



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

VIA FEDERAL EXPRESS

(800) 276-2722

August 1, 2018

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 June 30, 2018
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 June 30, 2018 along with the raw data from the same period. Also included is a breakdown of outages by cause for the 12 months ending June 30, 2018. The actual statistics are all favorable to the standards adopted for UGI and SAIFI is favorable to the benchmarks 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 myself at (570) 830-1289 or email vdegiustojr@ugi.com.

Sincerely,

Vincent A. DeGiusto Jr.
Electric Division, Sr. Manager System Operations & Planning

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Attachment



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

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August 1, 2018

**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 June 30, 2018	150	0.71	213

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: July 2017 – June 2018

Month	SI	TCI	TCB	TMCi
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
Oct-2017	36	4,568	63,634	312,749
Nov-2017	25	1,186	63,549	323,967
Dec-2017	17	584	63,528	80,312
Jan-2018	35	3,397	63,491	676,409
Feb-2018	12	116	63,352	16,175
Mar-2018	91	3,991	63,311	2,916,858
Apr-2018	52	4,494	63,226	1,050,570
May-2018	90	10,269	63,098	2,430,214
Jun-2018	47	7,643	63,023	560,989
TOTAL	491	44,905	63,440 *	9,544,849

* 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 June 2018 is 150. This result is 38% higher than results reported through March 2018.

SAIFI

The 12-month rolling SAIFI index increased 34% from 0.53 in our last quarterly report to 0.71 for the period ending June 2018.

CAIDI

The CAIDI result of 213 for the 12-month reporting period ending June 2018 is up 2% from our last report.

All index values fall below their respective standard and SAIFI is below the 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 as is the case in this report, which reflects an increased number of outages and corresponding durations that resulted from several significant weather events in the last several months including the March 2, 2018 nor'easter and May 15, 2018 severe thunderstorm.

**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: July 2017 – June 2018

Cause	% of Total Incidents	Number of Interruptions	Customers Interrupted	Minutes Interrupted
Animal	11.61%	57	705	52,245
Company Agent	0.81%	4	341	2,682
Construction Error	0.00%	0	0	0
Customer Problem	0.41%	2	688	68,712
Dig In	0.41%	2	93	11,620
Equipment Failure	18.13%	89	7,905	1,387,245
Lightning	1.43%	7	351	30,932
Motor Vehicle	5.09%	25	6,097	847,804
Other	1.02%	5	14	1,618
Public	1.43%	7	7,638	389,162
Structure Fire	0.00%	0	0	0
Trees	43.18%	212	14,482	5,032,109
Unknown	3.26%	16	210	26,667
Weather Related	1.43%	7	1,779	150,562
Weather/Snow	0.20%	1	75	27,750
Weather/Ice	0.20%	1	18	1,962
Weather/Wind	11.41%	56	4,509	1,513,779
TOTAL	100.00%	491	44,905	9,544,849

Proposed Solutions to Identified Problems:

UGI has identified and is addressing an increased number of danger trees resulting from the decline of the Pennsylvania ash tree. This species has been impacted by the Emerald Ash Borer throughout the UGI service territory. UGI has added an additional vegetation crew to assist with an increased number of danger tree removals.

VIA FEDERAL EXPRESS

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

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

Kelly Monaghan, Director
Bureau of Audits
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
3rd Floor, F East
Harrisburg, PA 17101

John Van Zant, Electrical Reliability Supervisor
Bureau of Technical Utility Services
Commonwealth Keystone Building
400 North Street, 3rd Floor
Harrisburg, PA 17120

ELECTRONIC MAIL

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

John Van Zant, Electrical Reliability Supervisor
Bureau of Technical Utility Services
jvanzant@pa.gov

ORIGIN ID:RDGA (610) 796-3401
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SUITE 360
READING, PA 19605
UNITED STATES US

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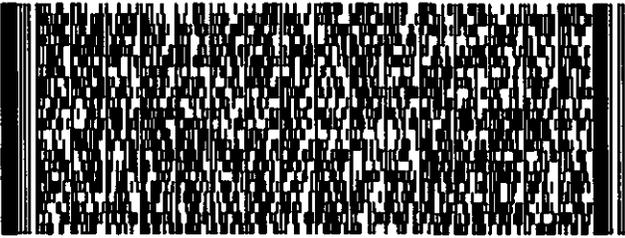
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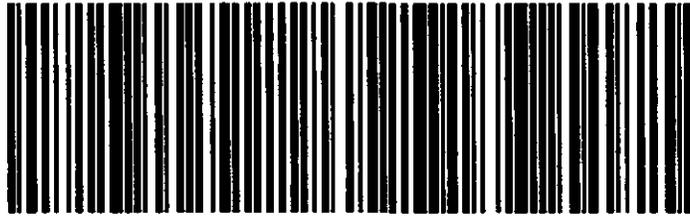


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