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Shelby A. Linton-Keddie
Manager, State Regulatory Strategy and Senior Legal Counsel
slinton-keddie@duqlight.com

April 2, 2018

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

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APR - 2 2018

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

**Re: Duquesne Light Company
Quarterly Electric Reliability Report –4th Quarter 2017
Docket No. M-2016-2522508**

Dear Secretary Chiavetta:

We were advised that when mailing our 4th Quarter 2017 Reliability Report we inadvertently enclosed the 3rd Quarter 2017 Report. Enclosed please find the 4th Quarter 2017 Reliability Report that was electronically delivered to the Bureau of Technical Utility Services, the Office of Consumer Advocate and the Office of Small Business Advocate on January 31, 2018. Duquesne Light respectfully requests that the enclosed report replace the version that is currently posted at the above referenced docket and in the Secretary's file.

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 for Q4 2017 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. Thank you for your assistance with this request.

Respectfully submitted,

A handwritten signature in cursive script that reads 'Shelby Linton-Keddie'.

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

Enclosure

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Shelby A. Linton-Keddle
Manager, State Regulatory Strategy and Senior Legal Counsel
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January 31, 2018

Via Certified Mail
7016 0600 0000 8676 2018

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

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Re: **Duquesne Light Company**
Quarterly Electric Reliability Report -4th Quarter 2017

Dear Secretary Chiavetta:

Enclosed please find Duquesne Light Company's Quarterly Electric Reliability Report for the Fourth Quarter of 2017.

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.

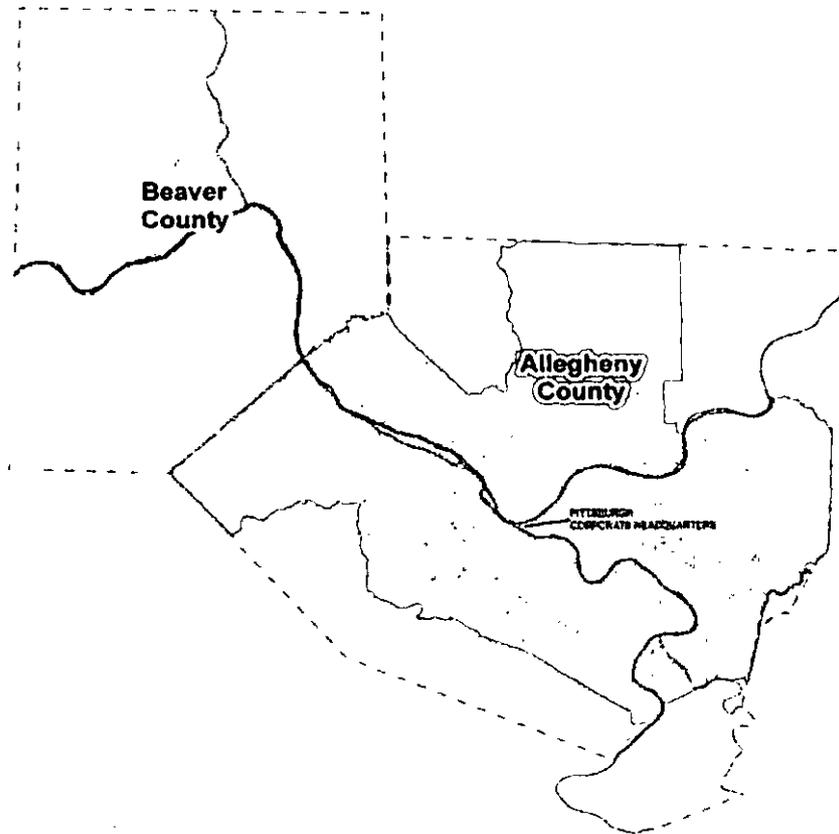
Sincerely,

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

Enclosure

cc (w/ redacted version):

Bureau of Technical Utility Services (dsearfoorc@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 Company
Fourth Quarter 2017***

Electric Reliability Report

to the

Pennsylvania Public Utility Commission

January 31, 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 fourth quarter of 2017.

(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**

	SAIDI	SAIFI	CAIDI	MAIFI ¹
Benchmark	126	1.17	108	
12 Month Standard	182	1.40	130	
2017 4Q (Rolling 12 mo.)	112	0.97	115 ²	

Formulas used in calculating the indices:

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

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

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

Data used in calculating the indices

Total KVA Interrupted for the Period	7,069,591 KVA
Total KVA-Minutes Interrupted:	812,332,647 KVA-Minutes
System Connected Load as of 12/31/17:	7,259,129 KVA

¹ Sufficient information to calculate MAIFI is unavailable.

² The Company's 2017 CAIDI performance was the result of significantly increased storm activity. There were six reportable storms in 2017, which was the most since 2010.

(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).

Fourth Quarter 2017 Rolling 12 Month Circuit Data

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>1 Traverse Run 23770 RECLOSER 100</p>	<p>5 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. Previous Outages: <ul style="list-style-type: none"> • The cause of one outage was unknown, during a storm. • One outage was caused by equipment failure, during a storm. • Two outages were caused by tree fall in. </p>	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Vegetation Management addressed identified reliability concerns Q4 2017. • Protection Engineering will check this circuit for potential coordination issues by end of Q2 2018.
<p>2 Wilmerding 23763 BREAKER</p>	<p>5 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • Five outages were caused by equipment failure. </p>	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Routine vegetation maintenance was performed in 2012 and 2017.
<p>3 Midland-Cooks Ferry 22869 WR875</p>	<p>4 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • Two outages were caused by tree fall in. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. • The cause of one outage was unknown. </p>	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>4</p> <p>Pine Creek 22713</p> <p>WR1004</p>	<p>4 Total Outages:</p> <p>Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • The cause of two outages were unknown. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were caused by contact with company equipment by vehicle. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
<p>5</p> <p>Pine Creek 23714</p> <p>80E</p>	<p>4 Total Outages:</p> <p>Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by tree fall in. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outage were caused by tree fall in, one during a storm. • One outage was caused by excessive vine growth. 	<ul style="list-style-type: none"> • 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 2012 and is scheduled for 2018. • Protection Engineering will check this circuit for potential coordination issues by end of Q2 2018.
<p>6</p> <p>Pine Creek 23712</p> <p>80E</p>	<p>4 Total Outages:</p> <p>Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • The cause of one outage was unknown. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was caused by equipment failure. • Two outages were caused by tree fall in, one during a storm. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>7</p> <p>Findlay 23610</p> <p>BREAKER</p>	<p>4 Total Outages:</p> <p>Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was caused by tree fall in, during a storm. • The cause of one outage was unknown, during a storm. • One outage was caused by equipment failure. • One outage was caused by lightning strike. 	<ul style="list-style-type: none"> • 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 Q2 2018.
<p>8</p> <p>Mt. Nebo 23870</p> <p>RECLOSER 600</p>	<p>4 Total Outages:</p> <p>Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages <p>Previous Outages:</p> <ul style="list-style-type: none"> • Three outages were caused by tree fall in, one during a storm. • The cause of one outage was unknown. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Routine vegetation maintenance was completed in 2017. • The Company's Asset Management Department recently performed three recloser upgrades.
<p>9</p> <p>Sewickley 23631</p> <p>80E</p>	<p>4 Total Outages:</p> <p>Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages <p>Previous Outages:</p> <ul style="list-style-type: none"> • Four outages were caused by tree fall in. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Routine vegetation maintenance was completed in 2017. • The Company's Asset Management Department recently performed three recloser upgrades.

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>10 Montour 23670 WA527</p>	<p>4 Total Outages: Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was caused by equipment failure. • One outage was caused by tree fall in. • One outage was caused by contact with company equipment by vehicle. • The cause of one outage was unknown, during a storm. 	<ul style="list-style-type: none"> • 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 Q2 2018.
<p>11 Wilmerding 23762 EA567</p>	<p>4 Total Outages: Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was caused by equipment failure. • One outage was caused by tree fall in. • One outage was caused by contact with company equipment by vehicle. • The cause of one outage was unknown, during a storm. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
<p>12 Pine Creek 23710 80E</p>	<p>4 Total Outages: Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Four outages were caused by tree fall in. 	<ul style="list-style-type: none"> • 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 2012 and is scheduled for 2018. • Protection Engineering will check this circuit for potential coordination issues by end of Q2 2018.

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>13 Logans Ferry 23921 100K</p>	<p>4 Total Outages: Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • The cause of one outage was unknown. • One outage was caused by a leaning pole, during a storm. • One outage was caused by equipment failure. • One outage was caused by tree fall in, during a storm. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.
<p>14 Wilson 23860 40K</p>	<p>3 Total Outages: Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • The cause of two outages were unknown. • One outage was caused by equipment failure. 	<ul style="list-style-type: none"> • 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 Q2 2018.
<p>15 Wildwood 23869 40K</p>	<p>3 Total Outages: Fourth Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • The cause of one outage was unknown. • Two outages were caused by tree fall in. 	<ul style="list-style-type: none"> • 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 2016 and is proposed for 2020.

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>16 Dravosburg 23750 65K</p>	<p>3 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • Two outage were caused by equipment failure. one during a storm. • One outage was caused by contact with company equipment by animal, bird, or reptile. </p>	<ul style="list-style-type: none"> • 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 Q2 2018.
<p>17 Evergreen 23953 ER703</p>	<p>3 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. • One outage was caused by high current overload. • One outage was caused by tree fall in. </p>	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. The Company will continue to monitor this circuit for reliability issues.
<p>18 California 23837 80E</p>	<p>3 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • Two outages were caused by tree fall in. • The cause of one outage was unknown. </p>	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Routine vegetation maintenance was completed in Q3 2017.

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
19 Crescent 23660 65K	3 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • Two outages were caused by equipment failure, during a storm. • One Outage was caused by tree fall in, during a storm. 	<ul style="list-style-type: none"> • 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 Q2 2018.
20 Brunot Is. 23572 BREAKER	3 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • Two outages were caused by equipment failure. • One outage was caused by contact with company equipment by vehicle. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues
21 Bryn Mawr 23769 80E	2 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues
22 Mt. Nebo 23870 20K	2 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. • The cause of one outage was unknown. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues.

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
23 Valley 23781 100K	2 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • Two outages were caused by tree fall in. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues. • Vegetation maintenance was last performed in 2013 is scheduled for 2018.
24 Pine Creek- West Deer 22540 BREAKER	2 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. • The cause of one outage was unknown, during a storm. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues
25 Brentwood 23810 100K	2 Total Outages: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by equipment failure. • The cause of one outage was unknown. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues
26 Oakland 23745 80E	1 Total Outage: Fourth Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by equipment failure. Previous Outages: <ul style="list-style-type: none"> • No outages. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • The Company will continue to monitor this circuit for reliability issues

Duquesne Light Company
 Fourth Quarter 2017 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
27 Evergreen 23954 EA48	1 Total Outage: Fourth Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. during a storm. 	<ul style="list-style-type: none"> • 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.

January 1, 2017 through December 31, 2017 – No PUC Major Event Exclusions

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	975	30%	2,166,639	31%	361,584,556	45%
Trees (Contact)	27	1%	2,208	1%	283,764	1%
Trees (Falling)	831	26%	1,516,585	21%	165,982,123	20%
Equipment Failures	628	19%	1,803,197	26%	157,179,133	19%
Overloads	35	1%	88,258	1%	7,090,861	1%
Vehicles	164	5%	510,456	7%	57,302,162	7%
Other	595	18%	982,248	13%	62,910,048	7%
TOTALS	3,255	100%	7,069,591	100%	812,332,647	100%

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

2017 Transmission and Distribution Goals and Objectives							
Program Project	Unit of Measurement	Target for 2017 4Q	Actual for 2017 4Q	4Q Percent Complete	Targets for Year 2017	Actual YTD for 2017	Year End % Complete
Communications Goals							
Communication Battery Maintenance	Battery Tasks	25	25	100%	100	101	101%
Overhead Distribution Goals							
Recloser Inspections	Circuits	28	18	64%	130	130	100%
Pole Inspections	Poles	4,475	15,314	342%	17,945	22,841	127%
OH Line Inspections	Circuits	28	18	64%	130	130	100%
OH Transformer Inspections	Circuits	28	18	64%	130	130	100%
Padmount & Below Grade Insp	Circuits	18	0	0%	81	81	100%
Overhead Transmission Goals							
Helicopter Inspections	Number of Structures	0	0	NA	625	693	111%
Ground Inspections	Number of Structures	0	363	NA	336	363	108%
Substations Goals							
Circuit Breaker Maintenance	Breaker Tasks	86	83	97%	501	602	120%
Station Transformer Maintenance	Transformer Tasks	10	12	120%	78	88	113%
Station Battery Maintenance	Battery Tasks	234	245	105%	936	977	104%
Station Relay Maintenance	Relay Tasks	240	248	103%	1,580	1,701	108%
Station Inspections	Site Visits	510	513	101%	2,040	2,050	100%
Underground Distribution Goals							
Manhole Inspections	Manholes	0	130	NA	700	709	101%
Major Network Insp (Prot Relay)	Network Protectors	0	27	NA	92	92	100%
Minor Network Visual Inspection (Transformer/Protector/Vault)	Network Transformers	0	116	NA	562	601	107%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Orders	92	104	113%	371	396	107%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	335	251	75%	1,300	1,318	101%
Total Units		6,109	17,485	286%	27,637	33,003	119%

(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 December 31, 2017
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	13,433,154	12,901,373	(531,781)
Human Resources	4,675,736	4,366,324	(309,413)
Operations/Operation Services	13,850,149	15,546,849	1,696,700
Technology	13,300,651	12,381,053	(919,598)
General Corporate*	16,800,566	12,875,442	(3,925,124)
Total	62,060,257	58,071,040	(3,989,217)

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

Budget Variance Recap – O&M Expenses
 For the Twelve Months Ending December 31, 2017
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	52,413,067	55,970,179	3,557,113
Human Resources	15,258,738	16,335,411	1,076,674
Operations/Operation Services	59,284,669	64,737,900	5,453,231
Technology	50,836,897	48,834,711	(2,002,186)
General Corporate*	55,691,170	53,743,855	(1,947,315)
Total	233,484,541	239,622,058	6,137,517

*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 December 31, 2017
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	2,864,514	2,048,310	(816,204)
Human Resources	3,650,131	3,767,649	117,518
Operations/Operation Services	39,728,684	33,856,255	(5,872,429)
Technology	24,985,001	20,859,090	(4,125,911)
General Corporate*	8,717,573	3,614,353	(5,103,220)
Total	79,945,903	64,145,657	(15,800,246)

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

Budget Variance Recap - Capital
 For the Twelve Months Ending December 31, 2017
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	8,969,265	8,192,738	(776,527)
Human Resources	11,509,964	10,897,845	(612,119)
Operations/Operation Services	151,528,229	149,606,229	(1,922,000)
Technology	78,289,228	83,432,478	5,143,250
General Corporate*	35,796,373	20,405,771	(15,390,602)
Total	286,093,059	272,535,061	(13,557,998)

*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	4
Total Telecom	26
Electrical Equipment Technician	34
Protection & Control Technician	27
Yard Group Leader	2
Rigger	6
Laborer	3
Total Substation	72
UG Splicer	40
UG Cable Inspector	8
Cable Tester	1
Network Operator	12
Equipment Material Handler	1
Total Underground	62
Apprentice T&D	68
Equipment Attendant	0
Lineworker	133
Service Crew Leader	3
Equipment Material Handler	5
Total Overhead	209
Right of Way Agent	3
Surveyor	4
Total Real Estate	7³
Total Street Light Changer	5
Engineering Technician	38
GIS Technician	6
T&D Mobile Worker	3
Test Technician, Mobile	6
Total Engineering	53
Senior Operator	22
Traveling Operator	3
Troubleshooter	15
Total Traveling Operator/Troubleshooter	40
Total Switching Dispatcher	13
Total Employees	487

³ Right of Way Agents and Surveyors previously under Engineering are now under their own category Real Estate.

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

CONFIDENTIAL INFORMATION

4th Quarter 2017

Contractor Dollars:	REDACTED
Contractor Hours:	REDACTED

YTD 2017

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 – 4th Quarter 2017

REDACTED

Amount of Time it Takes to Obtain the Necessary Personnel – 4th Quarter 2017

REDACTED

Duquesne Light Company
Fourth Quarter 2017 Electric Reliability Report

(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.*

Glenn E Smith Jr. – Sr. Manager, Operations Compliance & Regulatory Reporting
(412) 393-8318, gsmith@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	Circuit KVA	Total KVA Interrupted	Total KVA-Minutes	SAIDI	SAIFI	CAIDI
1	23770	Traverse Run	R100	5	11/18/2017	19469	12001428	89035	616.438	4.5732	134.794
2	23763	Wilmerding	BKR	5	8/19/2017	22292	8612989	112868	386.371	5.0632	76.310
3	22869	Midland-Cooks Ferry	WR875	4	12/25/2017	37666	17309349	113712	459.548	3.0190	152.221
4	23713	Pine Creek	WR1004	4	11/2/2017	28333	7467431	77567	263.559	2.7377	96.271
5	23714	Pine Creek	80E	4	10/8/2017	22571	21349873	133361	945.898	5.9085	160.091
6	23712	Pine Creek	80E	4	10/4/2017	19499	7949983	49558	407.712	2.5416	160.418
7	23610	Findlay	BKR	4	8/23/2017	36227	26996251	109029	745.197	3.0096	247.606
8	23870	Mt. Nebo	R600	4	8/19/2017	26795	13691495	74703	510.972	2.7879	183.279
9	23631	Sewickley	80E	4	7/24/2017	27067	10163122	72935	375.480	2.6946	139.345
10	23670	Montour	WA527	4	7/11/2017	29540	9427113	81950	319.130	2.7742	115.035
11	23762	Wilmerding	EA567	4	7/10/2017	17148	7611458	34805	443.869	2.0297	218.689
12	23710	Pine Creek	80E	4	7/6/2017	31769	8520466	78206	268.201	2.4617	108.949
13	23921	Logans Ferry	100K	4	6/15/2017	32875	11796884	83985	358.841	2.5547	140.464
14	23860	Wilson	40K	3	8/7/2017	26570	7964358	88084	299.750	3.3152	90.418
15	23869	Wildwood	40K	3	7/10/2017	18745	11184816	51239	596.683	2.7335	218.287
16	23750	Dravosburg	65K	3	6/30/2017	35960	17051630	97409	474.183	2.7088	175.052
17	23953	Evergreen	ER703	3	6/19/2017	31030	8227224	71525	265.138	2.3050	115.026
18	23837	California	80E	3	5/27/2017	18878	9016098	165358	477.598	8.7593	54.525
19	23660	Crescent	65K	3	5/1/2017	31128	8589931	44517	275.955	1.4301	192.958
20	23572	Brunot Is	BKR	3	4/13/2017	20637	7957296	75219	385.584	3.6449	105.788
21	23769	Bryn Mawr	80E	2	10/29/2017	19880	9491431	50287	477.436	2.5295	188.745
22	23871	Mt Nebo	20K	2	9/5/2017	17687	13947022	82588	788.547	4.6694	168.875
23	23781	Valley	100K	2	6/23/2017	18340	11907975	41699	649.290	2.2737	285.570
24	22540	Pine Creek-West Deer	BKR	2	6/15/2017	2000	8733144	12456	4,366.572	6.2280	701.119
25	23810	Brentwood	100K	2	6/3/2017	18622	16754621	136667	899.722	7.3390	122.594
26	23745	Oakland	80E	1	12/26/2017	28489	7549506	30365	264.997	1.0658	248.625
27	23954	Evergreen	EA48	1	8/19/2017	22613	8732261	46912	386.161	2.0746	186.141

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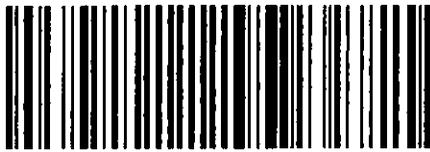
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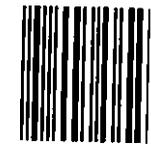
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