



# Wellsboro Electric Company

P. O. Box 138 • 33 Austin Street • Wellsboro, PA 16901 • (570) 724-3516 • FAX (570) 724-1798

October 29, 2010

Rosemary Chiavetta  
Pennsylvania Public Utility Commission  
P.O. Box 3265  
Harrisburg, PA. 17105-3265

**RECEIVED**

OCT 29 2010

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Dear Rosemary Chiavetta, Secretary,

*L-00030161*

SUBJECT: 3<sup>rd</sup> Quarter 2010 Reliability Report

Enclosed is the quarterly reliability report to the PUC for the Third Quarter of 2010 for Wellsboro Electric Company.

If we can be of further assistance, or if you have any questions, feel free to contact me at 570-724-3516.

Sincerely,

Robert S. McCarthy  
Vice-President, Engineering and Operations  
Wellsboro Electric Company

# WELLSBORO ELECTRIC COMPANY

## QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

Third Quarter 2010

July-September 2010

SUBMITTED BY

ROBERT S. McCARTHY  
VICE-PRESIDENT, ENGINEERING AND OPERATIONS  
570-724-3516

[bobbym@ctenterprises.org](mailto:bobbym@ctenterprises.org)

**RECEIVED**

OCT 29 2010

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Rolling 12-Month reliability index values (SAIFI, CAIDI, SAIDI) for the EDC'S service territory for the receding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customers interruptions, the number of customers affected, and the customer minutes of interruption.

**WELLSBORO ELECTRIC COMPANY****ROLLING TWELVE MONTH INTERRUPTION INDEXES****Third Quarter of 2010**

|                |
|----------------|
| SAIDI<br>80.82 |
|----------------|

|               |
|---------------|
| SAIFI<br>1.11 |
|---------------|

|                |
|----------------|
| CAIDI<br>60.98 |
|----------------|

**ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC**

|              |
|--------------|
| SAIDI<br>278 |
|--------------|

|               |
|---------------|
| SAIFI<br>1.66 |
|---------------|

|              |
|--------------|
| CAIDI<br>167 |
|--------------|

**ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES**

|                |
|----------------|
| SAIDI<br>119.1 |
|----------------|

|               |
|---------------|
| SAIFI<br>1.23 |
|---------------|

|               |
|---------------|
| CAIDI<br>97.7 |
|---------------|

**ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC**

|              |
|--------------|
| SAIDI<br>185 |
|--------------|

|               |
|---------------|
| SAIFI<br>1.35 |
|---------------|

|              |
|--------------|
| CAIDI<br>136 |
|--------------|

57.195 Reporting Requirements

Section (e) Item (2)

Wellsboro Electric Company

Reliability Index

SAIDI

| Month    | Total Customer Minutes | # Customers Served         |      |
|----------|------------------------|----------------------------|------|
| Jan-10   | 1059                   | 6609                       |      |
| Feb-10   | 3422.4                 | 6613                       |      |
| March-10 | 25734.6                | 6622                       |      |
| April-10 | 10505.4                | 6624                       |      |
| May-10   | 37587.6                | 6629                       |      |
| June-10  | 86248.2                | 6635                       |      |
| July-10  | 166026.6               | 6180                       |      |
| Aug-10   | 25104                  | 6167                       |      |
| Sept-10  | 42945                  | 6162                       |      |
| Oct-09   | 109542                 | 6592                       |      |
| Nov-09   | 12652.8                | 6598                       |      |
| Dec-09   | 4695                   | 6602                       |      |
|          | 525522.6               | 78033                      |      |
|          |                        | Average # Customers Served | 6503 |

**ROLLING TWELVE MONTH AVERAGE SAIDI INDEX**

**80.82**

57.195 Reporting Requirements

Section (e) Item (2)

Wellsboro Electric Company

Reliability Index

SAIFI

| Month    | # Customers Interrupted | # Customers Served |
|----------|-------------------------|--------------------|
| Jan-10   | 24                      | 6609               |
| Feb-10   | 43                      | 6613               |
| Mar-10   | 229                     | 6622               |
| April-10 | 175                     | 6624               |
| May-10   | 1157                    | 6629               |
| June-10  | 698                     | 6635               |
| July-10  | 2006                    | 6180               |
| Aug-10   | 231                     | 6167               |
| Sept-10  | 623                     | 6162               |
| Oct-09   | 1771                    | 6592               |
| Nov-09   | 210                     | 6598               |
| Dec-09   | 60                      | 6602               |
|          | 7227                    | 78033              |

Average Customers Served

6503

**Rolling Twelve Month Average SAIFI Index**

**1.11**

## 57.195 Reporting Requirements

## Section(e) Item (2)

Wellsboro Electric Company

Reliability Index

CAIDI

| Month    | Total Customer<br>Minutes | # Customers<br>Interrupted |
|----------|---------------------------|----------------------------|
| Jan-10   | 1059                      | 24                         |
| Feb-10   | 3422.4                    | 43                         |
| Mar-10   | 25734.6                   | 229                        |
| April-10 | 10505.4                   | 175                        |
| May-10   | 37587.6                   | 1157                       |
| June-10  | 1437.47                   | 698                        |
| July-10  | 166026.6                  | 2006                       |
| Aug-10   | 25104                     | 231                        |
| Sept-10  | 42945                     | 623                        |
| Oct-09   | 109542                    | 1771                       |
| Nov-09   | 12652.8                   | 210                        |
| Dec-09   | 4695                      | 60                         |
|          | <b>440711.87</b>          | <b>7227</b>                |

Rolling Twelve Month Average CAIDI Index

**60.98**

A description of each major event that occurred during the preceding quarter including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.

| <b>Date</b> | <b>Time of Event</b> | <b>Duration of event</b> | <b># Cust Affected</b> | <b>Cause</b>             |
|-------------|----------------------|--------------------------|------------------------|--------------------------|
| 9/2/2010    | 11:12 PM             | 1 hr 47 min              | 3026                   | Failed Substation Relay  |
| 9/10/2010   | 5:29 PM              | 45 min                   | 3026                   | Failed Substation Relay  |
| 10/15/2010  | 12:15 PM             | 45 min                   | 1420                   | Off ROW tree due to wind |

The following programs and procedures are in place at Wellsboro Electric in an attempt to control outages, Animal related outages accounted for 19.8% for the total for this reporting period, Wellsboro has had a animal cover-out program in place for the last few years, our policy is to install an insulated animal guard on each pole mount distribution transformer that is installed, we review outage data in an attempt to find customers or a particular area that is experiencing multiple outages from animal contacts and placing animal guards at these location, also at the *time we install animal guards, we also install an insulated lead wire from the transformer to the cutout and or line.* All new transformers on our 12 kV system is an internally fused transformer thus preventing the need to install a fused cutout and one less piece of equipment to cover up and maintain, Equipment failures accounted for 16.8% of out total outages for this period. This is due mainly to the failure of porcelian cutouts, Wellsboro no longer uses this style of cutout. All new cutouts are the polymer type, it is our policy to change any porcelain cutout that is on any pole that the crews work on. Outage data is reviewed and areas that have had multiple outages from failed cutouts will either be inspected more frequently or may have a cutout replacement program issued for the area. Tree contact accounted for 11.4% of the outages, broken down by the following, On Right of Way 1.0%, Off Right of Way 5.4% and 11.4% not indentified, Wellsboro has a long term contract with Asplundh Tree Experts, Unknown outages accounted for 26.7% of the total outages for this period.

## 57.195 Reporting Requirements

## Section (e) Item (5)

A rolling 12-month breakdown and analysis of outage causes during the receding quarter including the number and percentage of service outages, the number of customers interrupted, and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be reported.

| Outage Cause        | # Customers Affected | # of Outages | Customer Minutes | Percentage of Outages |
|---------------------|----------------------|--------------|------------------|-----------------------|
| Animals             | 1121                 | 40           | 10870.74         | 19.8%                 |
| Vehicles            | 182                  | 2            | 13222.2          | 1.0%                  |
| Decay               | 9                    | 7            | 180              | 3.5%                  |
| Dig-in              | 0                    | 0            | 0                | 0.0%                  |
| Electrical Overload | 864                  | 8            | 44445.22         | 4.0%                  |
| Equipment Failure   | 1245                 | 34           | 47731.23         | 16.8%                 |
| Fire                |                      |              |                  | 0.0%                  |
| Ice,Sleet,Frost     | 0                    | 0            | 0                | 0.0%                  |
| Lightning           | 77                   | 6            | 6394.8           | 3.0%                  |
| Public Contact      | 496                  | 11           | 39301.8          | 5.4%                  |
| Rain                | 0                    | 0            | 0                | 0.0%                  |
| Trees               | 1068                 | 23           | 88035.78         | 11.4%                 |
| Tree, On R.O.W.     | 2                    | 2            | 2284.2           | 1.0%                  |
| Tree, Off R.O.W.    | 476                  | 11           | 40857.62         | 5.4%                  |
| Unknown Cause       | 1483                 | 54           | 98399.16         | 26.7%                 |
| Vandalism           |                      |              |                  |                       |
| Wind                | 204                  | 4            | 5945.4           | 2.0%                  |
|                     | 7227                 | 202          | 397668.2         | 100.00%               |



7006 0100 0000 9285 1063



**WELLSBORO ELECTRIC CO.**

33 Austin St.  
PO Box 138  
Wellsboro, PA 16901  
(570) 724-3516

ROSEMARY CHIAVELLA SECRETARY  
PA PUC  
PO BOX 3265  
HARRISBURG PA 17105