Lindsay A. Baxter
Manager, State Regulatory Strategy
lbaxter@duqlight.com
(412) 393-6224

DUQUESNE LIGHT CO.

M-2016-2522508

October 31, 2019

VIA CERTIFIED MAIL
7016 0910 0000 1659 7080

RECEIVED
OCT 31 2019
PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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

Re: Duquesne Light Company
Quarterly Electric Reliability Report –3rd Quarter 2019

Dear Secretary Chiavetta:

Enclosed please find Duquesne Light Company's Quarterly Electric Reliability Report for the third quarter of 2019.

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 me or Audrey Waldock at 412.393.6334 or awaldock@duqlight.com.

Sincerely,

Lindsay A. Baxter

Enclosure
cc (w/ redacted version):
Dan Searfoorce (dsearfoorc@pa.gov)
John Van Zant (jvanzant@pa.gov)
David Washko (dawashko@pa.gov)
Tonya McCloskey (TMcCloskey@paoca.org)
John Evans (jorevan@pa.gov)
Sharon Webb (swebb@pa.gov)

DUQUESNE LIGHT CO.

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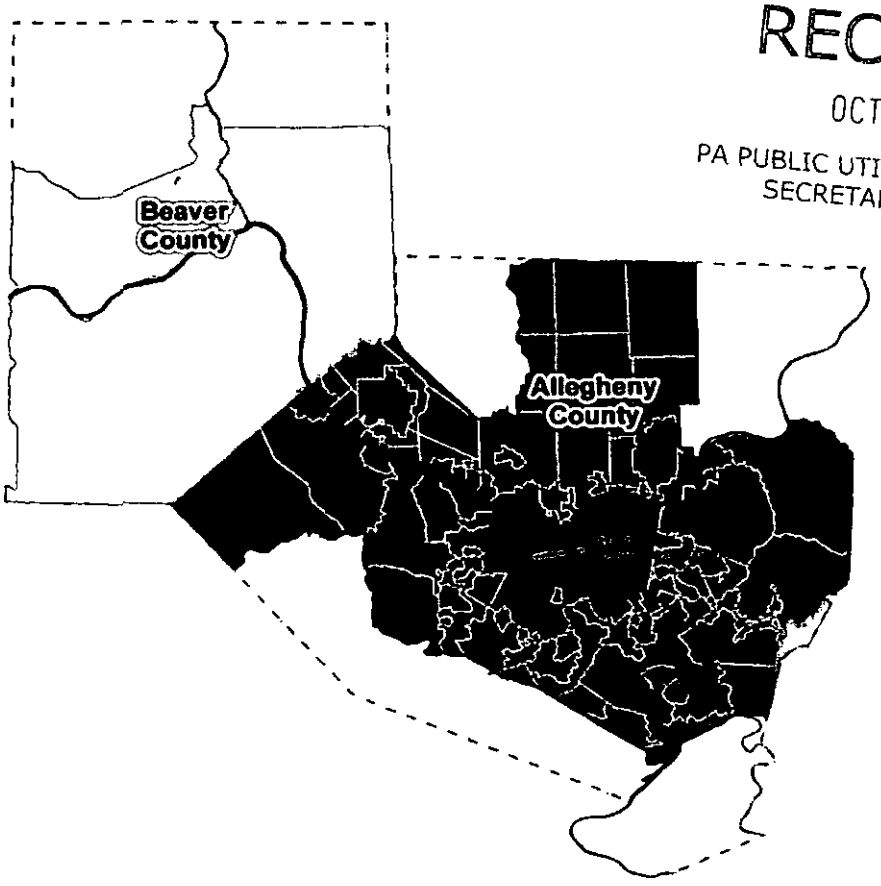

Duquesne Light Company
Second Quarter 2019

Electric Reliability Report

to the

Pennsylvania Public Utility Commission

October 31, 2019

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.*

Duquesne Light had no major events during the third quarter of 2019.

(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
Duquesne Light Company
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	*
2019 3Q (Rolling 12 mo.)	98	0.98	100	*

* 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: (excludes the 11/15/18 and 2/24/19 Major Events that are listed below)	7,095,019 KVA
Total KVA-Minutes Interrupted: (excludes the 11/15/18 and 2/24/19 Major Events that are listed below)	713,638,096 KVA-Minutes
System Connected Load as of 9/30/19	7,259,129
November 15, 2018 Major Event	760,135 KVA (10.5% of System Load) 316,283,090 KVA-Minutes
February 24, 2019 Major Event	1,682,200 KVA (23% of System Load) 784,246,585 KVA-Minutes

(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 KVA-Minutes of outage experienced by customers on these circuits (highest to lowest) and then by device lockouts from 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).

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 Light'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 do not experience problems with 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).

Third Quarter 2019 Rolling 12 Month Circuit Data

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
1 22869 Midland-Cooks Ferry Fuse Link	5 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in. • The cause of one outage was unknown. Previous Outages: • Two outages were caused by tree fall-in. • 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. Proposed for 2022. • This circuit was reviewed by Protection Engineering to identify any potential device coordination issues. Further work to resolve device coordination issues was completed Q1 2019.
2 23871 Mt Nebo Recloser	5 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in, during a storm. Previous Outages: • Four 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. • Vegetation Management completed Q4 2017. Proposed for 2021.
3 23711 Pine Creek Breaker	5 Total Outages Third Quarter Outages: • No outages. Previous Outages: • Four outages were 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. • Vegetation Management completed Q4 2015. Proposed for 2020.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
4 23953 Evergreen Recloser	4 Total Outages Third Quarter Outages: • Two outages were caused by tree fall-in. • One outage was caused by flooding. 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. • Vegetation Management completed Q3 2016. Proposed for 2020.
5 23921 Logans Ferry Fuse Link	4 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in. Previous Outages: • The cause of one outage was unknown. • One outage was caused by wires wrapped together due to high wind, 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 2016. Proposed for 2020.
6 23631 Sewickley Breaker	4 Total Outages Third Quarter Outages: • One outage was caused by equipment failure. Previous Outages: • The cause of one outage was tree fall-in, during a storm. • The cause of one outage was unknown. • 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. • Vegetation Management completed Q3 2017. Proposed for 2021.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
7 23840 Arsenal Recloser	4 Total Outages Third Quarter Outages: • One outage was caused by animal contact. • Two outages were caused by equipment failure. • One outage was caused by wires wrapped together. Previous Outages: • No outages.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Further investigate equipment failures.
8 23869 Wildwood Recloser	4 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in. Previous Outages: • Three 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. • Vegetation Management completed Q4 2016. Proposed for 2020.
9 23714 Pine Creek Fuse Link	4 Total Outages Third Quarter Outages: • One outage was caused by equipment failure. • One outage was caused by tree fall-in. Previous Outages: • One outage was caused by animal contact. • One outage was caused by contact with vehicle.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Vegetation Management completed Q4 2018. Proposed for 2023. • This circuit was reviewed by Protection Engineering to identify any potential device coordination issues. The devices were coordinating properly and no further action is necessary.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
10 22155 Rankin-Wilkinsburg Breaker	4 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in. • The cause of one outage was unknown. 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. • Vegetation Management completed Q4 2017 and Q2 2019. Proposed for 2021 and 2023.
11 23870 Mt Nebo Fuse Link	4 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in, during a storm. Previous Outages: • One outage was caused by tree fall-in, during a storm. • 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. • Vegetation Management completed Q4 2017. Proposed for 2021.
12 23770 Traverse Run Recloser	4 Total Outages Third Quarter Outages: • No outages. Previous Outages: • One outage was caused by tree fall-in, during a storm. • Two outages were caused by tree fall-in. • One outage was caused by high current overload.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Vegetation Management completed Q4 2016. Proposed for 2020.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
13 4484 Manchester Breaker	4 Total Outages Third Quarter Outages: • No outages. Previous Outages: • The cause of one outage was unknown. • Two outages were caused by equipment failure. • 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. • Failed substation equipment has been replaced.
14 23882 Rankin Breaker	3 Total Outages Third Quarter Outages: • One outage was caused by vehicle contact. • One outage was caused by tree fall-in. Previous Outages: • One outage was caused by equipment failure, 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 Q1 2017. Proposed for 2021.
15 23680 Woodville Fuse Link	3 Total Outages Third Quarter Outages: • One outage was caused by a blown fuse, during a storm. Previous Outages: • The cause of one outage was unknown. • 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. • Vegetation Management completed Q2 2016. Proposed for 2020.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
16 23791 Legionville Breaker	3 Total Outages Third Quarter Outages: • No outages. Previous Outages: • One outage was caused by tree fall-in, during a storm. • One outage was caused by equipment failure. • One outage was caused by vehicle contact.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Vegetation Management completed Q3 2019. Proposed for 2024.
17 23716 Pine Creek Breaker	3 Total Outages Third Quarter Outages: • No outages. Previous Outages: • Two outages were 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. • Vegetation Management completed Q1 2019. Proposed for 2023.
18 23713 Pine Creek Breaker	3 Total Outages Third Quarter Outages: • No outages. Previous Outages: • One outage was caused by equipment failure. • The cause of one outage was unknown. • 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. • Vegetation Management completed Q3 2015. Proposed for 2020.
19 23820 Highland Sectionalizer	2 Total Outages Third Quarter Outages: • Two outages were caused by vehicle contact. 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
20 4428 Suffolk Breaker	2 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in, during a storm. 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. • Vegetation Management completed Q1 2019. Proposed for 2023.
21 23762 Wilmerding Sectionalizer	2 Total Outages Third Quarter Outages: • One outage was caused by equipment failure. Previous Outages: • One outage was caused by vehicle contact.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
22 23679 Woodville Fuse Link	2 Total Outages Third Quarter Outages: • One outage was caused by tree fall-in. 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. • Vegetation Management completed Q2 2016. Proposed for 2020.
23 23630 Sewickley Recloser	2 Total Outages Third Quarter Outages: • No outages. Previous Outages: • The cause of one outage was unknown, during a storm. • One outage was caused by vehicle contact.	• 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
24 23841 Arsenal Breaker	2 Total Outages Third 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. • Vegetation Management completed Q4 2018. Proposed for 2022.
25 23781 Valley Fuse Link	2 Total Outages *Third Quarter Outages:* • No outages. Previous Outages: • The cause of two outages were unknown.	• The Company will continue to monitor this circuit for reliability issues.
26 23671 Montour Sectionalizer	1 Total Outage Third Quarter Outages: • One outage was caused by company personnel operator error. Previous Outages: • No outages.	• The operating error was reviewed by subject matter experts and lessons learned have been communicated to all operational company employees. • The Company will continue to monitor this circuit for reliability issues.
27 22556 Logans Ferry-U.S. Gypsum Breaker	1 Total Outage Third Quarter Outages: • One outage was caused by tree fall-in, during a storm. Previous Outages: • No outages.	• Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Vegetation Management completed Q4 2016. Proposed for 2020.

(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.

Oct 1, 2018 through Sep 30, 2019 – Excludes Two PUC Major Events that occurred on November 15, 2018 and February 24, 2019

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	317	10%	912,556	13%	108,888,318	15%
Trees (Contact)	29	1%	5,559	<1%	815,806	<1%
Trees (Falling)	1,105	36%	2,083,739	29%	272,208,617	38%
Equipment Failures	773	25%	2,196,589	31%	204,237,772	29%
Overloads	49	2%	82,087	1%	2,616,976	<1%
Vehicles	176	6%	566,415	8%	53,486,144	7%
Other	606	20%	1,248,074	18%	71,384,463	10%
TOTALS	3,055	100%	7,095,019	100%	713,638,096	100%

In order to provide more specific information on outage causes, Duquesne Light will be expanding its report to include ten categories. Commencing with the fourth quarter report that will be filed on or before February 1, 2020, the Company will report outage causes as follows:

- Storms
- Trees (Inside Right of Way)
- Trees (Outside Right of Way)
- Equipment Failures
- Overloads
- Vehicles
- Contact/Dig-in
- Animal Contact
- Unknown
- Other

These expanded categories are intended to provide more useful information to the Commission and interested parties.

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

2019 Transmission and Distribution Goals and Objectives							
Program Project	**Unit of Measurement**	**Target for 2019 3Q**	**Actual for 2019 3Q**	**3Q Percent Complete**	**Targets for Year 2019**	**Actual YTD for 2019**	**Year End % Complete**
Communications Goals							
Communication Battery Maintenance	Battery Tasks	29	26	90%	117	78	67%
Overhead Distribution Goals							
Recloser Inspections	Circuits	17	2	12%	130	131	101%
Pole Inspections	Poles	10767	17195	160%	17945	18117	101%
OH Line Inspections	Circuits	17	2	12%	130	131	101%
OH Transformer Inspections	Circuits	17	2	12%	130	131	101%
Padmount & Below Grade Insp	Circuits	61	45	74%	81	81	100%
Overhead Transmission Goals							
Helicopter Inspections	Number of Structures	0	0	NA	576	576	100%
Ground Inspections	Number of Structures	0	14	NA	370	366	99%
Substations Goals							
Circuit Breaker Maintenance	Breaker Tasks	132	76	58%	408	425	104%
Station Transformer Maintenance	Transformer Tasks	18	3	17%	44	47	107%
Station Battery Maintenance	Battery Tasks	227	226	100%	906	678	75%
Station Relay Maintenance	Relay Tasks	231	208	90%	865	906	105%
Station Inspections	Site Visits	483	467	97%	1942	1432	74%
Underground Distribution Goals							
Manhole Inspections	Manholes	226	270	119%	700	717	102%
Major Network Insp (Prot Relay)	Network Protectors	20	25	125%	94	97	103%
Minor Network Visual Inspection (Transformer/Protector/Vault)	Network Transformers	190	103	54%	572	570	100%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Orders	94	93	99%	372	277	75%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	385	365	95%	1300	1044	80%
	Total Units	**12885**	**19122**	**148%**	**26682**	**25591**	**96%**

(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 September 30, 2019
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$19,834,941	$16,964,130	$(2,870,811)
Human Resources	4,275,858	3,890,730	(385,128)
Operations/Operation Services	17,747,238	17,458,779	(288,459)
Technology	15,439,315	15,414,399	(24,916)
General Corporate*	10,437,485	8,281,832	(2,155,653)
Total	$67,734,837	$62,009,870	$(5,724,967)

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

Budget Variance Recap – O&M Expenses
For the Nine Months Ending September 30, 2019
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$42,847,472	$46,774,344	$3,926,872
Human Resources	10,421,379	10,933,832	512,453
Operations/Operation Services	51,751,659	51,495,486	(256,173)
Technology	42,391,648	46,722,046	4,330,398
General Corporate*	27,450,987	26,785,549	(665,438)
Total	$174,863,145	$182,711,257	$7,848,112

*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 September 30, 2019
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$4,647,584	$2,268,912	$(2,378,672)
Human Resources	3,336,886	3,176,671	(160,215)
Operations/Operation Services	46,726,562	70,481,746	23,755,184
Technology	11,702,700	16,204,058	4,501,358
General Corporate*	7,847,912	8,078,889	230,977
Total	$74,261,644	$100,210,276	$25,948,632

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

Budget Variance Recap - Capital
For the Nine Months Ending September 30, 2019
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$11,732,473	$6,856,095	$(4,876,378)
Human Resources	8,149,994	9,093,977	943,983
Operations/Operation Services	139,059,434	202,318,168	63,258,734
Technology	40,799,816	50,881,502	10,081,686
General Corporate*	29,000,327	23,964,240	(5,036,087)
Total	$228,742,044	$293,113,982	$64,371,938

*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	4
Electronic Technician	17
Telecom Technician	3
Total Telecom	**24**
Electrical Equipment Technician	38
Protection & Control Technician	27
Yard Group Leader	3
Rigger	6
Laborer	2
Total Substation	**76**
UG Splicer	39
UG Cable Inspector	8
Cable Tester	1
Network Operator	12
Equipment Material Handler	1
Total Underground	**61**
Apprentice T&D	47
Equipment Attendant	1
Lineworker	133
Service Crew Leader	4
Equipment Material Handler	4
Total Overhead	**189**
Right of Way Agent	4
Surveyor	4
Total Real Estate	**8**
Total Street Light Changer	**6**
Engineering Technician	34
GIS Technician	5
T&D Mobile Worker	2
Test Technician, Mobile	6
Total Engineering	**47**
Senior Operator Apprentice	18
Senior Operator	4
Traveling Operator	0
Troubleshooter	11
Total Traveling Operator/Troubleshooter	**33**
Total Switching Dispatcher	**15**
Total Employees	**459**

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

CONFIDENTIAL INFORMATION

3rd Quarter 2019

Contractor Dollars:	**$ redacted**
Contractor Hours:	**redacted**

YTD 2019

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

Call-Out Acceptance Rate – 3rd Quarter 2019

REDACTED

Amount of Time it Takes to Obtain the Necessary Personnel – 3rd Quarter 2019

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

Jason Keller – General Manager, Operations Center
(412) 393-2897, jkeller@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	Circuit KVA	Total KVA Interrupted	Total KVA-Minutes	SAIDI	SAIFI	CAIDI
1	22869	Midland-Cooks Ferry	65K	5	2019-09-27	45166	170953	16692442	369.5798167	3.784993136	97.64345756
2	23871	Mt Nebo	WR853	5	2019-07-11	23485	64897	23190483	987.459357	2.763338301	357.3429126
3	23711	Pine Creek	BKR	5	2019-06-21	22021	114610	6706890	304.5679124	5.204577449	58.51923916
4	23953	Evergreen	ER703	4	2019-09-28	31030	121681	10949312	352.8621334	3.921398646	89.98374438
5	23921	Logans Ferry	100.0	4	2019-09-22	32875	160715	16069564	488.8080304	4.888669202	99.98795383
6	23631	Sewickley	BKR	4	2019-09-08	32880	51128	6716469	204.2721715	1.554987835	131.3657683
7	23840	Arsenal	WR453	4	2019-08-28	39579	128293	8935334	225.7594684	3.241441168	69.64786855
8	23869	Wildwood	100.0	4	2019-07-31	24841	103109	8680788	349.4540477	4.150758826	84.19040045
9	23714	Pine Creek	80E	4	2019-07-31	24285	63689	8355244	344.0495779	2.62256537	131.1881801
10	22155	Rankin-Wilkinsburg	BKR	4	2019-07-30	7032	204207	6828740	971.0949943	29.03967577	33.44028363
11	23870	Mt. Nebo	65K	4	2019-07-11	33379	77631	11231122	336.4726924	2.325743731	144.6731589
12	23770	Traverse Run	WR545	4	2019-06-30	28580	126669	13744525	480.9141008	4.432085374	108.5074091
13	4484	Manchester	BKR	4	2019-06-28	2940	11733	8305903	2825.137075	3.990816327	707.9095713
14	23882	Rankin	BKR	3	2019-09-22	25319	76030	10838708	428.0859434	3.00288321	142.5583059
15	23680	Woodville	80E	3	2019-08-15	27442	113630	7315294	266.5729174	4.140733183	64.37819238
16	23791	Legionville	BKR	3	2019-06-29	16815	48322	8700966	517.4526316	2.873743681	180.0622077
17	23716	Pine Creek	BKR	3	2019-06-26	34563	109405	6832509	197.6827532	3.165379163	62.45152415
18	23713	Pine Creek	BKR	3	2019-06-05	28949	137867	6140995	212.1315071	4.762409755	44.54289279
19	23820	Highland	EA891	2	2019-08-29	32049	60375	8120085	253.3646916	1.883834129	134.4941615
20	4428	Suffolk	BKR	2	2019-08-17	3994	8269	7754748	1941.599399	2.070355533	937.8096505
21	23762	Wilmerding	EA128	2	2019-08-07	17169	192497	6889239	401.260353	11.21189353	35.78881229
22	23679	Woodville	80E	2	2019-07-31	18070	52498	7614592	421.3941339	2.905257333	145.0453732
23	23630	Sewickley	WR66	2	2019-05-29	26399	33362	6523094	247.0962536	1.263759991	195.5246688
24	23841	Arsenal	BKR	2	2019-04-26	34765	94143	9459161	272.0886236	2.707982166	100.4765198
25	23781	Valley	40K	2	2019-01-30	21397	25688	8095081	378.3278497	1.200542132	315.1308393
26	23673	Montour	EA792	1	2019-08-27	45633	74712	7840121	171.8081432	1.637236211	104.9379082
27	22556	Logans Ferry-U.S. Gypsum	BKR	1	2019-07-07	3750	17627	6802115	1813.897333	4.700533333	385.8918137

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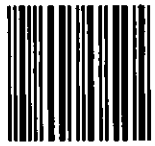

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Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
2nd Floor, Room-N201
400 North Street
Harrisburg, PA 17120