables.	$26,971
Hillcrest Dr T Cdga URD cable replacement	Direct bore 4" conduit 265' and pull in three 1/0 primary wires (315' each) from SWGR #1 to P#3S. Install new 4" galv. standpipe/bend on P#3s	$25,442
Laurelton Rd IR	Splitting up transformer loading, replacing old poles (22) and upgrading primary wire.	$19,865
2010 Project OSMOSE Poles Marion	This project will replace poles previously inspected and identified as being in extremely poor condition.	$13,855
XLP Cable Repl Spyglass Hill S Bristol	Project consists of 3,400 feet direct boring and replacement of 3,600 feet of faulty XLP cable.	$9,289
McKinister St- Subway Circuit 444 upgrade	install 2000' of new conduit, 7 new manholes and 2000' of 500kcm 15kv cables from Denver St, north of Parsells Ave to McKinister St, via Rosewood Ter. This will enhance circuit reliability, remove 3 phase underground distribution from inaccessible rear lots and allow for a better tie point for 4 kv circuits.	$8,051
Circuit 5108 Beaman Rd E.	Replacing 18 poles (greater than 50 yrs old) and reconductoring 3-1/0 secondary to 1/0 triplex. ±995'. Replacing 4- 25kva transformers.	$4,052
Waterford circle Hen. Replacement Cable Circuit 5180	Replace XLP primary cable with 1/0 EPR from TR#4 to TR#6 by directional drilling.	$3,776

Reliability indices for individual regions and overall company will reflect the impacts of these projects.

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, Level III, or Level IV 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

Canandaigua Division

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

CANANDAIGUA PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 1.50)	1.76	1.88	1.60	1.52	1.66
SAIFI (goal - 1.40)	1.11	0.71	0.80	1.61	1.14
Interruptions	427	399	430	477	523
Customer Hours	59,567	41,615	37,564	72,171	57,580
Customers Interrupted	33,803	22,173	23,473	47,546	34,608
Customers Connected	30,355	31,175	29,437	29,539	30,320

Canandaigua exceeded the CAIDI and met the SAIFI PSC targets in 2012.

Canandaigua Performance: CAIDI & SAIFI by PSC cause codes –

CANANDAIGUA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	4.51	1.82	6.65	1.56	4.76
2	Tree Contacts	1.69	1.73	1.57	1.56	2.34
3	Overloads	0.00	4.00	0.00	0.78	1.82
4	Operational Errors	0.70	0.09	0.11	1.00	1.09
5	Equipment Failures	1.79	2.22	1.55	1.18	1.84
6	Accidents/Non-Utility	1.89	1.84	1.71	1.66	1.26
7	Prearranged	2.02	2.46	2.42	1.18	0.30
8	Customer Equipment	1.44	1.33	1.12	1.14	1.83
9	Lightning	2.00	2.04	1.98	1.69	2.10
10	Unknown	1.43	1.40	1.26	1.33	2.16

CANANDAIGUA DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.63	0.53	0.25	0.38	0.07
2	Tree Contacts	0.34	0.14	0.25	0.29	0.23
3	Overloads	0.00	0.00	0.00	0.04	0.00
4	Operational Errors	0.05	0.03	0.03	0.00	0.00
5	Equipment Failures	0.28	0.23	0.11	0.33	0.21
6	Accidents/Non-Utility	0.34	0.22	0.29	0.62	0.36
7	Prearranged	0.01	0.01	0.03	0.01	0.11
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.09	0.06	0.04	0.28	0.20
10	Unknown	0.01	0.03	0.04	0.04	0.03

Canandaigua Failed Division Review – exceeded 2012 CAIDI target

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	86	16.4%	6,822	19.7%	15,985	27.8%
Overloads	3	0.6%	22	0.1%	40	0.1%
Operational Errors	5	1.0%	129	0.4%	141	0.2%
Equipment Failures	110	21.1%	6,461	18.7%	11,867	20.6%
Accidents/Non-Utility	112	21.4%	10,923	31.6%	13,760	23.9%
Prearranged	143	27.3%	3,230	9.3%	980	1.7%
Customer Equipment	3	0.6%	12	0.0%	22	0.0%
Lightning	41	7.8%	6,083	17.6%	12,783	22.2%
Unknown	20	3.8%	926	2.6%	2,000	3.5%
TOTALS	**523**	100.0%	**34,608**	100.0%	**57,578**	100.0%

Summary –

The Canandaigua Division in 2012 has exceeded its CAIDI target and met its SAIFI PSC target. The major contributing cause of this failure was Tree Contacts.

In 2011, the Canandaigua Division exceeded its CAIDI target and its SAIFI target. The major contributing causes of the 2011 CAIDI and SAIFI failure were Accident/Non-Utility related interruptions.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines for Hot Spot and Maintenance Clearing.
- Evaluate trimming all 12 kV circuits.
- Replace 60 plus year old and deteriorated poles.
- Continue replacement program for aluminum based bells.
- Evaluate underground cable in subdivisions and other installations and develop plan for replacement.
- Re-start program to install additional fault indicators in subdivisions that are not a radial feed.
- Conducting patrols of red list and yellow list of Worst Performing circuits. Crews doing minor tree trimming and all find and fix work.
- Assign more crews to scheduled outages to complete projects quicker.
- Utilize on-site contractors earlier for minor storm work in region.
- When appropriate, defer non-essential outage related work.
- Pull crews off capital work quickly to help with outage work.
- Review and seek approval for all planned outages.
- Implement a maintenance program for fault indicators.
- Line Crews provide their support to Rochester, Genesee and Lakeshore routinely to enhance reliability and improve restoration times.

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 82] –

- Circuit 0127CF5230
- Circuit 0168CF5189
- Circuit 0168CG5190

The 2013 planned corrective actions for these circuits are –

Circuit 0168CF5189 –

- Replace 12 poles Hacket Rd.
- Replace 60 year old poles.
- Convert Hackett Rd. & Yellow Mills Rd. area from 4KV to 12KV.
- Replace of approx. 400ft of 500kCM EPR underground feeders with new 750kCM .cable. Spare conduits are available in existing duct banks.
- Replacing 400/5ACT's with 800/5A CT's.
- Changing a 7.5kV bladed cutout with a SID switch.
- Conducting patrols of circuit. Crews will perform find and fix.

Circuit 0127CF5230 –

- Replace 60 year old poles.
- Conducting patrols of circuit. Crews will perform find and fix.

Circuit 0168CF5190 –

- Replace 10,000ft of 1/0 Al ADB-XLP underground cable with 1/0 Al EPR-JCN cable and conduit.
- Install 2000ft of three phase 1/0 CU supply cable to create a new circuit loop.
- Replace 2 PMH-9 pad mounted switchgears with PME-9.
- Replace 60 year old poles.
- Replacing approx 400ft of 500kCM EPR underground feeders with 750kCM cable in existing duct bank.
- Replacing 400/5ACT's with 800/5A CT's.
- Changing a 7.5kV bladed cutout with a SID switch.
- Conducting patrols of circuit. Crews will perform find and fix.

Corrective actions undertaken in 2012 to improve the Canandaigua Division's reliability performance and to address the 2011 failure of CAIDI and SAIFI include –

- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators as part of IR mainline survey.
- Replaced aluminum based bells.
- Conducted patrols of red and yellow list of Worst Performing circuits. Crews doing minor tree trimming and all find/fix work.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency
- Find/Fix & IR Survey - accelerated IR mainline surveys at RGE IR was increased from 20% of main line distribution to 100%.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone.
- Review Planned Interruptions - reviewed all planned interruption identifying ways to shorten duration and minimize customers affected.

- Reinforced direct dispatch of tree crew by ECC and provided changes for dispatch protocols.
- Review for Fault Locators.
- Review for additional lightning protection.
- Fault Indicators – Installed on several circuits.
- Battery change-out program. Completed 34kV circuits. Units were replaced rather than battery change out. 12kV to be added by crews as needed.

Vegetation Management in 2012 –

- 230 miles of distribution line tree trimming was completed.
- 55 spans of Hot Spot trimming were completed.

Corrective actions taken on the 2011 worst performing circuits include –

Operations personnel patrolled these circuits between the station breaker and the first fuse point or sectionalizing device (Zone 1) to identify any line issues that could potentially cause an outage. Issues were prioritized and then work was completed to eliminate or reduce any interruption risk.

Additional capital and O&M projects completed in 2012 include –

- Reclosers / Sectionalizers - install recloser on 34Kv Circuit #782 once arrive from vendor.
- Recloser installations have been accelerated.
- Replaced 22 poles on 0168CF5190
- Replaced 41 poles Circuit 0168CF5189
- Continue to inject predetermined XLPE cable by contractor for the URD Cable Injection Program. 2013 Contractor TBD, currently in the bid process. Circuits 5260, 5192 and 5138 currently in process, more circuits planned
- Power Quality Projects

Genesee Division

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

GENESEE PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 1.75)	1.75	1.62	1.77	2.12	1.34
SAIFI (goal - 1.40)	0.72	0.95	1.46	1.18	1.42
Interruptions	215	307	308	394	328
Customer Hours	22,727	27,820	48,290	46,580	34,735
Customers Interrupted	12,967	17,149	27,320	21,933	25,950
Customers Connected	18,009	18,007	18,734	18,545	18,338

Genesee met the CAIDI and exceeded the SAIFI PSC targets in 2012.

Genesee Performance: CAIDI & SAIFI by PSC cause codes –

GENESEE DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	4.11	4.60	5.42	2.70	6.13
2	Tree Contacts	1.72	1.93	2.04	2.74	2.20
3	Overloads	3.83	1.33	1.50	1.00	0.69
4	Operational Errors	0.00	1.14	0.00	0.95	0.00
5	Equipment Failures	2.23	1.73	1.39	1.15	2.33
6	Accidents/Non-Utility	2.77	2.04	1.71	3.05	1.65
7	Prearranged	0.39	0.65	1.54	1.86	0.17
8	Customer Equipment	0.00	3.67	4.25	1.86	1.20
9	Lightning	1.62	2.02	2.14	2.09	2.09
10	Unknown	1.64	1.72	2.24	1.41	1.70

GENESEE DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	1.02	1.39	0.22	1.73	0.10
2	Tree Contacts	0.32	0.29	0.63	0.44	0.31
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	0.11	0.41	0.55	0.24	0.03
6	Accidents/Non-Utility	0.09	0.03	0.09	0.07	0.35
7	Prearranged	0.09	0.17	0.06	0.02	0.47
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.09	0.03	0.08	0.28	0.16
10	Unknown	0.02	0.02	0.05	0.12	0.07

Genesee Failed Division Review – exceeded 2012 SAIFI target

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	87	26.5%	5,749	22.2%	12,630	36.4%
Overloads	7	2.2%	215	0.8%	149	0.4%
Operational Errors	0	0.0%	0	0.0%	0	0.0%
Equipment Failures	50	15.2%	635	2.4%	1,480	4.3%
Accidents/Non-Utility	23	7.0%	6,404	24.7%	10,569	30.4%
Prearranged	58	17.7%	8,618	33.2%	1,425	4.1%
Customer Equipment	6	1.8%	20	0.1%	24	0.1%
Lightning	65	19.8%	2,940	11.3%	6,135	17.6%
Unknown	32	9.8%	1,369	5.3%	2,323	6.7%
TOTALS	**328**	**100.0%**	**25,950**	**100.0%**	**34,735**	**100.0%**

Summary –

The Genesee Division in 2012 has met its CAIDI target and exceeded its SAIFI PSC target. The major contributing cause of this failure is Tree Contacts.

In 2011, the Genesee Division exceeded its CAIDI target and met its SAIFI target. The major contributing cause of the 2011 CAIDI failure was Tree Contacts.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines for Hot Spot and Maintenance Clearing
- Evaluate trimming all 4 kV circuits.
- Replace 60 plus year old and deteriorated poles
- Continue replacement program for aluminum based bells.
- Implement a maintenance program for fault indicators.
- Conducting patrols of red list and yellow list of Worst Performing circuits. Crews doing minor tree trimming and all find/fix work.
- Assign more crews to scheduled outages to complete projects quicker.
- Expedite new mapping system. This will shorten the time needed to identify and solve problems in the field.
- When appropriate, defer non-essential outage related work.
- Pull crews off capital work quickly to help with outage work.
- Review and seek approval for all planned outages.
- Line Crews provide their support to Rochester routinely to enhance reliability and improve restoration times.
- Utilize on-site contractors earlier for minor storm work in region.

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 82] –

- Circuit 8332GV7703
- Circuit 8373GV7705

The 2013 planned corrective actions for these circuits are –

Circuit 8332GV7703 –

- Replace 60 year old poles
- Conducting patrols of circuits. Crews will perform find and fix

Circuit 8373GV7705

- Replace 60 year old poles
- Conducting patrols of circuits. Crews will perform find and fix.

Corrective actions undertaken in 2012 to improve the Genesee Division's reliability performance and to address the 2011 failure of CAIDI and SAIFI include –

- Survey circuits for vegetation hotspots in zone 1.
- Supported trouble in Rochester routinely to enhance reliability.
- Inspection of aluminum bell and side post insulators as part of IR mainline survey.
- Replaced aluminum based bells.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency. All 2012 type 1 and type 2deficiencies on worst performing circuits were completed.
- Find/Fix & IR Survey - accelerated IR mainline surveys at RGE IR was increased from 20% of main line distribution to 100%. Completed all level 1 and 2 deficiencies.
- Review for Fault Locators.
- Review for additional lightning protection
- Completed construction of new circuit 8316GV7712 3ph backup for 8332GV7703
- Battery change-out program. Completed 34kV circuits. Units were replaced rather than battery change out. 19.9 & 12kV to be added by crews as needed.
- Proactively patrolled after wind and weather events.
- Reinforced direct dispatch of tree crew by ECC and provided changes for dispatch protocols.

Vegetation Management in 2012 –

- 230 miles of distribution line tree trimming was completed.
- 245 spans of Hot Spot trimming were completed.

Corrective actions taken on the 2011 worst performing circuits include –

Circuit 8373GV7705 –

- Replaced regulator platform & 21 poles
- New recloser was installed

Circuit 8376GV7706 –

- Replaced 12 poles & 6 spans of secondary

Additional capital and O&M projects completed in 2012 include –

- Reclosers / Sectionalizers Project – installed once received from the vendor.
- Recloser installations have been accelerated.
- 78 poles were replaced that were 60 year old and deteriorated
- Identified and resolved several power quality issues.
- TDIRP Projects and CapEx Projects
- Stray Voltage Inspection Program – responded and corrected all reported deficiencies.

Lakeshore Division

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

LAKESHORE PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 1.50)	1.54	1.39	1.34	2.12	1.76
SAIFI (goal -1.40)	0.82	1.30	1.80	1.12	0.87
Interruptions	385	461	326	359	361
Customer Hours	31,993	45,591	61,148	60,141	38,828
Customers Interrupted	20,762	32,878	45,616	28,371	22,104
Customers Connected	25,349	25,369	25,368	25,297	25,531

Lakeshore exceeded the CAIDI and met the PSC SAIFI targets in 2012.

Lakeshore Performance: CAIDI & SAIFI by PSC cause codes –

LAKESHORE DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	4.33	0.95	4.14	2.76	5.28
2	Tree Contacts	2.02	1.78	1.43	2.04	1.95
3	Overloads	1.10	1.75	0.90	1.67	2.00
4	Operational Errors	0.26	0.13	0.75	0.79	0.60
5	Equipment Failures	1.04	1.13	1.72	2.57	2.03
6	Accidents/Non-Utility	1.23	1.23	1.15	1.67	1.20
7	Prearranged	2.58	0.65	1.82	0.57	0.48
8	Customer Equipment	1.00	0.00	2.50	0.72	0.00
9	Lightning	2.00	1.49	0.77	2.58	1.88
10	Unknown	0.83	1.35	1.06	2.22	1.59

LAKESHORE DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	2.25	0.43	0.14	0.69	0.64
2	Tree Contacts	0.24	0.44	0.79	0.55	0.44
3	Overloads	0.00	0.00	0.01	0.00	0.00
4	Operational Errors	0.06	0.04	0.00	0.04	0.00
5	Equipment Failures	0.15	0.30	0.32	0.22	0.11
6	Accidents/Non-Utility	0.13	0.32	0.50	0.09	0.13
7	Prearranged	0.01	0.01	0.00	0.03	0.03
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.19	0.17	0.16	0.17	0.08
10	Unknown	0.04	0.01	0.00	0.02	0.08

Lakeshore Failed Division Review – exceeded 2012 CAIDI target

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	121	33.5%	11,235	50.8%	21,870	56.3%
Overloads	1	0.3%	1	0.0%	2	0.0%
Operational Errors	3	0.8%	30	0.1%	18	0.0%
Equipment Failures	53	14.7%	2,817	12.7%	5,705	14.7%
Accidents/Non-Utility	71	19.7%	3,248	14.7%	3,892	10.0%
Prearranged	19	5.3%	730	3.3%	352	0.9%
Customer Equipment	0	0.0%	0	0.0%	0	0.0%
Lightning	64	17.7%	1,922	8.7%	3,617	9.4%
Unknown	29	8.0%	2,121	9.7%	3,373	8.7%
TOTALS	**361**	**100.0%**	**22,104**	**100.0%**	**38,829**	**100.0%**

Summary –

The Lakeshore Division in 2012 has exceeded its CAIDI target and met its SAIFI PSC target. The major contributing cause of this was Tree Contacts.

In 2011, the Lakeshore Division exceeded its CAIDI target and met its SAIFI target. The major contributing cause of the 2011 CAIDI failure was Tree Contacts.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming distribution and transmission lines for Hot Spot and Maintenance Clearing
- Trimming all 12 kV circuits.
- Replace 60 plus year old and deteriorated poles.
- Implement a maintenance program for fault indicators.
- Evaluate underground cable in subdivisions and other installations and develop plan for replacement.
- Re-start program to install additional fault indicators in subdivisions that are not a radial feed.
- Conducting patrols of red list and yellow list of Worst Performing circuits. Crews doing minor tree trimming and all find and fix work.
- Continue replacement program for aluminum based bells.
- Assign more crews to scheduled outages to complete projects quicker.
- When appropriate, defer non-essential outage related work.
- Pull crews off capital work quickly to help with outage work.
- Review and seek approval for all planned outages.
- Utilize on-site contractors earlier for minor storm work in region.
- Line Crews provide their support to Rochester and Canandaigua routinely to enhance reliability and improve restoration times.

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 82] –

- Circuit 0202LS5194
- Circuit 0217LS5238

The 2013 planned corrective actions for these circuits are –

Circuit 0202LS5194

- Replace 60 year old poles
- Crews will conduct patrols of circuits and perform find and fix.

Circuit 0217LS5238

- Replace 60 year old poles.
- Crews will conduct patrols of circuits and perform find and fix

Corrective actions undertaken in 2012 to improve the Lakeshore Division's reliability performance and to address the 2011 failure of CAIDI and SAIFI include –

- Survey circuits for vegetation hotspots in zone 1
- Inspection of aluminum bell and side post insulators as part of IR mainline survey.
- Replaced aluminum based bells.
- Supported trouble in Rochester and Canandaigua routinely to enhance reliability.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency
- Find/Fix & IR Survey - accelerated IR mainline surveys at RGE IR was increased from 20% of main line distribution to 100%.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone.
- Reinforced direct dispatch of tree crew by ECC and provided changes for dispatch protocols.
- Review for Fault Locators.
- Review for additional lightning protection
- Fault Indicators – installed on several circuits
- Battery change-out program. Completed 34kV circuits. Units were replaced rather than battery change out. 12kV to be added by crews as needed.

Vegetation Management in 2012—

- 260 miles of distribution line tree trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Operations personnel patrolled these circuits between the station breaker and the first fuse point or sectionalizing device (Zone 1) to identify any line issues that could potentially cause an outage. Issues were prioritized and then work was completed to eliminate or reduce any interruption risk.

Additional capital and O&M projects completed in 2012 include –

- Reclosers / Sectionalizers – review circuits and install reclosers
  Circuit 0181LS0233 P-15 New Hartford St & P-T2206 Wilson St., Butler
  Circuit0218LS5253 P-T-170-1 South Butler Rd., Butler
  Circuit0202LS5194 P-10 Arbor Rd., Ontario
  Circuit0217LS5154 P-31 Lyman Rd., Rose
  Circuit0205LS5202 P-20Knickerbocker Rd., Ontario
  Circuit0189LS5113 P-60 Chapman Corners Rd. & P-99 Furnace St., Wolcott
- Recloser installations have been accelerated.
- Replaced 43 deteriorated poles on Circuit 0198LS5227
- Replaced 8 deteriorated poles on Circuit 0217LS5154
- Replaced 33 deteriorated poles on Circuit 0189LS5112
  Replaced 21 deteriorated poles on Circuit 0202LS5194
- Evaluate underground cable in subdivisions and other installations and develop plan for replacement.
- Power Quality Projects

Rochester Division

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

ROCHESTER PERFORMANCE WITHOUT MAJOR STORMS

	2008	2009	2010	2011	2012
CAIDI (goal - 2.00)	1.90	1.90	1.82	1.86	1.88
SAIFI (goal - 0.80)	0.74	0.49	0.55	0.74	0.63
Interruptions	1,787	1,761	1,824	1,909	1,842
Customer Hours	399,076	263,510	285,969	400,486	343,971
Customers Interrupted	210,506	138,556	157,109	215,129	183,058
Customers Connected	284,789	283,558	286,057	288,791	290,429

Rochester met both the CAIDI and SAIFI PSC targets in 2012.

Rochester Performance: CAIDI & SAIFI by PSC cause codes –

ROCHESTER DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	CAIDI				
		2008	2009	2010	2011	2012
1	Major Storms	7.97	0.00	7.02	4.36	9.13
2	Tree Contacts	1.81	2.04	1.81	2.24	2.29
3	Overloads	2.00	1.40	2.30	2.47	1.34
4	Operational Errors	0.31	0.59	0.51	1.28	0.56
5	Equipment Failures	1.79	1.79	1.71	1.45	1.68
6	Accidents/Non-Utility	1.50	1.52	1.85	1.40	1.72
7	Prearranged	3.07	3.02	2.25	2.70	0.93
8	Customer Equipment	0.79	0.92	1.09	2.07	1.97
9	Lightning	2.21	1.78	2.24	2.24	2.93
10	Unknown	1.53	1.37	2.38	2.67	1.56

ROCHESTER DIVISION						
PSC CODE	PSC CAUSE CODE DESCRIPTION	SAIFI				
		2008	2009	2010	2011	2012
1	Major Storms	0.40	0.00	0.05	0.02	0.16
2	Tree Contacts	0.14	0.13	0.19	0.21	0.13
3	Overloads	0.01	0.00	0.01	0.03	0.01
4	Operational Errors	0.02	0.00	0.02	0.00	0.01
5	Equipment Failures	0.20	0.20	0.21	0.34	0.16
6	Accidents/Non-Utility	0.11	0.06	0.04	0.05	0.13
7	Prearranged	0.06	0.05	0.04	0.02	0.07
8	Customer Equipment	0.00	0.00	0.00	0.00	0.00
9	Lightning	0.17	0.02	0.02	0.03	0.09
10	Unknown	0.04	0.03	0.02	0.05	0.03

Rochester Division Review –

Interruption Breakdown by PSC Cause Code

PSC CAUSE CODE DESCRIPTION	*Interruptions*		*Customers Interrupted*		*Customer Hours of Interruption*	
Tree Contacts	407	22.1%	36,789	20.1%	84,304	24.5%
Overloads	68	3.7%	4,348	2.4%	5,823	1.7%
Operational Errors	26	1.4%	2,864	1.6%	1,618	0.5%
Equipment Failures	526	28.6%	46,084	25.2%	77,324	22.5%
Accidents/Non-Utility	288	15.6%	37,913	20.7%	65,044	18.9%
Prearranged	267	14.5%	20,387	11.1%	18,903	5.5%
Customer Equipment	6	0.3%	32	0.0%	63	0.0%
Lightning	157	8.5%	26,880	14.7%	78,768	22.9%
Unknown	97	5.3%	7,761	4.2%	12,124	3.5%
TOTALS	**1,842**	**100.0%**	**183,058**	**100.0%**	**343,971**	**100.0%**

Summary –

The Rochester Division in 2012 has met both its CAIDI target and its SAIFI PSC targets.

In 2011, the Rochester Division also met its CAIDI target and its SAIFI PSC targets.

2013 Planned Corrective Efforts to Improve Reliability Performance –

- Trimming our distribution and transmission lines for Hot Spot and Maintenance Clearing.
- Completion in 2013 will be to replace 60 plus year old and deteriorated poles.
- Continue replacement program for aluminum based bells.

The following circuits have been identified as worst performing circuits in 2012 [see section 5 on page 82] –

- 0136RO5296
- 0106RO5166
- 0070RO5237
- 0136RO5294
- 0136RO5295
- 0115RO5258
- 0104RO5157
- 0109RO5137
- 0104RO5156
- 0070RO5193
- 0106RO5167
- 0230RO5162
- 0109RO5195
- 0070RO5236
- 0126RO5225
- 0419RO5120
- 0022RO0426
- 0041RO0432
- 0040RO2223

- 0071RO5110
- 0117RO2130
- 0111RO5298

The 2013 planned corrective actions for these circuits are—

- Survey circuits for vegetation hotspots in zone 1.
- Inspection of aluminum bell and side post insulators.
- Line Repairs – repair any line equipment categorized as a type 1 or a type 2 deficiency.
- Identify Save-a-Fuse Circuits – review fuse coordination and identify additional circuits for implementing 'save a fuse' settings.
- Find/Fix & IR Survey - accelerated IR mainline surveys at RGE. IR was increased from 20% of main line distribution to 100%.
- Develop optimized response routes.
- Review Sectionalizing Points - reviewed current circuit configuration to locate best sectionalizing locations in each zone.
- Review Planned Interruptions - reviewed all planned interruption identifying ways to shorten duration and minimize customers affected.
- Review for Fault Locators.
- Review Available Scheduled Workers - review scheduled worker assignments, determine ways to improve response time to each circuit for after hour's trouble.
- Battery change-out program. Completed 34kV circuits. Units were replaced rather than battery change out. 12kV to be added by crews as needed.

Vegetation Management in 2012 –

- 381 miles of distribution line tree trimming was completed.

Corrective actions taken on the 2011 worst performing circuits include –

Operations personnel patrolled these circuits between the station breaker and the first fuse point or sectionalizing device (Zone 1) to identify any line issues that could potentially cause an outage. Issues were prioritized and then work was completed to eliminate or reduce any interruption risk.

Additional capital and O&M projects completed in 2012 include –

- Reclosers / Sectionalizers - review circuits and install reclosers in targeted locations.
- Vehicle Tracking System – to better track and dispatch nearest crew.
- Distribution Automation – incorporate into AMI. Expand the east side automation, programmatically.
- Cable/UG Systems – Create database to track repeat cable outages (being done manually now).

Section 3. Reliability Programs

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

Reliability Program Actuals	2008	2009	2010	2011	2012
Oper Superv & Eng	$ 669,772	$ 781,219	$ 1,330,595	$ 896,025	$ 817,488
Load Dispatching	$ -	$ -	$ -	$ -	$ -
Station Expenses	$ 1,976,182	$ 1,936,365	$ 2,079,509	$ 2,065,762	$ 1,787,754
Overhead Line Expense	$ 291,568	$ 204,115	$ 288,374	$ 186,135	$ 195,848
Transmission of Elec	$ 319,896	$ 319,896	$ 319,896	$ 319,896	$ 319,896
Misc. Transmission Expenses	$ 1,025,388	$ 793,789	$ 1,021,879	$ 884,209	$ 727,254
Oper Superv & Eng	$ 1,909,839	$ 2,126,774	$ 1,630,870	$ 1,823,430	$ 1,648,170
Load Dispatching	$ 1,538,762	$ 1,558,178	$ 1,305,315	$ 1,253,728	$ 1,267,812
Station Expenses	$ 1,564,026	$ 1,867,651	$ 1,607,407	$ 1,685,072	$ 1,567,114
Overhead Line Expense	$ 1,394,652	$ 713,140	$ 49,880	$ 1,522,550	$ 1,380,635
Underground Line Expenses	$ 494,909	$ 624,793	$ 953,068	$ 769,151	$ 1,523,521
Street Light & Sign	$ 373,982	$ 302,265	$ 127,490	$ 133,169	$ 59,964
Meter Expense	$ 2,310,014	$ 2,547,982	$ 2,173,964	$ 1,729,248	$ 1,294,201
Customer Installation Expenses	$ 50,682	$ 369,316	$ 281,693	$ 84,418	$ 498,935
Misc. Distribution Expenses	$ 4,110,015	$ 3,862,912	$ 3,705,442	$ 2,856,745	$ 2,914,339

Reliability Program Actuals	2008	2009	2010	2011	2012
Maint Superv & Eng	$ 245,437	$ 354,795	$ 328,185	$ 291,463	$ 237,117
Maintenance of Structures	$ 51,010	$ 87,513	$ 149,266	$ 85,197	$ 86,817
Maintenance station Expenses	$ 1,231,723	$ 695,055	$ 873,284	$ 374,329	$ 490,111
Maint. Overhead Line Expense	$ 1,219,300	$ 1,777,024	$ 1,686,167	$ 1,472,273	$ 1,568,338
Maint Underground	$ 331,393	$ 254,688	$ 305,880	$ 193,790	$ 146,987
Maint Superv & Eng	$ 2,434,761	$ 3,359,553	$ 3,957,740	$ 3,825,994	$ 4,376,656
Maintenance of Structures	$ 1,611	$ 52,455	$ 35,236	$ 26,544	$ 28,026
Maintenance Station Equipment	$ 1,346,181	$ 1,334,249	$ 1,388,831	$ 1,482,252	$ 1,559,031
Maint Overhead Line	$ 16,541,108	$ 11,053,768	$ 9,258,137	$ 16,489,644	$ 15,358,054
Maint of Underground	$ 1,316,986	$ 1,393,346	$ 977,989	$ 1,142,781	$ 169,761
Maint of Line Transformers	$ 383,779	$ 185,544	$ 257,365	$ 141,379	$ 251,729
Maint Street Light	$ 1,001,712	$ 1,682,582	$ 1,119,783	$ 818,966	$ 504,751
Maint of Misc Distr	$ (1,057,719)	$ 5,294,489	$ 26,623,860	$ 9,798,543	$ 4,747,142

Program Overviews and Summaries –

RG&E 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, RG&E 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.

RG&E 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.

RG&E'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 Safety Order, RGE has 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. RG&E's inspection program was designed to visually inspect every facility at least once over a period of five years as required by the Safety 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 program is an effort undertaken in each Division on an annual basis. Inspectors perform a visual assessment to identify the overall condition of the structure, the need to replace lamps and photo-eyes, and open the handhole to inspect the internal wiring. In conjunction with this maintenance program, the fixture is also inspected for various other conditions. RGE inspects 20% of their streetlights annually.

Underground

The underground inspection program provides an inspection of RGE 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. RG&E inspects 20% of their underground assets annually.

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. RGE inspects 20% of all their distribution assets annually.

RG&E also conducts bi-monthly inspections of all 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.

Transmission

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

RG&E is required to visually inspect 20% of all transmission circuits annually within their respective division.

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. 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 is determined by examining the total number of assets to be inspected by asset type (streetlight, distribution pole, transmission pole, underground structure, etc.) and applying a 20% levelization factor to each to ensure an equal amount of inspections are taking place annually throughout the company for the 5 year cycle. Once established, the plan will remain unchanged with only small modifications to include any added or removed assets that take place.

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, Level III, and Level IV 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, Level III, and Level IV 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, RG&E 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 costs of these programs are not directly tracked.

Underground Manhole and Handhole Inspection Program

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

The objective of this program is to perform proactive and predictive maintenance on RG&E 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

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

Lubricate, adjust, exercise and repair as needed on the transmission, sub-transmission and distribution system disconnect switches and isolation devices.

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: Replaced as needed with Capital

Distribution Switchgear Inspection and Maintenance Program

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

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

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

The program evaluates the annual performance of RG&E 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

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: As needed.

Corona Detection Program

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

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

The objective of this program is to perform proactive and predictive maintenance on 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 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.

URD XLP CableCure Injection Program

The Cablecure Injection Program was designed to extend the operating life of URD XLP insulated cable purchased and installed between 1970-1985. This vintage XLP cable has experienced a significant premature failure rate. Industry research has determined that the prevalent cause of the failures has been initiated by voids in the insulation that slowly deteriorate to water trees and subsequently into electrical trees. The electrical trees ultimately compromise the insulation integrity of the XLP insulation resulting in cable failure. The Cablecure injection process

involves testing each of the cable sections to assess the condition and ability of each section to support the required flow and pressure. Those sections deemed suitable for injection are injected with a patented insulating fluid into the conductor strands. Once in the strands the fluid permeates the XLP insulation and fills the void and water trees. Filling both the voids and water trees restores the integrity of the XLP insulation. The manufacturer/installer guarantees the treatment process for 20 years. If a cable section fails during the guarantee period, the cost of the injection process is recoverable.

Program Cycle: As needed

Electric Substation Battery Maintenance Program

The Maintenance of substation batteries includes routine inspections, battery resistance testing and battery replacements where required. All substation batteries are inspected periodically. Discharge tests are performed on bulk power transmission stations per NPCC intervals.

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

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; Annual Maintenance and Testing

Network Maintenance Program

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.

Program benefits: A comprehensive network maintenance program ensures continuous uninterrupted service to the major portion of RG&E's commercial and industrial customers in the Rochester downtown area.

Program Cycle: Annual

Distribution Pad Mount Transformer Maintenance Program

All single and three phase distribution transformers are inspected on a 5 year cycle to ensure customer safety and maintain system reliability.

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

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

The objective of the distribution forestry 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: Varies by voltage class

Gas and Electric Transmission ROW Management Program

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

The objective of this program is to fly the transmission and distribution 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: 2 times per year.

Line Recloser/Sectionalizer Maintenance Program

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

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

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

Perform inspection and required maintenance on all automatic throwover customer stations annually. Internal inspection and operational tests are performed on throwovers 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 RG&E personnel.

Program Cycle: Annual

Electrical System Protection Maintenance Program

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

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

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

System Fault Indicators

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

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)
(Reported in $000)

	2008	2009	2010	2011	2012	5 Year Total
Budget	$1,000	$0	$1,330	$7,775	$6,950	$17,055
Actuals	$3,469	$0	$7,968	$11,366	$12,233	$35,036

2012 TDIRP Main Project Categories (Distribution System Only)

Category	Description	Actuals
Small conductor and aged poles	Replace outdated and undersized poles and small conductor- prioritize circuits based on reliability performance	$10,589
Recloser Installations	Install at new locations, replace old units	$1,149
Arc Series Lighting Conversion	Convert remaining Arc Series lighting circuit located in Brighton and Pittsford. High voltage arc lights are subject to frequest faliure.	$161
Underground Distribution Lines	Replace Lead cable and miscellaneous equipment	$20
Circuit 7703	Provide 3 phase back-up source for Circuit 7703	$314

Futher details listing specific projects are not included as the list contains hundreds of items.

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

Reliability Program Actuals	2008	2009	2010	2011	2012
Oper Superv & Eng	$ 669,772	$ 781,219	$ 1,330,595	$ 896,025	$ 817,488
Load Dispatching	$ -	$ -	$ -	$ -	$ -
Station Expenses	$ 1,976,182	$ 1,936,365	$ 2,079,509	$ 2,065,762	$ 1,787,754
Overhead Line Expense	$ 291,568	$ 204,115	$ 288,374	$ 186,135	$ 195,848
Transmission of Elec	$ 319,896	$ 319,896	$ 319,896	$ 319,896	$ 319,896
Misc. Transmission Expenses	$ 1,025,388	$ 793,789	$ 1,021,879	$ 884,209	$ 727,254
Oper Superv & Eng	$ 1,909,839	$ 2,126,774	$ 1,630,870	$ 1,823,430	$ 1,648,170
Load Dispatching	$ 1,538,762	$ 1,558,178	$ 1,305,315	$ 1,253,728	$ 1,267,812
Station Expenses	$ 1,564,026	$ 1,867,651	$ 1,607,407	$ 1,685,072	$ 1,567,114
Overhead Line Expense	$ 1,394,652	$ 713,140	$ 49,880	$ 1,522,550	$ 1,380,635
Underground Line Expenses	$ 494,909	$ 624,793	$ 953,068	$ 769,151	$ 1,523,521
Street Light & Sign	$ 373,982	$ 302,265	$ 127,490	$ 133,169	$ 59,964
Meter Expense	$ 2,310,014	$ 2,547,982	$ 2,173,964	$ 1,729,248	$ 1,294,201
Customer Installation Expenses	$ 50,682	$ 369,316	$ 281,693	$ 84,418	$ 498,935
Misc. Distribution Expenses	$ 4,110,015	$ 3,862,912	$ 3,705,442	$ 2,856,745	$ 2,914,339

Reliability Program Budgets	2008	2009	2010	2011	2012
Oper Superv & Eng	$ 732,179	$ 793,911	$ 5,564,648	$ 1,046,509	$ 1,267,583
Load Dispatching	$ 360,371	$ (420,584)	$ 9,825	$ -	$ -
Station Expenses	$ 127,152	$ 87,711	$ 87,711	$ 1,103,453	$ 5,679,006
Overhead Line Expense	$ -	$ -	$ -	$ 59,906	$ 95,296
Transmission of Elec	$ 319,896	$ 319,986	$ 330,000	$ 329,496	$ 319,896
Misc. Transmission Expenses	$ 5,130,909	$ 4,901,779	$ 5,564,648	$ 2,827,241	$ 916,872
Oper Superv & Eng	$ 2,044,677	$ 2,694,704	$ 2,165,911	$ 2,590,217	$ 2,199,840
Load Dispatching	$ 1,139,828	$ 1,859,449	$ 1,913,577	$ 1,486,284	$ 1,466,832
Station Expenses	$ 17,270	$ 18,006	$ -	$ -	$ 1,526,013
Overhead Line Expense	$ 554,161	$ 152,797	$ 437,522	$ (4,783,314)	$ (1,274,149)
Underground Line Expenses	$ -	$ -	$ -	$ -	$ -
Street Light & Sign	$ -	$ -	$ -	$ -	$ -
Meter Expense	$ 5,079,236	$ 4,584,782	$ 5,393,486	$ 4,114,932	$ 1,475,351
Cust. Installation Expenses	$ -	$ -	$ -	$ (11,735)	$ 4,732,410
Misc. Distribution Expenses	$ 16,811,984	$ 10,324,271	$ 21,368,791	$ 13,421,605	$ 1,580,917

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

RG&E Electric Craft Job Title	2008	2009	2010	2011	2012
Cable Splicer 1/C	8	7	7	4	4
Cable Splicer 2/C	1	1	1	0	0
Elec Equip Specialist 1/C	1	0	1	1	1
Foreperson-Gas Cable Maintenance	1	0	0	0	0
Foreperson-Subway	1	1	1	1	1
Gang Foreperson - C&M	28	28	28	20	19
Gang Foreperson - Relay Maint	1	0	1	0	0
Gang Foreperson - Subst Elec	6	4	4	4	3
Gang Foreperson - TM&R	8	8	8	7	7
Gang Foreperson - UG	4	4	4	4	4
Lead Cable Splicer	3	4	4	7	6
Lead Elec Equp Specialist	2	1	2	0	0
Lead Lineworker	26	27	26	30	31
Lead Substation Electrician	17	19	19	14	13
Lead Substation Relay Technician	1	1	1	2	5
Lead Troubleworker	11	10	11	12	12
Lineworker 1/C	14	13	14	8	5
Lineworker 2/C	1	1	1	0	0
Reg Elec Sys Field Spec	3	3	3	3	2
Substation Electrician 1/C	7	4	4	2	1
Tech - Communications A	1	1	1	1	0
Tech - SCADA	6	6	6	6	1
Tech - Substa Relay 1/C	2	2	2	2	0
Troubleworker 1/C	3	3	3	0	3
Troubleworker 2/C	1	0	0	0	0
Total	157	148	152	128	118

Contractor Crew Services Used for Each of Previous 5 Years –

RG&E 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 Vegetation Line Clearance Budgets and Actual Expenditures for Each of Previous 5 Years –

Year	Plan	Actual
2008	$3,669,849	$2,530,967
2009	$3,900,000	$3,126,462
2010	$3,730,000	$3,582,952
2011	$6,600,000	$8,071,152
2012	$6,600,000	$6,791,646

Division	Distribution Miles Completed, 2012	34.5 kV	15 kV	5 kV
Canandaigua	232.3		215.2	17.1
Genesee Valley	229.7	155.3		74.4
Lakeshore	260.3		143.9	116.4
Rochester	381.3		208.4	172.9
RGE	1,103.6	155.3	567.5	380.8

Section 4. Power Quality

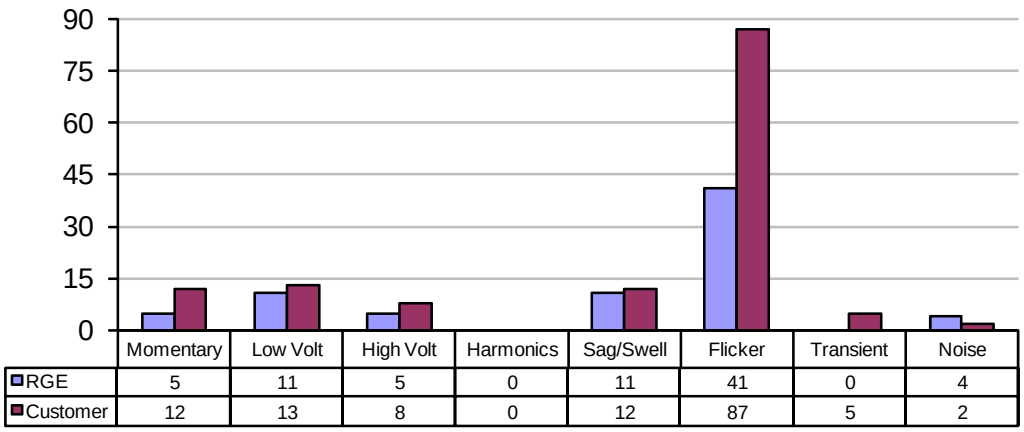
Rochester Gas & Electric Corporation (RG&E) strives to provide to its customers electric service that is very reliable and with a high degree of power quality. This section of the reliability report contains a description of RG&E's power quality program along with a presentation of the power quality data that was obtained through this program in 2012.

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

The process that RG&E goes through to resolve a PQ request can vary greatly depending on the type of PQ problem the customer is contacting the Company about. For an example, flickering lights are 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 types of 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. RG&E 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 2012 regarding the PQ calls RG&E received and the resulting investigations that were conducted.

2012 Reported Power Quality Incidents by Problem Type and Party



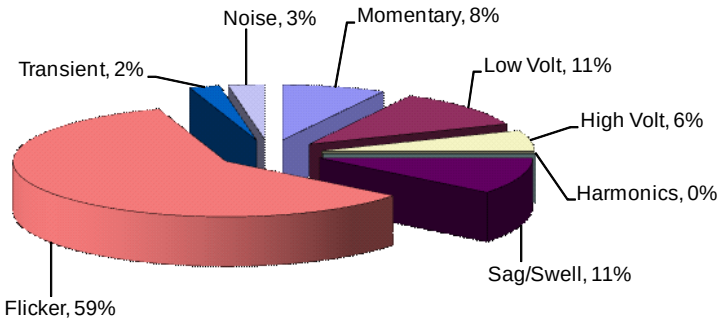
	Momentary	Low Volt	High Volt	Harmonics	Sag/Swell	Flicker	Transient	Noise
RGE	5	11	5	0	11	41	0	4
Customer	12	13	8	0	12	87	5	2

2012 Reported Power Quality Incidents by Division



	Canandaigua	Genesee	Lakeshore	Rochester
Division	18	4	7	187

2012 Reported Power Quality Incidents by Problem Type



Momentary interruptions by Division by voltage level – 5 year history
(RG&E 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					
4kV Circuits	**2008**	**2009**	**2010**	**2011**	**2012**
Canandaigua	1	1	0	2	7
Genesee	0	0	0	0	0
Lakeshore	0	0	0	0	0
Rochester	153	170	78	114	113
Corporate	154	171	78	116	120
12kV Circuits	**2008**	**2009**	**2010**	**2011**	**2012**
Canandaigua	51	38	23	44	20
Genesee	0	0	0	0	0
Lakeshore	14	11	8	12	10
Rochester	194	76	54	107	148
Corporate	259	125	85	163	178
All Circuits	**2008**	**2009**	**2010**	**2011**	**2012**
Canandaigua	52	39	23	46	27
Genesee	0	0	0	0	0
Lakeshore	14	11	8	12	10
Rochester	347	246	132	221	261
Corporate	413	296	163	279	298

*This data represents momentary interruption events as recorded by RGE'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 5. Circuit Performance

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

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

CANANDAIGUA					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0125CF5250	5	291	1,743	5.99	0.72
0148CF2901	1	1	5	4.88	0.00
0168CF5190	27	1,389	5,710	4.11	0.52
0428CF5172	15	1,031	3,200	3.10	0.98
0153CF0252	2	35	98	2.78	0.07
0064RO0480	1	13	34	2.65	0.02
0154CF5260	9	907	2,377	2.62	2.21
0153CF0251	1	5	12	2.48	0.06
0125CF5208	24	294	724	2.46	0.52
0145CF5143	44	1,942	4,645	2.39	2.04
0146CF5139	30	741	1,555	2.10	1.10
0145CF5144	31	853	1,756	2.06	0.85
0156CF0257	6	1,150	2,296	2.00	2.13
0125CF5182	8	1,282	2,518	1.96	1.58
0142CF5191	8	352	650	1.85	0.61
0142CF5192	12	1,156	1,925	1.67	1.08
0156CF0255	10	942	1,548	1.64	2.21
0428CF5138	8	35	54	1.56	0.03
0144CF2913	7	477	725	1.52	0.52
0155CF0259	1	21	31	1.48	0.03
0154CF5261	13	193	281	1.45	0.32
0168CF5189	36	2,678	3,890	1.45	1.79
0127CF5231	11	2,268	3,276	1.44	1.64
0171GV1237	1	1	1	1.38	0.00
0127CF5229	8	878	1,179	1.34	2.43
0142CF5148	15	1,181	1,583	1.34	1.60
0146CF5141	63	2,427	2,878	1.19	2.45
0127CF5230	20	4,514	5,341	1.18	2.86
0149CF2905	4	386	449	1.16	1.12
0149CF0249	8	785	898	1.14	1.04
0144CF2914	1	9	10	1.08	0.20
0143CF5145	24	2,154	2,291	1.06	3.00
0143CF5146	42	2,438	2,437	1.00	2.42
0142CF5149	7	63	61	0.98	0.12
0153CF0250	2	2	1	0.93	0.00
0148CF2902	3	50	43	0.85	0.07
0154CF0391	7	1,551	1,285	0.83	2.29
0115RO5257	1	2	2	0.79	0.00
0144CF2912	1	1	0	0.42	0.03
0154CF0392	1	95	22	0.23	1.01
0154CF2906	0	1	0	0.23	1.00

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

GENESEE					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0142CF5192	1	14	53	3.82	0.01
0176GV1246	5	35	106	3.03	0.16
8333GV7702	24	812	2,007	2.47	0.77
8376GV7706	28	2,821	6,550	2.32	2.96
0179GV1221	3	84	190	2.26	0.28
0175GV1244	6	426	943	2.21	1.00
0171GV1237	10	135	278	2.06	0.31
8327GV7701	24	1,662	3,238	1.95	2.64
8379GV7709	15	691	1,344	1.94	1.14
0163GV1216	2	26	50	1.92	0.06
0176GV1247	4	27	50	1.83	0.20
8345GV7711	14	1,296	2,353	1.82	2.99
0169GV1213	6	1,259	2,206	1.75	4.79
0163GV1241	3	56	95	1.70	0.23
8375GV7707	24	519	870	1.68	0.95
8303GV7710	3	4	6	1.51	0.04
0179GV1230	1	29	43	1.47	0.29
0175GV1243	9	72	95	1.34	0.17
0171GV1220	2	19	25	1.31	0.04
8332GV7703	32	3,212	3,977	1.24	3.94
0184GV1203	7	330	391	1.19	2.56
8373GV7705	19	3,001	3,355	1.12	2.08
0173GV1250	5	473	483	1.02	3.01
0247GV1204	6	1,163	1,161	1.00	1.40
8301GV7704	11	1,668	1,574	0.94	2.14
0184GV1202	9	320	260	0.81	2.48
0169GV1214	3	751	599	0.80	1.60
0179GV1218	1	6	5	0.77	0.40
8377GV7708	13	1,049	648	0.62	1.42
0173GV1249	9	530	327	0.61	1.39
0246GV1207	2	1,503	917	0.61	2.02
0167GV1209	1	25	13	0.53	0.07
0173GV1248	1	278	125	0.45	1.18
0174GV1245	8	472	159	0.34	1.19
0173GV1223	3	281	80	0.28	1.28
0174GV1212	1	23	4	0.18	1.05
0246GV1206	2	490	79	0.16	1.01
0174GV1224	6	379	55	0.14	1.07
0167GV1208	1	2	0	0.12	0.20

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

LAKESHORE					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0194LS5118	9	153	695	4.54	0.24
0194LS5142	12	174	594	3.42	0.34
0218LS5252	12	299	996	3.33	1.46
0189LS5112	14	227	742	3.27	0.46
0189LS5113	23	1,425	4,141	2.91	1.39
0215LS2154	4	73	199	2.72	0.26
0218LS5253	15	501	1,356	2.71	0.88
0215LS2155	2	9	23	2.58	0.05
0205LS5202	11	229	580	2.53	0.12
0198LS5114	19	981	2,294	2.34	1.28
0230RO5161	1	1	2	2.28	0.00
0193LS0227	2	25	57	2.26	0.06
0214LS0222	1	173	381	2.20	1.02
0214LS0211	2	58	127	2.19	0.19
0202LS5194	21	3,074	6,594	2.15	1.64
0192LS0232	1	37	77	2.08	0.45
0189LS5140	13	571	1,166	2.04	1.96
0207LS0206	4	348	708	2.04	1.18
0192LS0215	2	67	133	1.99	0.45
0428CF5138	1	7	14	1.97	0.01
0205LS0237	2	18	36	1.96	0.03
0210LS0225	3	8	15	1.93	0.01
0217LS5154	13	1,178	2,085	1.77	1.21
0198LS5115	15	886	1,547	1.75	2.16
0193LS0226	9	556	897	1.62	0.89
0212LS0245	3	147	233	1.59	0.71
0209LS0240	2	259	408	1.58	0.57
0195LS5151	22	767	1,198	1.57	1.03
0132LS5241	9	412	642	1.56	0.41
0194LS5116	20	1,229	1,792	1.46	0.98
0181LS0217	7	110	153	1.39	0.20
0194LS5117	20	1,960	2,628	1.34	3.08
0214LS2146	3	770	1,013	1.32	2.02
0192LS0216	2	4	5	1.31	0.01
0208LS0242	1	504	640	1.27	2.15
0217LS5238	11	2,039	2,465	1.21	2.63
0120RO5211	1	3	4	1.20	0.00
0198LS5227	12	485	573	1.18	0.59
0195LS5153	13	839	863	1.03	0.94
0210LS0207	1	1	1	0.98	0.00
0210LS0208	8	151	146	0.96	0.30
0132LS5293	5	19	17	0.91	0.03
0208LS0243	1	406	203	0.50	1.02
0210LS0229	2	16	7	0.49	0.23
0230RO5162	5	903	376	0.42	0.55

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0033RO0363	2	37	390	10.54	0.06
0001RO0336	1	27	240	8.90	0.02
0015RO2115	2	98	716	7.31	0.30
0066RO0488	2	33	239	7.27	0.06
0086RO2510	3	33	238	7.21	0.06
0029RO0454	1	14	98	7.00	0.02
0085RO2110	1	1	7	6.85	0.01
0001RO0305	2	99	671	6.79	0.21
0103RO2214	1	1	7	6.63	0.00
0048RO0456	3	124	792	6.39	0.18
0047RO0443	1	1	6	5.90	0.00
0125CF5250	1	2	11	5.73	0.00
0029RO2559	3	115	637	5.54	0.16
0066RO2185	3	59	327	5.53	0.21
0066RO0489	3	3	17	5.52	0.04
0419RO5246	5	119	604	5.08	0.10
0001RO0339	1	14	71	5.07	0.05
0111RO5299	2	335	1,678	5.01	1.14
0036RO0354	2	8	40	4.99	0.01
0100RO2203	1	28	140	4.98	0.06
0101RO2550	1	8	39	4.93	0.01
0029RO0451	3	329	1,560	4.74	0.25
0111RO5298	11	1,571	7,378	4.70	2.82
0062RO0468	3	139	651	4.69	0.16
0050RO0282	3	169	791	4.68	0.17
0029RO2560	6	949	4,269	4.50	1.09
0017RO0471	2	362	1,626	4.49	1.08
0074RO0421	1	13	58	4.47	0.07
0069RO5160	15	852	3,801	4.46	0.32
0035RO0343	1	264	1,166	4.42	0.52
0101RO2551	2	756	3,305	4.37	0.82
0042RO0328	2	8	34	4.19	0.03
0038RO0367	1	39	163	4.17	0.15
0063RO0276	3	67	279	4.16	0.31
0065RO0410	2	9	37	4.16	0.08
0072RO0439	1	5	20	4.07	1.25
0017RO2516	2	209	841	4.03	0.56
0056RO5179	13	800	3,158	3.95	1.20
0101RO2549	2	119	470	3.95	0.31
0118RO2129	1	1	4	3.88	0.02
0076RO2103	1	20	74	3.70	2.00
0104RO5157	15	3,224	11,421	3.54	1.19
0071RO5110	11	1,624	5,654	3.48	0.73
0109RO5196	5	100	348	3.48	0.11
0037RO0358	2	1,181	4,072	3.45	1.09

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0075RO0423	2	18	62	3.43	0.03
0014RO0437	3	195	661	3.39	0.14
0091RO2152	4	55	186	3.39	0.17
0085RO2229	1	3	10	3.37	0.01
0048RO2501	1	63	210	3.32	0.11
0230RO5162	17	2,350	7,477	3.18	1.44
0067RO2545	1	2	6	3.17	0.17
0050RO0264	2	266	827	3.11	0.69
0420RO2184	4	283	879	3.11	0.48
0103RO2234	2	46	142	3.08	0.26
0082RO5234	2	288	880	3.06	1.14
0065RO0412	7	103	315	3.05	0.14
0037RO0365	4	47	142	3.01	0.10
0048RO0457	5	144	434	3.01	0.30
0041RO0430	3	146	439	3.00	0.28
0084RO2126	2	918	2,752	3.00	1.57
0096RO2188	9	250	744	2.97	0.42
0126RO5225	6	2,031	5,999	2.95	1.14
0068RO0490	1	32	93	2.92	0.08
0112RO2521	2	92	268	2.92	0.15
0049RO0270	12	1,003	2,898	2.89	0.72
0041RO0473	5	647	1,863	2.88	1.16
0089RO2123	1	1	3	2.88	0.02
0421RO5126	11	451	1,289	2.86	0.32
0040RO2223	2	1,669	4,755	2.85	1.55
0070RO5236	19	2,164	6,151	2.84	1.20
0111RO5297	8	1,862	5,267	2.83	3.15
0085RO2228	5	111	310	2.80	0.13
0090RO2138	10	1,367	3,782	2.77	1.40
0036RO0483	3	17	46	2.71	0.04
0093RO2531	2	551	1,479	2.68	1.48
0066RO0487	1	38	101	2.67	0.11
0102RO2538	1	40	107	2.67	0.08
0097RO2192	9	137	360	2.63	0.14
0055RO5240	18	1,605	4,199	2.62	0.69
0085RO2111	9	602	1,572	2.61	1.17
0053RO0402	9	619	1,595	2.58	1.42
0037RO0359	2	6	16	2.53	0.02
0124RO5127	21	594	1,506	2.53	0.32
0041RO0432	5	1,802	4,541	2.52	2.06
0090RO2139	1	465	1,167	2.51	1.51
0049RO0466	3	181	444	2.45	0.14
0136RO5295	6	3,611	8,824	2.44	2.33
0016RO0482	6	1,413	3,430	2.43	1.09
0017RO0492	5	238	579	2.43	0.21

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0049RO0442	1	45	109	2.43	0.06
0126RO5226	1	62	151	2.43	1.11
0043RO2105	4	122	294	2.41	0.12
0043RO0470	4	62	149	2.40	0.04
0069RO5158	7	351	838	2.39	0.26
0068RO2157	2	23	55	2.38	0.04
0006RO0384	4	1,213	2,858	2.36	2.72
0072RO0438	6	288	678	2.35	0.26
0095RO0346	2	75	176	2.35	0.11
0126RO5224	8	1,568	3,679	2.35	1.13
0001RO0374	2	357	834	2.34	1.24
0070RO5237	10	3,476	8,149	2.34	2.13
0082RO5169	7	303	709	2.34	0.22
0046RO0261	6	167	389	2.33	0.18
0001RO2143	1	36	83	2.32	0.16
0109RO5137	9	2,248	5,201	2.31	1.04
0103RO2211	2	97	223	2.30	0.14
0419RO5120	18	2,226	5,125	2.30	1.04
0042RO2194	5	144	328	2.28	0.20
0042RO0280	4	123	277	2.26	0.11
0115RO5257	28	2,421	5,438	2.25	3.03
0065RO0411	2	129	289	2.24	0.23
0090RO2137	6	826	1,851	2.24	1.58
0016RO2210	1	23	51	2.22	0.03
0075RO0424	4	27	59	2.22	0.08
0132LS5241	1	19	42	2.22	0.02
0073RO0414	3	221	489	2.21	1.62
0420RO2183	4	283	625	2.21	1.17
0035RO0324	4	158	346	2.20	0.27
0029RO0453	2	55	120	2.19	0.07
0006RO0306	1	7	15	2.18	1.17
0097RO2193	6	271	589	2.18	0.39
0421RO5123	7	201	436	2.17	0.12
0418RO5201	8	1,318	2,813	2.13	1.12
0050RO0284	1	165	349	2.12	0.22
0039RO0266	9	631	1,331	2.11	0.46
0420RO2181	7	149	316	2.11	0.36
0050RO0263	1	19	40	2.08	0.02
0113RO5101	12	764	1,578	2.07	0.84
0117RO2130	10	2,851	5,896	2.07	4.49
0058RO0459	7	108	223	2.06	0.17
0081RO2164	1	46	94	2.05	0.09
0230RO5161	6	875	1,779	2.03	1.03
0016RO0475	2	167	337	2.02	0.21
0062RO0381	5	462	929	2.01	0.78

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0102RO2540	2	57	115	2.01	0.06
0093RO5255	22	532	1,064	2.00	0.35
0420RO2183	1	1	2	2.00	0.00
0038RO0308	1	46	90	1.98	0.10
0053RO0267	12	591	1,173	1.98	1.18
0419RO5155	21	872	1,728	1.98	0.44
0419RO5164	12	891	1,754	1.97	0.64
0017RO2517	6	239	468	1.96	0.24
0001RO0337	1	4	8	1.95	0.04
0110RO2170	0	2	3	1.95	2.00
0110RO2169	4	1,967	3,817	1.94	2.18
0106RO5165	8	1,332	2,573	1.93	2.84
0043RO0464	5	62	119	1.92	0.09
0046RO2508	4	96	184	1.91	0.09
0070RO5131	7	1,109	2,117	1.91	0.56
0110RO2168	3	674	1,285	1.91	2.01
0093RO2530	6	761	1,448	1.90	1.28
0106RO5166	20	4,234	8,024	1.90	2.26
0055RO5212	2	806	1,527	1.89	1.05
0056RO5180	20	402	759	1.89	0.17
0046RO0297	2	614	1,156	1.88	0.50
0042RO2197	8	234	439	1.87	0.23
0067RO5175	10	198	367	1.86	0.25
0082RO5232	8	1,297	2,397	1.85	2.76
0104RO5288	16	182	335	1.85	0.15
0115RO5258	22	4,322	8,003	1.85	4.17
0014RO0435	4	60	111	1.84	0.06
0097RO2190	1	1	2	1.83	0.00
0096RO2189	4	99	179	1.81	0.16
0113RO5228	17	1,516	2,713	1.79	0.91
0037RO0294	7	148	266	1.78	0.22
0072RO0440	5	489	870	1.78	0.38
0089RO5220	10	410	731	1.78	0.40
0106RO5167	15	2,541	4,509	1.77	1.79
0113RO5102	16	252	446	1.77	0.15
0041RO0474	3	705	1,240	1.76	1.32
0073RO0418	4	402	706	1.76	1.73
0035RO0338	2	147	255	1.74	0.43
0033RO0362	7	794	1,363	1.72	1.06
0040RO0376	1	42	72	1.72	0.30
0132LS5293	3	331	570	1.72	0.58
0419RO5119	5	113	196	1.72	0.17
0036RO2533	8	248	416	1.68	0.22
0040RO0428	23	1,869	3,116	1.67	1.99
0076RO2127	4	261	437	1.67	1.37

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0036RO0404	2	305	505	1.66	0.30
0040RO0386	2	589	980	1.66	1.02
0042RO2196	4	234	389	1.66	0.57
0001RO0385	2	24	40	1.65	0.04
0082RO5170	10	477	783	1.64	1.70
0091RO2149	1	5	8	1.63	0.06
0114RO2520	9	207	335	1.62	0.34
0117RO5188	8	1,666	2,694	1.62	2.25
0120RO5211	21	1,145	1,849	1.62	1.58
0039RO0292	4	165	267	1.61	0.16
0016RO0476	5	44	70	1.60	0.04
0045RO2172	7	1,106	1,746	1.58	0.97
0018RO0486	5	127	199	1.57	0.17
0043RO2104	6	280	438	1.56	0.27
0049RO0493	3	94	146	1.56	0.15
0112RO2534	3	82	127	1.56	0.11
0112RO2535	1	131	203	1.55	0.17
0136RO5294	26	3,542	5,499	1.55	3.34
0124RO5247	1	1	2	1.55	0.00
0071RO5109	6	303	462	1.52	0.34
0097RO2191	1	11	17	1.52	0.02
0033RO0378	3	1,213	1,832	1.51	2.17
0109RO5195	23	2,154	3,244	1.51	0.92
0006RO0322	1	9	14	1.50	1.00
0091RO2147	8	320	481	1.50	0.81
0046RO0262	1	1	2	1.50	0.00
0016RO0498	1	4	6	1.48	0.01
0086RO2511	2	23	34	1.48	0.09
0039RO0293	5	112	164	1.47	0.11
0081RO2165	4	86	127	1.47	0.14
0103RO2213	3	56	82	1.47	0.12
0029RO0455	3	8	12	1.45	0.02
0083RO2238	1	1	1	1.45	0.00
0043RO0462	3	114	164	1.44	0.12
0071RO5130	5	494	712	1.44	0.43
0089RO5218	12	188	271	1.44	0.13
0037RO0365	2	2	3	1.44	0.00
0051RO0445	10	1,606	2,289	1.43	1.57
0086RO2524	2	2	2	1.41	0.06
0001RO0304	3	75	104	1.39	0.10
0418RO5199	9	231	320	1.39	0.14
0065RO2529	1	1	1	1.38	0.00
0082RO5168	2	60	83	1.38	0.45
0036RO0354	1	1	1	1.38	0.00
0067RO5176	10	415	571	1.37	0.20

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0104RO5156	18	2,420	3,326	1.37	1.05
0124RO5128	10	1,093	1,484	1.36	1.06
0029RO0452	1	22	30	1.35	0.06
0016RO0499	2	211	283	1.34	0.35
0095RO0366	3	51	68	1.34	0.19
0418RO5270	16	938	1,254	1.34	0.37
0095RO0399	3	164	217	1.32	0.68
0117RO5187	12	1,843	2,438	1.32	1.14
0076RO2102	4	724	925	1.28	1.29
0109RO5135	5	357	458	1.28	0.56
0048RO2501	2	2	3	1.27	0.00
0060RO0494	1	1	1	1.27	0.00
0035RO0329	2	18	23	1.26	0.03
0065RO2528	2	45	57	1.26	0.10
0096RO2186	3	40	51	1.26	0.09
0093RO5254	6	1,169	1,455	1.24	0.71
0117RO2156	2	633	787	1.24	1.05
0029RO0450	1	5	6	1.23	0.02
0071RO5129	23	1,241	1,528	1.23	0.44
0089RO5219	3	223	274	1.23	1.02
0048RO2502	1	1	1	1.22	0.00
0076RO2119	2	429	517	1.21	1.08
0069RO5159	6	260	312	1.20	0.14
0070RO5132	5	1,753	2,109	1.20	1.17
0117RO5186	0	25	30	1.20	1.00
0001RO0373	2	22	26	1.19	0.04
0041RO0465	4	53	63	1.19	0.17
0068RO0417	6	149	176	1.19	0.22
0076RO2101	2	306	363	1.19	1.02
0076RO2118	1	70	83	1.19	1.01
0014RO2114	4	1,324	1,546	1.17	1.96
0049RO0408	7	470	553	1.17	0.54
0088RO2220	6	1,397	1,630	1.17	1.57
0103RO2232	3	77	90	1.17	0.11
0112RO2522	1	42	49	1.17	0.11
0047RO0265	4	128	149	1.16	0.10
0063RO0356	1	18	20	1.12	0.06
0088RO2221	5	771	864	1.12	1.04
0095RO0316	10	807	900	1.12	0.50
0120RO0406	1	2	2	1.12	1.00
0418RO5108	6	157	174	1.11	0.08
0053RO0268	8	1,048	1,158	1.10	2.17
0074RO0420	8	801	877	1.09	1.97
0046RO2548	5	142	153	1.08	0.11
0068RO0491	2	444	477	1.07	1.08

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0072RO2505	6	112	120	1.07	0.15
0088RO2219	3	752	807	1.07	1.21
0091RO2151	1	13	14	1.07	0.03
0124RO5247	1	45	48	1.07	0.13
0136RO5296	17	3,585	3,789	1.06	2.17
0073RO0419	3	642	676	1.05	1.51
0089RO2121	7	446	468	1.05	0.62
0084RO2125	1	354	368	1.04	1.25
0022RO0426	12	2,072	2,137	1.03	1.29
0092RO2166	3	663	685	1.03	1.05
0092RO2175	0	8	8	1.03	1.00
0418RO5198	18	985	1,012	1.03	0.42
0014RO0436	4	59	59	1.01	0.19
0001RO0288	2	51	50	0.98	0.15
0070RO5193	12	2,611	2,567	0.98	1.52
0042RO0477	7	174	168	0.97	0.21
0042RO0478	1	26	25	0.97	0.09
0064RO0480	7	305	297	0.97	0.50
0037RO0273	1	1	1	0.95	0.05
0035RO0335	2	72	68	0.94	0.30
0017RO0360	2	58	54	0.93	0.10
0114RO2519	7	463	423	0.91	0.61
0056RO5178	14	3,095	2,772	0.90	2.12
0096RO2187	6	273	245	0.90	0.20
0100RO2205	1	1	1	0.90	0.02
0043RO0444	2	53	47	0.89	0.04
0001RO2144	3	52	46	0.87	0.05
0042RO0299	2	20	18	0.87	0.04
0092RO2167	5	1,978	1,727	0.87	2.17
0018RO0484	3	133	114	0.85	0.18
0062RO0469	3	577	493	0.85	1.47
0124RO5173	8	2,330	1,924	0.83	1.07
0102RO2537	4	710	580	0.82	0.61
0047RO0290	3	88	71	0.81	0.15
0091RO2150	2	84	68	0.81	0.22
0117RO2131	5	1,040	839	0.81	2.17
0040RO0429	4	1,017	813	0.80	1.20
0230RO5163	26	2,271	1,785	0.79	0.96
0112RO2536	9	341	263	0.77	0.35
0095RO0321	4	86	65	0.75	0.19
0089RO2215	1	1	1	0.75	0.00
0046RO2507	7	607	451	0.74	0.48
0086RO2525	1	3	2	0.73	0.01
0014RO0437	1	3	2	0.73	0.00
0040RO2135	2	78	55	0.72	1.01

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending CAIDI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0063RO2543	3	60	44	0.72	0.12
0083RO2239	3	47	33	0.69	0.06
0103RO2233	3	124	85	0.69	0.17
0022RO0425	8	2,034	1,376	0.68	1.43
0018RO0486	1	2	1	0.67	0.00
0018RO0446	2	15	9	0.65	0.09
0045RO2173	4	471	305	0.65	1.22
0081RO2159	2	89	57	0.64	0.13
0041RO0431	4	1,751	1,104	0.63	2.08
0083RO2178	3	9	5	0.61	0.02
0019RO2174	1	13	8	0.58	0.03
0055RO5239	14	1,956	1,141	0.58	1.04
0037RO0357	2	7	3	0.57	0.10
0063RO2542	2	14	8	0.56	0.07
0118RO2128	2	101	55	0.54	0.12
0070RO5235	1	4	2	0.53	0.00
0081RO2227	3	105	55	0.53	0.69
0112RO2523	3	51	27	0.53	0.08
0089RO2215	1	4	2	0.50	0.01
0095RO0326	1	23	12	0.50	0.07
0062RO0383	1	3	2	0.50	0.00
0084RO2124	6	267	131	0.49	1.17
0081RO2225	0	1	0	0.48	0.00
0015RO2117	4	68	30	0.45	0.05
0074RO0422	2	1,353	570	0.42	1.73
0045RO2171	2	617	241	0.39	1.02
0022RO2547	2	181	69	0.38	1.12
0075RO2199	7	627	236	0.38	1.11
0081RO2224	2	16	6	0.38	0.03
0103RO2212	1	18	7	0.36	0.03
0022RO0427	2	77	25	0.33	1.05
0037RO0372	1	1	0	0.33	0.00
0083RO2179	1	92	29	0.32	0.52
0081RO2158	2	19	6	0.31	1.90
0033RO0291	7	1,652	466	0.28	1.12
0051RO0460	7	1,027	272	0.26	1.14
0060RO0433	2	230	54	0.24	1.22
0085RO2109	1	136	30	0.22	1.00
0049RO0271	1	56	9	0.17	0.05
0062RO0467	1	2	0	0.17	0.01
0064RO0481	1	7	1	0.17	0.02
0218LS5252	1	2	0	0.17	0.01
0015RO2115	1	1	0	0.17	0.00
0042RO2195	1	104	12	0.12	0.55
0060RO0494	2	314	39	0.12	1.40

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

CANANDAIGUA					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0143CF5145	24	2,154	2,291	1.06	3.00
0127CF5230	20	4,514	5,341	1.18	2.86
0146CF5141	63	2,427	2,878	1.19	2.45
0127CF5229	8	878	1,179	1.34	2.43
0143CF5146	42	2,438	2,437	1.00	2.42
0154CF0391	7	1,551	1,285	0.83	2.29
0154CF5260	9	907	2,377	2.62	2.21
0156CF0255	10	942	1,548	1.64	2.21
0156CF0257	6	1,150	2,296	2.00	2.13
0145CF5143	44	1,942	4,645	2.39	2.04
0168CF5189	36	2,678	3,890	1.45	1.79
0127CF5231	11	2,268	3,276	1.44	1.64
0142CF5148	15	1,181	1,583	1.34	1.60
0125CF5182	8	1,282	2,518	1.96	1.58
0149CF2905	4	386	449	1.16	1.12
0146CF5139	30	741	1,555	2.10	1.10
0142CF5192	12	1,156	1,925	1.67	1.08
0149CF0249	8	785	898	1.14	1.04
0154CF0392	1	95	22	0.23	1.01
0154CF2906	0	1	0	0.23	1.00
0428CF5172	15	1,031	3,200	3.10	0.98
0145CF5144	31	853	1,756	2.06	0.85
0125CF5250	5	291	1,743	5.99	0.72
0142CF5191	8	352	650	1.85	0.61
0168CF5190	27	1,389	5,710	4.11	0.52
0125CF5208	24	294	724	2.46	0.52
0144CF2913	7	477	725	1.52	0.52
0154CF5261	13	193	281	1.45	0.32
0144CF2914	1	9	10	1.08	0.20
0142CF5149	7	63	61	0.98	0.12
0153CF0252	2	35	98	2.78	0.07
0148CF2902	3	50	43	0.85	0.07
0153CF0251	1	5	12	2.48	0.06
0428CF5138	8	35	54	1.56	0.03
0155CF0259	1	21	31	1.48	0.03
0144CF2912	1	1	0	0.42	0.03
0064RO0480	1	13	34	2.65	0.02
0148CF2901	1	1	5	4.88	0.00
0171GV1237	1	1	1	1.38	0.00
0153CF0250	2	2	1	0.93	0.00
0115RO5257	1	2	2	0.79	0.00

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

GENESEE					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0169GV1213	6	1,259	2,206	1.75	4.79
8332GV7703	32	3,212	3,977	1.24	3.94
0173GV1250	5	473	483	1.02	3.01
8345GV7711	14	1,296	2,353	1.82	2.99
8376GV7706	28	2,821	6,550	2.32	2.96
8327GV7701	24	1,662	3,238	1.95	2.64
0184GV1203	7	330	391	1.19	2.56
0184GV1202	9	320	260	0.81	2.48
8301GV7704	11	1,668	1,574	0.94	2.14
8373GV7705	19	3,001	3,355	1.12	2.08
0246GV1207	2	1,503	917	0.61	2.02
0169GV1214	3	751	599	0.80	1.60
8377GV7708	13	1,049	648	0.62	1.42
0247GV1204	6	1,163	1,161	1.00	1.40
0173GV1249	9	530	327	0.61	1.39
0173GV1223	3	281	80	0.28	1.28
0174GV1245	8	472	159	0.34	1.19
0173GV1248	1	278	125	0.45	1.18
8379GV7709	15	691	1,344	1.94	1.14
0174GV1224	6	379	55	0.14	1.07
0174GV1212	1	23	4	0.18	1.05
0246GV1206	2	490	79	0.16	1.01
0175GV1244	6	426	943	2.21	1.00
8375GV7707	24	519	870	1.68	0.95
8333GV7702	24	812	2,007	2.47	0.77
0179GV1218	1	6	5	0.77	0.40
0171GV1237	10	135	278	2.06	0.31
0179GV1230	1	29	43	1.47	0.29
0179GV1221	3	84	190	2.26	0.28
0163GV1241	3	56	95	1.70	0.23
0176GV1247	4	27	50	1.83	0.20
0167GV1208	1	2	0	0.12	0.20
0175GV1243	9	72	95	1.34	0.17
0176GV1246	5	35	106	3.03	0.16
0167GV1209	1	25	13	0.53	0.07
0163GV1216	2	26	50	1.92	0.06
8303GV7710	3	4	6	1.51	0.04
0171GV1220	2	19	25	1.31	0.04
0142CF5192	1	14	53	3.82	0.01

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

LAKESHORE					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0194LS5117	20	1,960	2,628	1.34	3.08
0217LS5238	11	2,039	2,465	1.21	2.63
0198LS5115	15	886	1,547	1.75	2.16
0208LS0242	1	504	640	1.27	2.15
0214LS2146	3	770	1,013	1.32	2.02
0189LS5140	13	571	1,166	2.04	1.96
0202LS5194	21	3,074	6,594	2.15	1.64
0218LS5252	12	299	996	3.33	1.46
0189LS5113	23	1,425	4,141	2.91	1.39
0198LS5114	19	981	2,294	2.34	1.28
0217LS5154	13	1,178	2,085	1.77	1.21
0207LS0206	4	348	708	2.04	1.18
0195LS5151	22	767	1,198	1.57	1.03
0214LS0222	1	173	381	2.20	1.02
0208LS0243	1	406	203	0.50	1.02
0194LS5116	20	1,229	1,792	1.46	0.98
0195LS5153	13	839	863	1.03	0.94
0193LS0226	9	556	897	1.62	0.89
0218LS5253	15	501	1,356	2.71	0.88
0212LS0245	3	147	233	1.59	0.71
0198LS5227	12	485	573	1.18	0.59
0209LS0240	2	259	408	1.58	0.57
0230RO5162	5	903	376	0.42	0.55
0189LS5112	14	227	742	3.27	0.46
0192LS0232	1	37	77	2.08	0.45
0192LS0215	2	67	133	1.99	0.45
0132LS5241	9	412	642	1.56	0.41
0194LS5142	12	174	594	3.42	0.34
0210LS0208	8	151	146	0.96	0.30
0215LS2154	4	73	199	2.72	0.26
0194LS5118	9	153	695	4.54	0.24
0210LS0229	2	16	7	0.49	0.23
0181LS0217	7	110	153	1.39	0.20
0214LS0211	2	58	127	2.19	0.19
0205LS5202	11	229	580	2.53	0.12
0193LS0227	2	25	57	2.26	0.06
0215LS2155	2	9	23	2.58	0.05
0205LS0237	2	18	36	1.96	0.03
0132LS5293	5	19	17	0.91	0.03
0428CF5138	1	7	14	1.97	0.01
0210LS0225	3	8	15	1.93	0.01
0192LS0216	2	4	5	1.31	0.01
0230RO5161	1	1	2	2.28	0.00
0120RO5211	1	3	4	1.20	0.00
0210LS0207	1	1	1	0.98	0.00

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0117RO2130	10	2,851	5,896	2.07	4.49
0115RO5258	22	4,322	8,003	1.85	4.17
0136RO5294	26	3,542	5,499	1.55	3.34
0111RO5297	8	1,862	5,267	2.83	3.15
0115RO5257	28	2,421	5,438	2.25	3.03
0106RO5165	8	1,332	2,573	1.93	2.84
0111RO5298	11	1,571	7,378	4.70	2.82
0082RO5232	8	1,297	2,397	1.85	2.76
0006RO0384	4	1,213	2,858	2.36	2.72
0136RO5295	6	3,611	8,824	2.44	2.33
0106RO5166	20	4,234	8,024	1.90	2.26
0117RO5188	8	1,666	2,694	1.62	2.25
0110RO2169	4	1,967	3,817	1.94	2.18
0033RO0378	3	1,213	1,832	1.51	2.17
0053RO0268	8	1,048	1,158	1.10	2.17
0136RO5296	17	3,585	3,789	1.06	2.17
0092RO2167	5	1,978	1,727	0.87	2.17
0117RO2131	5	1,040	839	0.81	2.17
0070RO5237	10	3,476	8,149	2.34	2.13
0056RO5178	14	3,095	2,772	0.90	2.12
0041RO0431	4	1,751	1,104	0.63	2.08
0041RO0432	5	1,802	4,541	2.52	2.06
0110RO2168	3	674	1,285	1.91	2.01
0076RO2103	1	20	74	3.70	2.00
0110RO2170	0	2	3	1.95	2.00
0040RO0428	23	1,869	3,116	1.67	1.99
0074RO0420	8	801	877	1.09	1.97
0014RO2114	4	1,324	1,546	1.17	1.96
0081RO2158	2	19	6	0.31	1.90
0106RO5167	15	2,541	4,509	1.77	1.79
0073RO0418	4	402	706	1.76	1.73
0074RO0422	2	1,353	570	0.42	1.73
0082RO5170	10	477	783	1.64	1.70
0073RO0414	3	221	489	2.21	1.62
0090RO2137	6	826	1,851	2.24	1.58
0120RO5211	21	1,145	1,849	1.62	1.58
0084RO2126	2	918	2,752	3.00	1.57
0051RO0445	10	1,606	2,289	1.43	1.57
0088RO2220	6	1,397	1,630	1.17	1.57
0040RO2223	2	1,669	4,755	2.85	1.55
0070RO5193	12	2,611	2,567	0.98	1.52
0090RO2139	1	465	1,167	2.51	1.51
0073RO0419	3	642	676	1.05	1.51
0093RO2531	2	551	1,479	2.68	1.48
0062RO0469	3	577	493	0.85	1.47

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0230RO5162	17	2,350	7,477	3.18	1.44
0022RO0425	8	2,034	1,376	0.68	1.43
0053RO0402	9	619	1,595	2.58	1.42
0090RO2138	10	1,367	3,782	2.77	1.40
0060RO0494	2	314	39	0.12	1.40
0076RO2127	4	261	437	1.67	1.37
0041RO0474	3	705	1,240	1.76	1.32
0076RO2102	4	724	925	1.28	1.29
0022RO0426	12	2,072	2,137	1.03	1.29
0093RO2530	6	761	1,448	1.90	1.28
0072RO0439	1	5	20	4.07	1.25
0084RO2125	1	354	368	1.04	1.25
0001RO0374	2	357	834	2.34	1.24
0045RO2173	4	471	305	0.65	1.22
0060RO0433	2	230	54	0.24	1.22
0088RO2219	3	752	807	1.07	1.21
0056RO5179	13	800	3,158	3.95	1.20
0070RO5236	19	2,164	6,151	2.84	1.20
0040RO0429	4	1,017	813	0.80	1.20
0104RO5157	15	3,224	11,421	3.54	1.19
0053RO0267	12	591	1,173	1.98	1.18
0085RO2111	9	602	1,572	2.61	1.17
0420RO2183	4	283	625	2.21	1.17
0006RO0306	1	7	15	2.18	1.17
0070RO5132	5	1,753	2,109	1.20	1.17
0084RO2124	6	267	131	0.49	1.17
0041RO0473	5	647	1,863	2.88	1.16
0111RO5299	2	335	1,678	5.01	1.14
0082RO5234	2	288	880	3.06	1.14
0126RO5225	6	2,031	5,999	2.95	1.14
0117RO5187	12	1,843	2,438	1.32	1.14
0051RO0460	7	1,027	272	0.26	1.14
0126RO5224	8	1,568	3,679	2.35	1.13
0418RO5201	8	1,318	2,813	2.13	1.12
0022RO2547	2	181	69	0.38	1.12
0033RO0291	7	1,652	466	0.28	1.12
0126RO5226	1	62	151	2.43	1.11
0075RO2199	7	627	236	0.38	1.11
0029RO2560	6	949	4,269	4.50	1.09
0037RO0358	2	1,181	4,072	3.45	1.09
0016RO0482	6	1,413	3,430	2.43	1.09
0017RO0471	2	362	1,626	4.49	1.08
0076RO2119	2	429	517	1.21	1.08
0068RO0491	2	444	477	1.07	1.08
0124RO5173	8	2,330	1,924	0.83	1.07

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0033RO0362	7	794	1,363	1.72	1.06
0124RO5128	10	1,093	1,484	1.36	1.06
0055RO5212	2	806	1,527	1.89	1.05
0104RO5156	18	2,420	3,326	1.37	1.05
0117RO2156	2	633	787	1.24	1.05
0092RO2166	3	663	685	1.03	1.05
0022RO0427	2	77	25	0.33	1.05
0109RO5137	9	2,248	5,201	2.31	1.04
0419RO5120	18	2,226	5,125	2.30	1.04
0088RO2221	5	771	864	1.12	1.04
0055RO5239	14	1,956	1,141	0.58	1.04
0230RO5161	6	875	1,779	2.03	1.03
0040RO0386	2	589	980	1.66	1.02
0089RO5219	3	223	274	1.23	1.02
0076RO2101	2	306	363	1.19	1.02
0045RO2171	2	617	241	0.39	1.02
0076RO2118	1	70	83	1.19	1.01
0040RO2135	2	78	55	0.72	1.01
0006RO0322	1	9	14	1.50	1.00
0117RO5186	0	25	30	1.20	1.00
0120RO0406	1	2	2	1.12	1.00
0092RO2175	0	8	8	1.03	1.00
0085RO2109	1	136	30	0.22	1.00
0045RO2172	7	1,106	1,746	1.58	0.97
0230RO5163	26	2,271	1,785	0.79	0.96
0109RO5195	23	2,154	3,244	1.51	0.92
0113RO5228	17	1,516	2,713	1.79	0.91
0113RO5101	12	764	1,578	2.07	0.84
0101RO2551	2	756	3,305	4.37	0.82
0091RO2147	8	320	481	1.50	0.81
0062RO0381	5	462	929	2.01	0.78
0071RO5110	11	1,624	5,654	3.48	0.73
0049RO0270	12	1,003	2,898	2.89	0.72
0093RO5254	6	1,169	1,455	1.24	0.71
0050RO0264	2	266	827	3.11	0.69
0055RO5240	18	1,605	4,199	2.62	0.69
0081RO2227	3	105	55	0.53	0.69
0095RO0399	3	164	217	1.32	0.68
0419RO5164	12	891	1,754	1.97	0.64
0089RO2121	7	446	468	1.05	0.62
0114RO2519	7	463	423	0.91	0.61
0102RO2537	4	710	580	0.82	0.61
0132LS5293	3	331	570	1.72	0.58
0042RO2196	4	234	389	1.66	0.57
0017RO2516	2	209	841	4.03	0.56

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0070RO5131	7	1,109	2,117	1.91	0.56
0109RO5135	5	357	458	1.28	0.56
0042RO2195	1	104	12	0.12	0.55
0049RO0408	7	470	553	1.17	0.54
0035RO0343	1	264	1,166	4.42	0.52
0083RO2179	1	92	29	0.32	0.52
0046RO0297	2	614	1,156	1.88	0.50
0095RO0316	10	807	900	1.12	0.50
0064RO0480	7	305	297	0.97	0.50
0420RO2184	4	283	879	3.11	0.48
0046RO2507	7	607	451	0.74	0.48
0039RO0266	9	631	1,331	2.11	0.46
0082RO5168	2	60	83	1.38	0.45
0419RO5155	21	872	1,728	1.98	0.44
0071RO5129	23	1,241	1,528	1.23	0.44
0035RO0338	2	147	255	1.74	0.43
0071RO5130	5	494	712	1.44	0.43
0096RO2188	9	250	744	2.97	0.42
0418RO5198	18	985	1,012	1.03	0.42
0089RO5220	10	410	731	1.78	0.40
0097RO2193	6	271	589	2.18	0.39
0072RO0440	5	489	870	1.78	0.38
0418RO5270	16	938	1,254	1.34	0.37
0420RO2181	7	149	316	2.11	0.36
0093RO5255	22	532	1,064	2.00	0.35
0016RO0499	2	211	283	1.34	0.35
0112RO2536	9	341	263	0.77	0.35
0114RO2520	9	207	335	1.62	0.34
0071RO5109	6	303	462	1.52	0.34
0069RO5160	15	852	3,801	4.46	0.32
0421RO5126	11	451	1,289	2.86	0.32
0124RO5127	21	594	1,506	2.53	0.32
0063RO0276	3	67	279	4.16	0.31
0101RO2549	2	119	470	3.95	0.31
0015RO2115	2	98	716	7.31	0.30
0048RO0457	5	144	434	3.01	0.30
0040RO0376	1	42	72	1.72	0.30
0036RO0404	2	305	505	1.66	0.30
0035RO0335	2	72	68	0.94	0.30
0041RO0430	3	146	439	3.00	0.28
0035RO0324	4	158	346	2.20	0.27
0043RO2104	6	280	438	1.56	0.27
0103RO2234	2	46	142	3.08	0.26
0069RO5158	7	351	838	2.39	0.26
0072RO0438	6	288	678	2.35	0.26

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0029RO0451	3	329	1,560	4.74	0.25
0067RO5175	10	198	367	1.86	0.25
0017RO2517	6	239	468	1.96	0.24
0065RO0411	2	129	289	2.24	0.23
0042RO2197	8	234	439	1.87	0.23
0082RO5169	7	303	709	2.34	0.22
0050RO0284	1	165	349	2.12	0.22
0037RO0294	7	148	266	1.78	0.22
0036RO2533	8	248	416	1.68	0.22
0068RO0417	6	149	176	1.19	0.22
0091RO2150	2	84	68	0.81	0.22
0001RO0305	2	99	671	6.79	0.21
0066RO2185	3	59	327	5.53	0.21
0017RO0492	5	238	579	2.43	0.21
0016RO0475	2	167	337	2.02	0.21
0042RO0477	7	174	168	0.97	0.21
0042RO2194	5	144	328	2.28	0.20
0067RO5176	10	415	571	1.37	0.20
0096RO2187	6	273	245	0.90	0.20
0095RO0366	3	51	68	1.34	0.19
0014RO0436	4	59	59	1.01	0.19
0095RO0321	4	86	65	0.75	0.19
0048RO0456	3	124	792	6.39	0.18
0046RO0261	6	167	389	2.33	0.18
0018RO0484	3	133	114	0.85	0.18
0050RO0282	3	169	791	4.68	0.17
0091RO2152	4	55	186	3.39	0.17
0067RO2545	1	2	6	3.17	0.17
0058RO0459	7	108	223	2.06	0.17
0056RO5180	20	402	759	1.89	0.17
0419RO5119	5	113	196	1.72	0.17
0018RO0486	5	127	199	1.57	0.17
0112RO2535	1	131	203	1.55	0.17
0041RO0465	4	53	63	1.19	0.17
0103RO2233	3	124	85	0.69	0.17
0029RO2559	3	115	637	5.54	0.16
0062RO0468	3	139	651	4.69	0.16
0001RO2143	1	36	83	2.32	0.16
0096RO2189	4	99	179	1.81	0.16
0039RO0292	4	165	267	1.61	0.16
0038RO0367	1	39	163	4.17	0.15
0112RO2521	2	92	268	2.92	0.15
0104RO5288	16	182	335	1.85	0.15
0113RO5102	16	252	446	1.77	0.15
0049RO0493	3	94	146	1.56	0.15

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0072RO2505	6	112	120	1.07	0.15
0001RO0288	2	51	50	0.98	0.15
0047RO0290	3	88	71	0.81	0.15
0014RO0437	3	195	661	3.39	0.14
0065RO0412	7	103	315	3.05	0.14
0097RO2192	9	137	360	2.63	0.14
0049RO0466	3	181	444	2.45	0.14
0103RO2211	2	97	223	2.30	0.14
0081RO2165	4	86	127	1.47	0.14
0418RO5199	9	231	320	1.39	0.14
0069RO5159	6	260	312	1.20	0.14
0085RO2228	5	111	310	2.80	0.13
0089RO5218	12	188	271	1.44	0.13
0124RO5247	1	45	48	1.07	0.13
0081RO2159	2	89	57	0.64	0.13
0043RO2105	4	122	294	2.41	0.12
0421RO5123	7	201	436	2.17	0.12
0103RO2213	3	56	82	1.47	0.12
0043RO0462	3	114	164	1.44	0.12
0063RO2543	3	60	44	0.72	0.12
0118RO2128	2	101	55	0.54	0.12
0109RO5196	5	100	348	3.48	0.11
0048RO2501	1	63	210	3.32	0.11
0066RO0487	1	38	101	2.67	0.11
0095RO0346	2	75	176	2.35	0.11
0042RO0280	4	123	277	2.26	0.11
0112RO2534	3	82	127	1.56	0.11
0039RO0293	5	112	164	1.47	0.11
0103RO2232	3	77	90	1.17	0.11
0112RO2522	1	42	49	1.17	0.11
0046RO2548	5	142	153	1.08	0.11
0419RO5246	5	119	604	5.08	0.10
0037RO0365	4	47	142	3.01	0.10
0038RO0308	1	46	90	1.98	0.10
0001RO0304	3	75	104	1.39	0.10
0065RO2528	2	45	57	1.26	0.10
0047RO0265	4	128	149	1.16	0.10
0017RO0360	2	58	54	0.93	0.10
0037RO0357	2	7	3	0.57	0.10
0081RO2164	1	46	94	2.05	0.09
0043RO0464	5	62	119	1.92	0.09
0046RO2508	4	96	184	1.91	0.09
0086RO2511	2	23	34	1.48	0.09
0096RO2186	3	40	51	1.26	0.09
0042RO0478	1	26	25	0.97	0.09

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0018RO0446	2	15	9	0.65	0.09
0065RO0410	2	9	37	4.16	0.08
0068RO0490	1	32	93	2.92	0.08
0102RO2538	1	40	107	2.67	0.08
0075RO0424	4	27	59	2.22	0.08
0418RO5108	6	157	174	1.11	0.08
0112RO2523	3	51	27	0.53	0.08
0074RO0421	1	13	58	4.47	0.07
0029RO0453	2	55	120	2.19	0.07
0063RO2542	2	14	8	0.56	0.07
0095RO0326	1	23	12	0.50	0.07
0033RO0363	2	37	390	10.54	0.06
0066RO0488	2	33	239	7.27	0.06
0086RO2510	3	33	238	7.21	0.06
0100RO2203	1	28	140	4.98	0.06
0049RO0442	1	45	109	2.43	0.06
0102RO2540	2	57	115	2.01	0.06
0014RO0435	4	60	111	1.84	0.06
0091RO2149	1	5	8	1.63	0.06
0086RO2524	2	2	2	1.41	0.06
0029RO0452	1	22	30	1.35	0.06
0063RO0356	1	18	20	1.12	0.06
0083RO2239	3	47	33	0.69	0.06
0001RO0339	1	14	71	5.07	0.05
0037RO0273	1	1	1	0.95	0.05
0001RO2144	3	52	46	0.87	0.05
0015RO2117	4	68	30	0.45	0.05
0049RO0271	1	56	9	0.17	0.05
0066RO0489	3	3	17	5.52	0.04
0036RO0483	3	17	46	2.71	0.04
0043RO0470	4	62	149	2.40	0.04
0068RO2157	2	23	55	2.38	0.04
0001RO0337	1	4	8	1.95	0.04
0001RO0385	2	24	40	1.65	0.04
0016RO0476	5	44	70	1.60	0.04
0001RO0373	2	22	26	1.19	0.04
0043RO0444	2	53	47	0.89	0.04
0042RO0299	2	20	18	0.87	0.04
0042RO0328	2	8	34	4.19	0.03
0075RO0423	2	18	62	3.43	0.03
0016RO2210	1	23	51	2.22	0.03
0035RO0329	2	18	23	1.26	0.03
0091RO2151	1	13	14	1.07	0.03
0019RO2174	1	13	8	0.58	0.03
0081RO2224	2	16	6	0.38	0.03

ROCHESTER GAS & ELECTRIC CORPORATION
CAIDI/SAIFI Circuit Report - Descending SAIFI Order
January 1, 2012 to December 31, 2012

ROCHESTER					
Circuit	Interruptions	Customers Affected	Customer Hours Interrupted	CAIDI	SAIFI
0103RO2212	1	18	7	0.36	0.03
0001RO0336	1	27	240	8.90	0.02
0029RO0454	1	14	98	7.00	0.02
0118RO2129	1	1	4	3.88	0.02
0089RO2123	1	1	3	2.88	0.02
0037RO0359	2	6	16	2.53	0.02
0132LS5241	1	19	42	2.22	0.02
0050RO0263	1	19	40	2.08	0.02
0097RO2191	1	11	17	1.52	0.02
0029RO0455	3	8	12	1.45	0.02
0029RO0450	1	5	6	1.23	0.02
0100RO2205	1	1	1	0.90	0.02
0083RO2178	3	9	5	0.61	0.02
0064RO0481	1	7	1	0.17	0.02
0085RO2110	1	1	7	6.85	0.01
0036RO0354	2	8	40	4.99	0.01
0101RO2550	1	8	39	4.93	0.01
0085RO2229	1	3	10	3.37	0.01
0016RO0498	1	4	6	1.48	0.01
0086RO2525	1	3	2	0.73	0.01
0089RO2215	1	4	2	0.50	0.01
0062RO0467	1	2	0	0.17	0.01
0218LS5252	1	2	0	0.17	0.01
0103RO2214	1	1	7	6.63	0.00
0047RO0443	1	1	6	5.90	0.00
0125CF5250	1	2	11	5.73	0.00
0420RO2183	1	1	2	2.00	0.00
0097RO2190	1	1	2	1.83	0.00
0124RO5247	1	1	2	1.55	0.00
0046RO0262	1	1	2	1.50	0.00
0083RO2238	1	1	1	1.45	0.00
0037RO0365	2	2	3	1.44	0.00
0065RO2529	1	1	1	1.38	0.00
0036RO0354	1	1	1	1.38	0.00
0048RO2501	2	2	3	1.27	0.00
0060RO0494	1	1	1	1.27	0.00
0048RO2502	1	1	1	1.22	0.00
0089RO2215	1	1	1	0.75	0.00
0014RO0437	1	3	2	0.73	0.00
0018RO0486	1	2	1	0.67	0.00
0070RO5235	1	4	2	0.53	0.00
0062RO0383	1	3	2	0.50	0.00
0081RO2225	0	1	0	0.48	0.00
0037RO0372	1	1	0	0.33	0.00
0015RO2115	1	1	0	0.17	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 RG&E'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 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 twelve months.
- The number of interruptions, customers interrupted (affected), and the customer hours of interruption are recorded for each RG&E circuit. These values are then used to weight the individual circuit's performance against the overall reliability performance of RG&E.
- This circuit weighting method is performed for both RG&E reliability performance indices, CAIDI and SAIFI. The result being a weighted CAIDI circuit list and a weighted SAIFI circuit list.
- All of the circuits are then sorted highest to lowest based on their individual weighted CAIDI and SAIFI contributions to RG&E's overall reliability performance.
- A cumulative weighted total is maintained and the top 30% of the cumulative total are singled out for reliability reviews by Distribution Planning. The individual RG&E Division worst performing circuits representing 5% of the respective Division's base circuits on both weighted CAIDI and SAIFI lists are then assigned to each Division for the development of Division Reliability Plans.

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)

- RG&E'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 2012 Annual Reliability Report								
Division	Circuit Decription	Customers Connected	Circuit Voltage	Circuit Miles	Weighted CAIDI	CAIDI Rank	Weighted SAIFI	SAIFI Rank
Canandaigua	0127CF5230	1580	12.5	19.40	0.0114	17	0.0177	2
Canandaigua	0168CF5189	1494	12.5	52.55	0.0081	32	0.0105	16
Genesee	8332GV7703	815	12.5	97.26	0.0097	24	0.0142	7
Genesee	8373GV7705	1441	12.5	69.55	0.0077	36	0.0127	10
Lakeshore	0202LS5194	1872	12.5	57.93	0.0129	12	0.0118	13
Lakeshore	0217LS5238	775	12.5	42.69	0.0053	58	0.0084	28
Rochester	0022RO0426	1608	12.5	4.18	0.0047	67	0.0085	26
Rochester	0040RO2223	1078	12.5	5.52	0.0108	19	0.0070	38
Rochester	0041RO0432	876	12.5	3.23	0.0104	21	0.0077	32
Rochester	0070RO5193	1720	12.5	8.24	0.0057	54	0.0109	15
Rochester	0070RO5236	1807	12.5	31.81	0.0139	8	0.0089	22
Rochester	0070RO5237	1632	12.5	21.06	0.0185	2	0.0146	4
Rochester	0071RO5110	2215	12.5	23.71	0.0129	14	0.0070	40
Rochester	0104RO5156	2305	12.5	21.10	0.0079	35	0.0112	14
Rochester	0104RO5157	2714	12.5	28.52	0.0256	1	0.0134	9
Rochester	0106RO5166	1875	12.5	26.04	0.0180	4	0.0171	3
Rochester	0106RO5167	1421	12.5	18.22	0.0092	28	0.0101	18
Rochester	0109RO5137	2156	12.5	7.50	0.0134	10	0.0124	11
Rochester	0109RO5195	2336	12.5	22.92	0.0074	40	0.0091	21
Rochester	0111RO5298	558	12.5	8.68	0.0106	20	0.0043	80
Rochester	0115RO5258	1036	12.5	30.60	0.0124	15	0.0136	8
Rochester	0117RO2130	635	12.5	7.13	0.0115	16	0.0066	44
Rochester	0126RO5225	1781	12.5	15.34	0.0136	9	0.0085	23
Rochester	0136RO5294	1060	12.5	9.77	0.0129	13	0.0145	5
Rochester	0136RO5295	1550	12.5	8.57	0.0184	3	0.0144	6
Rochester	0136RO5296	1654	12.5	12.66	0.0132	11	0.0182	1
Rochester	0230RO5162	1630	12.5	31.14	0.0170	5	0.0099	19
Rochester	0419RO5120	2131	12.5	12.77	0.0109	18	0.0085	24

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

All of the network feeders are located in the City of Rochester.

Station	Circuit	# of Network Protectors
6	654	12

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.

Based on our internal planning area, past history, and maintenance practices, there are no worst-performing underground network feeder circuits.