



VIA E-FILING

November 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 September 30, 2017
Docket No. M-2016-2522508**

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 No. M-2016-2522508, 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, 2017 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, 2017. 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,

Eric Sorber
Electric Division, Director – Engineering & Operations
Attachment

cc: **VIA FEDERAL EXPRESS**

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

November 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 September 30, 2017	57	0.42	134

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 2016 - September 2017

Month	SI	TCI	TCB	TMCI
Oct-2016	33	578	63,644	120,393
Nov-2016	10	553	63,662	22,521
Dec-2016	12	777	63,666	78,310
Jan-2017	24	1,171	63,729	137,902
Feb-2017	21	685	63,748	156,560
Mar-2017	41	3,588	63,792	461,297
Apr-2017	23	3,708	63,773	352,494
May-2017	40	2,975	63,719	560,540
Jun-2017	38	4,273	63,734	543,442
Jul-2017	41	2,153	63,673	351,089
Aug-2017	32	2,643	63,687	556,026
Sep-2017	13	3,861	63,708	269,491
TOTAL	328	26,965	63,711 *	3,610,065

* 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 2017 is 57. This result is 2% higher than results reported through June 2017.

SAIFI

The 12-month rolling SAIFI index decreased 14% from 0.49 in our last quarterly report to 0.42 for the period ending September 2017.

CAIDI

The CAIDI result of 134 for the 12-month reporting period ending September 2017 is up 18% 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 2016 – September 2017

Cause	% of Total Incidents	Number of Interruptions	Customers Interrupted	Minutes Interrupted
Animal	10.98%	36	523	34,396
Company Agent	1.22%	4	35	1,532
Construction Error	0.00%	0	0	0
Customer Problem	0.00%	0	0	0
Dig In	0.91%	3	102	13,107
Equipment Failure	29.27%	96	9,656	1,317,516
Lightning	1.52%	5	375	31,452
Motor Vehicle	8.54%	28	2,636	353,418
Other	0.91%	3	104	7,022
Public	3.66%	12	3,655	240,262
Structure Fire	0.00%	0	0	0
Trees	34.76%	114	8,839	1,503,041
Unknown	3.05%	10	445	16,100
Weather Related	0.30%	1	204	19,176
Weather/Snow	1.22%	4	103	12,420
Weather/Ice	0.91%	3	90	32,525
Weather/Wind	2.74%	9	198	28,098
TOTAL	100.00%	328	26,965	3,610,065

Proposed Solutions to Identified Problems:

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