



UGI Utilities, Inc.
2525 N. 12th Street
Suite 360
PO Box 12677
Reading, PA 19612-2677

(800) 276-2722

VIA E-FILING

February 1, 2017

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

**RE: Quarterly Electric System Reliability Report
12 Months Ending December 31, 2016
Docket Nos. L-00030161 and M-00991220**

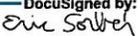
Dear Secretary Chiavetta:

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 December 31, 2016 along with the raw data from the same period. Also included is a breakdown of outages by cause for the 12 months ending December 31, 2016. 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.

Sincerely,

DocuSigned by:

1899663FE145402...

Eric Sorber
Electric Division, Director – Engineering & Operations

Attachment

cc: **VIA FEDERAL EXPRESS**

Tanya J. McCloskey
Office of Consumer Advocate
555 Walnut St.
5th Floor, Forum Place
Harrisburg, PA 17101-1921

John R. Evans
Small Business Advocate
Suite 1102, Commerce Bldg.
300 North Second St.
Harrisburg, PA 17101

Dennis Hosler, Director
Bureau of Audits
Pennsylvania Public Utility Commission
Commonwealth Keystone Bldg.
3rd Floor, F East
Harrisburg, PA 17101

David Washko, Deputy Director
Bureau of Technical Utility Services
Commonwealth Keystone Building
3rd Floor
400 North Street
Harrisburg, PA 17120

ELECTRONIC MAIL

David Washko, Deputy Director
Bureau of Technical Utility Services
dwashko@pa.gov



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

February 1, 2017

**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
12-Month Standard	256	1.12	228
12-Month Benchmark	140	0.83	169
12 months Ended December 31, 2016	78	0.63	125

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: January 2016 - December 2016

Month	SI	TCI	TCB	TMCI
Jan-2016	27	639	59,889	90,830
Feb-2016	40	9,830	59,889	1,258,214
Mar-2016	26	6,973	59,783	831,584
Apr-2016	46	1,672	59,519	449,736
May-2016	27	3,631	59,375	713,329
Jun-2016	38	1,060	60,944	127,727
Jul-2016	48	10,274	63,668	753,493
Aug-2016	49	1,140	63,653	150,282
Sep-2016	26	1,782	63,584	249,920
Oct-2016	33	578	63,644	120,393
Nov-2016	10	553	63,662	22,521
Dec-2016	12	777	63,666	78,310
TOTAL	382	38,909	61,773 *	4,846,339

* 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 December 2016 is 78. This result is 7% lower than results reported through September 2016.

SAIFI

The 12-month rolling SAIFI index decreased 10% from 0.70 in our last quarterly report to 0.63 for the period ending December 2016.

CAIDI

The CAIDI result of 125 for the 12-month reporting period ending December 2016 is up 5% 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: January 2016 – December 2016

Cause	% of Total Incidents	Number of Interruptions	Customers Interrupted	Minutes Interrupted
Animal	17.02%	65	780	66,379
Company Agent	1.05%	4	55	1,662
Construction Error	0.00%	0	0	0
Customer Problem	0.26%	1	1	65
Dig In	0.79%	3	13	2,145
Equipment Failure	29.32%	112	15,887	1,541,006
Lightning	4.45%	17	462	93,893
Motor Vehicle	8.38%	32	4,371	877,719
Other	1.05%	4	8	730
Public	1.57%	6	73	14,005
Structure Fire	0.00%	0	0	0
Trees	26.70%	102	10,680	1,303,169
Unknown	1.83%	7	1,689	168,343
Weather Related	3.14%	12	1,625	85,418
Weather/Snow	0.00%	0	0	0
Weather/Ice	0.52%	2	616	47,960
Weather/Wind	3.93%	15	2,649	643,845
TOTAL	100.00%	382	38,909	4,846,339

Proposed Solutions to Identified Problems:

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