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Shelby A. Linton-Keddie
Manager, State Regulatory Strategy and Senior Legal Counsel
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DLC
—DUQUESNE LIGHT CO.—

July 26, 2018

Via Certified Mail
7018 0360 0002 1824 5511

Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Bldg
2nd Floor, Room-N201
400 North Street
Harrisburg, PA 17120

M-2016-2522508

Re: **Duquesne Light Company**
Quarterly Electric Reliability Report –2nd Quarter 2018

Dear Secretary Chiavetta:

Enclosed please find Duquesne Light Company's Quarterly Electric Reliability Report for the Second Quarter of 2018.

The report is submitted in two versions, proprietary and non-proprietary. The proprietary version in the enclosed sealed envelope contains all the information required by 52 Pa. Code § 57.195 and is marked as "Confidential." Duquesne Light Company respectfully requests that the proprietary version of the Quarterly Electric Reliability Report **not** be made available to the public.

If you have any questions regarding the information contained in this filing, please contact the undersigned or Audrey Waldock at 412-393-6334 or awaldock@duqlight.com.

Sincerely,

Shelby Linton-Keddie/aw

Shelby A. Linton-Keddie
Manager, State Regulatory Strategy
And Senior Legal Counsel

Enclosure
cc (w/ redacted version):
Bureau of Technical Utility Services (dsearfoorc@pa.gov, jvanzant@pa.gov, dawashko@pa.gov)
Office of Consumer Advocate (TMcCloskey@paoca.org)
Office of Small Business Advocate (jorevan@pa.gov, swebb@pa.gov)

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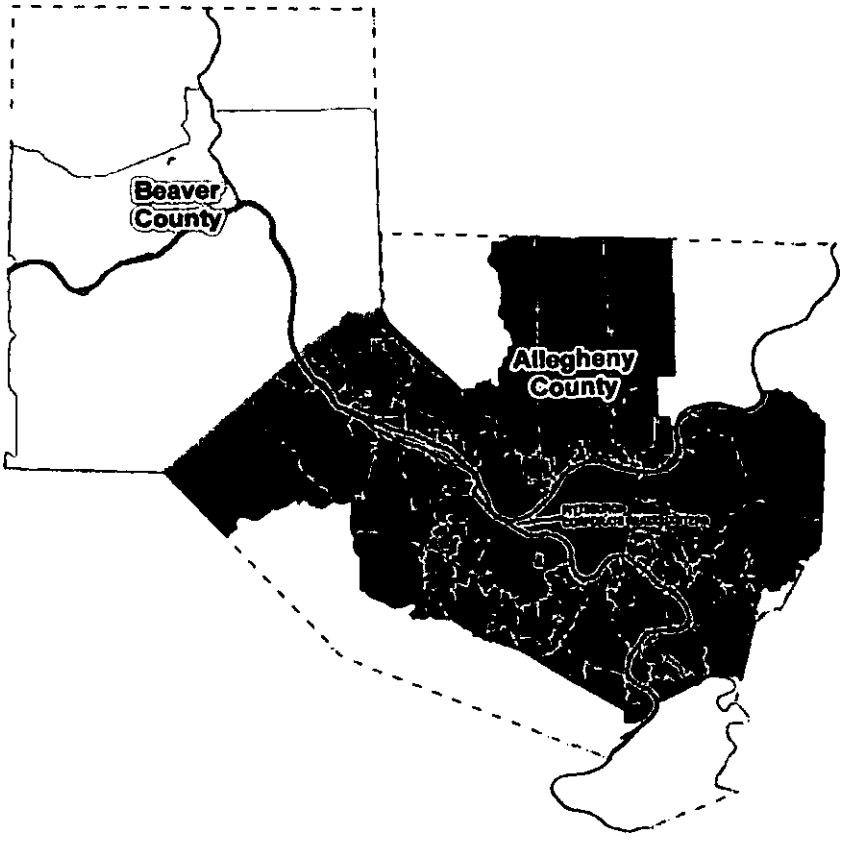
PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

DUQUESNE LIGHT CO.



Duquesne Light Company
Second Quarter 2018

Electric Reliability Report

to the

Pennsylvania Public Utility Commission

July26, 2018

57.195 Reporting Requirements

(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.*

No major events occurred during the second quarter of 2018.

(e)(2) *Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the electric distribution company'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. If MAIFI values are provided, the report shall also include the number of customer momentary interruptions.*

RELIABILITY BENCHMARKS AND STANDARDS
System Performance Measures with Major Events Excluded
Entire System

	SAIDI	SAIFI	CAIDI	MAIFI
Benchmark	126	1.17	108	*
12 Month Standard	182	1.40	130	*
2018 2Q (Rolling 12 mo)	77	0.75	103	*

* Sufficient information to calculate MAIFI is unavailable.

Formulas used in calculating the indices:

$$\text{SAIFI} = \frac{\text{(Total KVA interrupted) - (KVA impact of major events)}}{\text{System Connected KVA}}$$

$$\text{SAIDI} = \frac{\text{(Total KVA-minutes interrupted) - (KVA-minute impact of major events)}}{\text{System Connected KVA}}$$

$$\text{CAIDI} = \text{SAIDI/SAIFI}$$

Data used in calculating the indices

Total KVA Interrupted for the Period	5,456,657 KVA
Total KVA-Minutes Interrupted:	561,591,403 KVA-Minutes
System Connected Load as of 6/30/18:	7,259,129 KVA

(e)(3) *Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system. An explanation of how the electric distribution company defines its worst performing circuits shall be included.*

Circuits are evaluated based on a rolling twelve-month count of lockouts of protective devices (circuit breakers, reclosers, sectionalizers and line fuses) and on total accumulated KVA-Minutes of customer outage time. Circuits that experience multiple lockouts for a device in combination with high total accumulated KVA-Minutes of customer outage time in each quarterly rolling twelve-month period are identified and the top 5% are reported as Worst-Performing Circuits.

The list of Worst-Performing Circuits is ranked first by the number of device lockouts from highest to lowest and then by the number of KVA-Minutes of outage experienced by customers on these circuits (highest to lowest). This places a higher priority on circuits with repeat outages affecting customers (SAIFI) while also focusing on outage duration for customers on these circuits (SAIFI and SAIDI). Prior Worst Performing Circuits that have not seen recent outages fall to a lower priority within the group, but can remain on the list for monitoring until other circuits replace them.

While repairs are made as quickly as possible following every customer outage, circuits that appear on the worst performing circuits list are targeted for more extensive remediation based on a detailed review of historical outage records looking at root cause problems, field evaluations and engineering analysis. Project scopes developed as a result of this analysis are incorporated into the Company's Work Plan for engineering, design and construction. Since the focus is on reducing future customer outage duration and not just outage frequency, special attention is given to establishing/optimizing sectionalizing switch locations and alternate feeds to problem-prone areas of circuits and where possible replacing or eliminating equipment that has historically required lengthy repair times as well as a high failure rates.

At the end of each quarter all previously identified circuits are reviewed to verify that past remediation efforts are working and to look for new reliability issues that may be developing. Serious new reliability problems are addressed immediately without waiting additional periods to collect information. This analysis method provides for timely review of circuit performance by in-house staff and it adapts to the dynamic nature of Duquesne's distribution system.

Special Note: *Because of sophisticated protection and remote automation technologies that the Company uses on its distribution circuits, not all customers on a circuit identified as a worst performing circuit actually experience significant reliability issues. Circuit problems are generally isolated to one load block of a circuit in less than five minutes with downstream customers only experiencing short momentary operations. Customers upstream of a circuit problem may not even experience a momentary outage. Therefore, many customers on a circuit identified as a poor performer have actually had good reliability.*

See Attachment A for a list of worst-performing circuits showing feeder device lockouts and reliability index values associated with each circuit.

(e)(4) Specific remedial efforts taken and planned for the worst performing 5% of the circuits as identified in paragraph (3).

Second Quarter 2018 Rolling 12 Month Circuit Data

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
1 Wilmerding 23763 Fuse Link 65K	7 Total Outages: Second Quarter Outages: • One outage was caused by equipment failure. • The cause of three outages were unknown. Previous Outages: • The cause of three outages were unknown.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.
2 Pink Creek 23712 BKR	5 Total Outages: Second Quarter Outages: • One outage was caused by tree fall in. • The cause of two outages were unknown. • One outage was caused by equipment failure, during a storm. Previous Outages: • One outage was caused by tree fall in, during a storm.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Routine vegetation maintenance was last performed in 2013 and is scheduled for 2018. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.
3 Raccoon 23620 Fuse Link 100K	5 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • Two outages were caused by tree fall in. • One outage was caused by equipment failure. • The cause of two outages were unknown.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
4 Wildwood 23868 Fuse Link 65K	4 Total Outages: Second Quarter Outages: • One outage was caused by tree fall in. Previous Outages: • One outage was caused by contact with company equipment by vehicle. • Two outages were caused by tree fall in.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.
5 Pine Creek 23711 Fuse Link 40K	4 Total Outages: Second Quarter Outages: • One outage was caused by tree fall in. Previous Outages: • Two outages were caused by tree fall in, one during a storm. • One outage was caused by wires blown together due to high winds.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
6 Midland-Cooks Ferry 22869 Fuse Link 80E	4 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • The cause of two outages were unknown, one during a storm. • One outage was caused by a broken pole, during a storm. • One outage was caused by tree fall in, during a storm.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Vegetation Management completed Q4 2017. • Continue to monitor for reliability concerns. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
7 Woodville 23681 Recloser ER259	4 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • One outage was caused by high current overload. • Two outages were caused by tree fall in, one during a storm. • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.
8 Logans Ferry 23921 Recloser 100	3 Total Outages: Second Quarter Outages: • One outage was caused by down wire, during a storm. Previous Outages: • Two outages were caused by tree fall in, during a storm.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
9 Elywn 23806 BKR	3 Total Outages: Second Quarter Outages: • One outage was caused by equipment failure. • The cause of one outage was unknown. Previous Outages: • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
10 Arsenal 23846 BKR	3 Total Outages: Second Quarter Outages: • One outage was caused by high current overload. Previous Outages: • One outage was caused by contact with company equipment by vehicle. • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
11 Chess 23688 Recloser ER863	3 Total Outages: Second Quarter Outages: • One outage was caused by tree fall in. Previous Outages: • One outage was caused by tree fall in • The cause of one outage was unknown.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
12 Mt. Nebo 23871 Recloser ER863	3 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • One outage was caused by equipment failure. • One outage was caused by contact with company equipment by vehicle. • One outage was caused by tree fall in.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
13 Pine Creek 23713 Recloser WR1004	3 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • The cause of two outages were unknown. • One outage was caused by contact with company equipment by vehicle.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
14 Pine Creek 23714 Fuse Link 80E	3 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • Three outages were caused by tree fall in, one during a storm.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Routine vegetation maintenance was last performed in 2013 and is scheduled for 2018. • This circuit was reviewed for coordination issues by Protection Engineering. No issues were found.
15 Brentwood 23810 Fuse Link 80E	2 Total Outages: Second Quarter Outages: • One outage was caused by lightning. • The cause of one outage was unknown. Previous Outages: • No outages.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
16 Pine Creek 23716 BKR	2 Total Outages: Second Quarter Outages: • The cause of one outage was unknown. Previous Outages: • One outage was caused by tree fall in.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
17 Wilson 23862 BKR	2 Total Outages: Second Quarter Outages: • One outage was caused by wire down and pole fire, during a storm. Previous Outages: • The cause of one outage was unknown.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Protection Engineering will check this circuit for potential coordination issues by end of Q4 2018.
18 B.I. – McKees Rocks Forgings No. 2 22026 BKR	2 Total Outages: Second Quarter Outages: • One outage was caused by equipment failure. • One outage was caused by contact with company equipment by vehicle. Previous Outages: • No outages.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
19 Mt. Nebo 23870 Fuse Link 80E	2 Total Outages: Second Quarter Outages: • One outage was caused by tree fall in. Previous Outages: • One outage was caused by tree fall in, during a storm.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
20 Wilson 23863 Recloser 100	2 Total Outages: Second Quarter Outages: • The cause of two outages were unknown. Previous Outages: • No outages.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
21 Evergreen 23954 Fuse Link 80E	2 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • One outage was caused by equipment failure. • One outage was caused by tree fall in.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
22 Highland 23820 Sectionalizer 80E	2 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • One outage was caused by tree fall in. • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
23 Universal 23733 Fuse Link 80E	2 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • Two outages were caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
24 Woodville 23680 Fuse Link 80E	2 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • Two outages were caused by tree fall in.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
25 Findlay 23610 BKR	2 Total Outages: Second Quarter Outages: • No outages. Previous Outages: • One outage was caused by equipment failure. • The cause of one outage was unknown, during a storm.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • This circuit was reviewed for coordination issues by Protection Engineering. No issues were found.
26 Oakland 23742 BKR	1 Outage: Second Quarter Outages: • One outage was caused by wires blown together due to high winds. Previous Outages: • No outages.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
27 Valley 23783 Fuse Link 80E	1 Outage: Second Quarter Outages: • No outages. Previous Outages: • One outage was caused by tree fall in.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

(e)(5) *A 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 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.*

Proposed solutions to identified service problems are listed in Section (e)(4) above.

July 1, 2017 through June 30, 2018 – No PUC Major Event Exclusions

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	445	15%	953,429	17%	140,041,024	25%
Trees (Contact)	22	1%	23,601	1%	878,789	1%
Trees (Falling)	821	28%	1,408,035	26%	147,295,535	26%
Equipment Failures	711	25%	1,601,247	29%	154,047,579	27%
Overloads	70	2%	120,372	2%	8,824,872	2%
Vehicles	162	6%	387,242	7%	51,836,393	9%
Other	655	23%	962,731	18%	58,647,211	10%
TOTALS	2,886	100%	5,456,657	100%	561,591,403	100%

(e)(6) *Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/ objectives.*

2018 Transmission and Distribution Goals and Objectives							
Program Project	**Unit of Measurement**	**Target for 20182Q**	**Actual for 2018 2Q**	**2Q Percent Complete**	**Targets for Year 2018**	**Actual YTD for 2018**	**Year End % Complete**
Communications Goals							
Communication Battery Maintenance	Battery Tasks	31	27	87%	124	53	43%
Overhead Distribution Goals							
Recloser Inspections	Circuits	16	35	219%	130	71	55%
Pole Inspections	Poles	4,969	136	3%	17,393	136	1%
OH Line Inspections	Circuits	16	35	219%	130	71	55%
OH Transformer Inspections	Circuits	16	35	219%	130	71	55%
Padmount & Below Grade Insp	Circuits	25	53	212%	80	65	81%
Overhead Transmission Goals							
Helicopter Inspections	Number of Structures	533	755	142%	533	755	142%
Ground Inspections	Number of Structures	192	0	0%	3893	277	72%
Substations Goals							
Circuit Breaker Maintenance	Breaker Tasks	140	174	124%	610	339	56%
Station Transformer Maintenance	Transformer Tasks	21	71	338%	52	79	152%
Station Battery Maintenance	Battery Tasks	247	257	104%	988	502	51%
Station Relay Maintenance	Relay Tasks	497	593	119%	1,391	883	63%
Station Inspections	Site Visits	501	501	100%	2,016	1,014	50%
Underground Distribution Goals							
Manhole Inspections	Manholes	180	207	115%	700	340	49%
Major Network Insp (Prot Relay)	Network Protectors	30	63	210%	92	70	76%
Minor Network Visual Inspection (Transformer/Protector/Vault)	Network Transformers	144	228	158%	576	550	95%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Orders	93	103	111%	372	193	52%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	401	418	104%	1,300	706	54%
	Total Units	**8,052**	**3,691**	**46%**	**27,000**	**6,175**	**23%**

(e)(7) *Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures in total and detailed by the EDC's own functional account code or FERC account code as available.*

Budget Variance Recap – O&M Expenses
For the Three Months Ending June 30, 2018
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	8,776,755	14,481,781	5,705,026
Human Resources	3,425,687	3,897,427	471,740
Operations/Operation Services	17,509,231	15,847,140	(1,662,091)
Technology	14,141,485	12,874,397	(1,267,088)
General Corporate*	13,159,672	12,101,019	(1,058,653)
Total	57,012,830	59,201,764	2,188,934

*Includes Finance, Office of General Counsel, and Senior Management costs

Budget Variance Recap – O&M Expenses
For the Six Months Ending June 30, 2018
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	28,889,584	30,864,937	1,975,353
Human Resources	6,803,960	7,770,195	966,235
Operations/Operation Services	32,789,051	32,138,790	(650,261)
Technology	26,007,902	25,791,086	(216,816)
General Corporate*	26,786,373	25,446,023	(1,340,350)
Total	121,276,870	122,011,031	734,161

*Includes Finance, Office of General Counsel, and Senior Management costs

(e)(8) *Quarterly and year-to-date information on budgeted versus actual transmission and distribution capital expenditures in total and detailed by the EDC's own functional account code or FERC account code as available.*

Budget Variance Recap -Capital
For the Three Months Ending June 30, 2018
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	2,379,111	2,680,626	301,515
Human Resources	2,262,232	2,874,544	612,312
Operations/Operation Services	61,803,754	58,013,537	(3,790,217)
Technology	23,663,613	14,553,616	(9,109,997)
General Corporate*	10,138,804	7,863,388	(2,275,416)
Total	100,247,514	85,985,711	(14,261,803)

*Includes Finance, Office of General Counsel, and Senior Management costs

Budget Variance Recap - Capital
For the Six Months Ending June 30, 2018
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	4,501,990	5,352,081	850,091
Human Resources	4,818,028	5,769,292	951,264
Operations/Operation Services	97,407,421	115,739,373	18,331,952
Technology	45,802,725	29,184,932	(16,617,793)
General Corporate*	20,479,051	16,039,781	(4,439,270)
Total	173,009,215	172,085,459	(923,756)

*Includes Finance, Office of General Counsel, and Senior Management costs

(e)(9) *Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (e.g. linemen, technician, and electrician).*

Job Title	Number of Employees
Telecom Splicer/Trouble Tech	6
Electronic Technician	16
Telecom Technician	3
Total Telecom	**25**
Electrical Equipment Technician	35
Protection & Control Technician	27
Yard Group Leader	3
Rigger	6
Laborer	2
Total Substation	**73**
UG Splicer	37
UG Cable Inspector	10
Cable Tester	1
Network Operator	12
Equipment Material Handler	1
Total Underground	**61**
Apprentice T&D	48
Equipment Attendant	0
Lineworker	142
Service Crew Leader	3
Equipment Material Handler	5
Total Overhead	**198**
Right of Way Agent	4
Surveyor	4
Total Real Estate	**8**
Total Street Light Changer	**6**
Engineering Technician	36
GIS Technician	4
T&D Mobile Worker	2
Test Technician, Mobile	6
Total Engineering	**48**
Senior Operator	23
Traveling Operator	1
Troubleshooter	11
Total Traveling Operator/Troubleshooter	**35**
Total Switching Dispatcher	**15**
Total Employees	**469**

(e)(10) *Quarterly and year-to-date information on contractor hours and dollars for transmission and distribution operation and maintenance.*

CONFIDENTIAL INFORMATION

2nd Quarter 2018

Contractor Dollars: **$ REDACTED**
Contractor Hours: **REDACTED**

YTD 2018

Contractor Dollars: **$ REDACTED**
Contractor Hours: **REDACTED**

(e)(11) *Monthly call-out acceptance rate for transmission and distribution maintenance workers presented in terms of both the percentage of accepted call-outs and the amount of time it takes the EDC to obtain the necessary personnel. A brief description of the EDC's call-out procedure should be included when appropriate.*

CONFIDENTIAL INFORMATION

Callout Acceptance Rate -2nd Quarter 2018

REDACTED

Amount of Time it Takes to Obtain the Necessary Personnel – 2nd Quarter 2018

REDACTED

(d)(2) *The name, title, telephone number and e-mail address of the persons who have knowledge of the matters, and can respond to inquiries.*

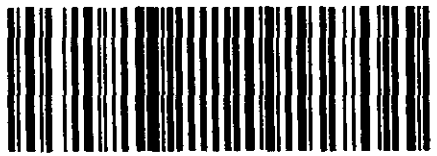
Matthew G. Bucek – General Manager, Asset Management
(412) 393-8878, mbucek@duqlight.com

Jaime Bachota – Assistant Controller, Accounting & Financial Reporting
(412) 393-1122, jbachota@duqlight.com

ATTACHMENT A

(e)(3) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system.

Rank	Circuit No	Circuit Name	Feeder Device	Device Lockouts	Last Lockout	Ckt KVA	Total KVA Interrupted	Total KVA-Minutes	SAIDI	SAIFI	CAIDI
1	23763	Wilmerding	65K	7	6/2/2018	22292	90045	8655584	388.282	4.0393	96.1250
2	23712	Pine Creek	BKR	5	6/5/2018	19499	88510	9507273	487.577	4.5392	107.414
3	23620	Raccoon	100K	5	2/4/2018	24741	49139	8248507	333.394	1.9861	167.860
4	23868	Wildwood	65K	4	6/5/2018	25349	53520	4820127	190.150	2.1113	90.0621
5	23711	Pine Creek	40K	4	4/27/2018	21254	55650	5838620	274.706	2.6183	104.916
6	22869	Midland-Cooks Ferry	80E	4	3/8/2018	37666	71864	7513871	199.486	1.9079	104.556
7	23681	Woodville	ER259	4	2/4/2018	31791	70268	6621724	208.289	2.2103	94.2352
8	23921	Logans Ferry	100	3	6/20/2018	32875	72619	12584234	382.790	2.2089	173.291
9	23806	Elwyn	BKR	3	6/3/2018	27772	96588	6430067	231.530	3.4778	66.5721
10	23846	Arsenal	BKR	3	6/3/2018	32183	56988	5532959	171.921	1.7707	97.0898
11	23688	Chess	ER863	3	4/6/2018	26214	69109	7254674	276.748	2.6363	104.974
12	23871	Mt Nebo	WR852	3	1/20/2018	17687	34509	6185595	349.725	1.9510	179.245
13	23713	Pine Creek	WR1004	3	11/2/2017	28333	43575	5209438	183.864	1.5379	119.551
14	23714	Pine Creek	80E	3	10/8/2017	22571	60174	8900501	394.333	2.6659	147.912
15	23810	Brentwood	80E	2	6/20/2018	18622	44250	6700506	359.816	2.3762	151.423
16	23716	Pine Creek	BKR	2	6/14/2018	34563	51402	5307809	153.569	1.4871	103.260
17	23862	Wilson	BKR	2	6/10/2018	40616	47353	4659557	114.722	1.1658	98.4004
18	22026	B.I.-McKees Rocks Forgings No.2	BKR	2	5/25/2018	10192	16345	6391463	627.105	1.6037	391.034
19	23870	Mt. Nebo	80E	2	5/25/2018	26795	62542	7964475	297.237	2.3340	127.346
20	23863	Wilson	100	2	5/1/2018	30657	24366	5975194	194.904	0.7947	245.226
21	23954	Evergreen	80E	2	1/12/2018	22613	17429	5477777	242.240	0.7707	314.290
22	23820	Highland	EA891	2	12/25/2017	32049	59552	5343018	166.714	1.8581	89.7202
23	23733	Universal	80E	2	10/29/2017	30158	43844	4851109	160.856	1.4538	110.644
24	23680	Woodville	80E	2	10/27/2017	27442	41085	6246184	227.614	1.4971	152.030
25	23610	Findlay	BKR	2	7/11/2017	36227	56024	10949646	302.250	1.5464	195.445
26	23742	Oakland	BKR	1	6/3/2018	20250	67146	5494266	271.321	3.3158	81.8256
27	23783	Valley	80E	1	3/7/2018	32032	35749	5504856	171.854	1.1160	153.986



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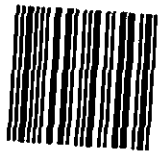

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