



UGI Utilities, Inc.  
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**VIA FEDERAL EXPRESS**

October 30, 2015

Ms. Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

RECEIVED

OCT. 30 2015

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

RE: **Quarterly Electric System Reliability Report  
12 Months Ending September 30, 2015  
Docket Nos. L-0003016 and M-00991220**

ds

Dear Secretary Chiavetta:

Pursuant to the Commission's May 7, 2004 Final Rulemaking Order amending Electric Service Reliability Regulations (52 Pa. Code §§57.191 - 57.197) at Docket Nos. L-00030161 and M-00991220, UGI Utilities, Inc. - Electric Division ("UGI") hereby files its Quarterly System Reliability Report. This report contains SAIDI, SAIFI, and CAIDI results on a 12-month rolling basis for the period ending September 30, 2015 along with the raw data from the same period. Also included is a breakdown of outages by cause for the 12 months ending September 30, 2015. The actual statistics are favorable to both the benchmark and standard adopted for UGI.

The Office of Consumer Advocate, the Office of Small Business Advocate, the Bureau of Audits, and the Bureau of Technical Utility Services are each being served with copies of this filing.

Questions related to the attached report should be directed to Mr. Vince DeGiusto, Jr. at (570) 830-1289 or email [vdegiustojr@ugi.com](mailto:vdegiustojr@ugi.com).

Sincerely,

Eric Sorber  
Electric Division, Director - Engineering & Operations

Attachment: Quarterly Electric System Reliability Report

163137

cc: **VIA FEDERAL EXPRESS**

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**UGI Utilities, Inc. – Electric Division  
System Reliability Report:  
Quarterly Update**

**October 30, 2015**

**UGI Utilities, Inc. – Electric Division  
System Reliability Report**

**§ 57.195(e)(1) – 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.**

There were no major events during the preceding quarter.

**§ 57.195(e)(2) – Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI and if available, MAIFI) for the EDC’s service territory for the preceding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer interruptions, the number of customers affected and the customer minutes of interruption.**

The 12 month rolling reliability results for UGI’s service area are as follows:

	SAIDI	SAIFI	CAIDI
<b>12-Month Standard</b>	<b>256</b>	<b>1.12</b>	<b>228</b>
<b>12-Month Benchmark</b>	<b>140</b>	<b>0.83</b>	<b>169</b>
12 months Ended September,30 2015	47	0.41	113

SAIDI: System Average Interruption Duration Index  
SAIFI: System Average Interruption Frequency Index  
CAIDI: Customer Average Interruption Duration Index

**UGI Utilities, Inc. – Electric Division  
System Reliability Report**

**Raw Data: October 2014 - September 2015**

<b>Month</b>	<b>SI</b>	<b>TCI</b>	<b>TCB</b>	<b>TMCI</b>
Oct-2014	25	2,472	60,939	342,952
Nov-2014	31	3,470	60,903	345,580
Dec-2014	21	628	60,886	111,439
Jan-2015	24	222	60,924	19,932
Feb-2015	17	1,830	60,835	331,606
Mar-2015	21	193	60,721	18,595
Apr-2015	34	546	60,417	77,730
May-2015	35	1,938	60,433	166,459
Jun-2015	48	9,447	60,294	988,740
Jul-2015	27	2,582	60,201	247,239
Aug-2015	33	823	60,069	99,527
Sep-2015	<u>33</u>	<u>932</u>	<u>59,978</u>	<u>73,859</u>
<b>TOTAL</b>	<b>349</b>	<b>25,083</b>	<b>60,550 *</b>	<b>2,823,658</b>

\* 12-month arithmetic average

SI: Sustained Interruptions  
TCI: Total Customers Interrupted  
TCB: Total Customer Base  
TMCI: Total Minutes Customer Interruption

**SAIDI**

The SAIDI value for the 12 months ending September 2015 is 47. This result is 10% lower than results reported through June 2015.

**SAIFI**

The 12-month rolling SAIFI index decreased 5% from 0.43 in our last quarterly report to 0.41 for the period ending September 2015.

**CAIDI**

The CAIDI result of 113 for the 12-month reporting period ending September 2015 is down 7% from our last report.

All index values fall below their respective standard and benchmark levels. UGI believes the changes in reliability results compared with the previous reporting periods are due to the natural variation of the events in each period and do not indicate any trends. It is always important to note, however, that weather conditions can have considerable impact on these values.

**UGI Utilities, Inc. – Electric Division  
System Reliability Report**

**§57.195(e)(5)–Rolling 12 month breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages, the number of customers interrupted, and the 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 by Cause: October 2014 – September 2015**

<b>Cause</b>	<b>% of Total Incidents</b>	<b>Number of Interruptions</b>	<b>Customers Interrupted</b>	<b>Minutes Interrupted</b>
Animal	17.48%	61	599	48,887
Company Agent	0.57%	2	38	730
Construction Error	0.00%	0	0	0
Customer Problem	0.57%	2	3	414
Equipment Failure	35.53%	124	4,806	521,862
Lightning	4.58%	16	493	43,755
Motor Vehicle	7.16%	25	8,406	1,050,467
Other	0.57%	2	47	7,256
Public	5.16%	18	2,018	215,353
Structure Fire	0.86%	3	46	5,926
Trees	17.77%	62	6,309	533,599
Unknown	5.73%	20	1,951	348,906
Weather Related	1.72%	6	40	6,736
Weather/Snow	0.57%	2	116	20,344
Weather/Ice	0.00%	0	0	0
Weather/Wind	1.72%	6	211	19,423
<b>TOTAL</b>	<b>100.00%</b>	<b>349</b>	<b>25,083</b>	<b>2,823,658</b>

**Proposed Solutions to Identified Problems:**

UGI has not identified any specific, significant issues on its system that need attention.

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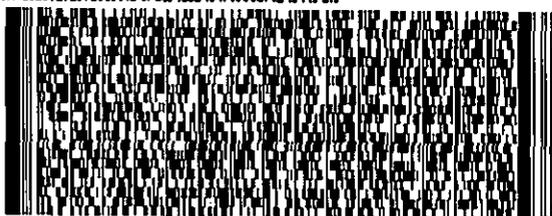
TO **MS. ROSEMARY CHIAVETTA, SECRETARY**  
**PA PUBLIC UTILITY COMMISSION**  
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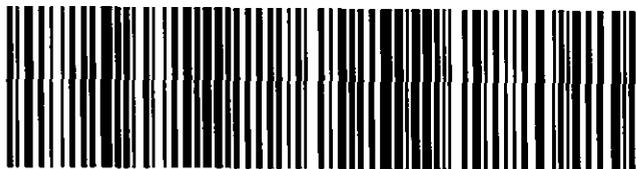


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