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Shelby A. Linton-Keddie
Manager, State Regulatory Strategy and Senior Legal Counsel
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April 27, 2018

Via Certified Mail
7016 0600 0000 8677 6183

RECEIVED

APR 27 2018

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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 –1st Quarter 2018

Dear Secretary Chiavetta:

Enclosed please find Duquesne Light Company's Quarterly Electric Reliability Report for the First 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,

A handwritten signature in black ink that reads "Shelby A. Linton-Keddie". The signature is written in a cursive style.

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

Enclosure

cc (w/ redacted version):

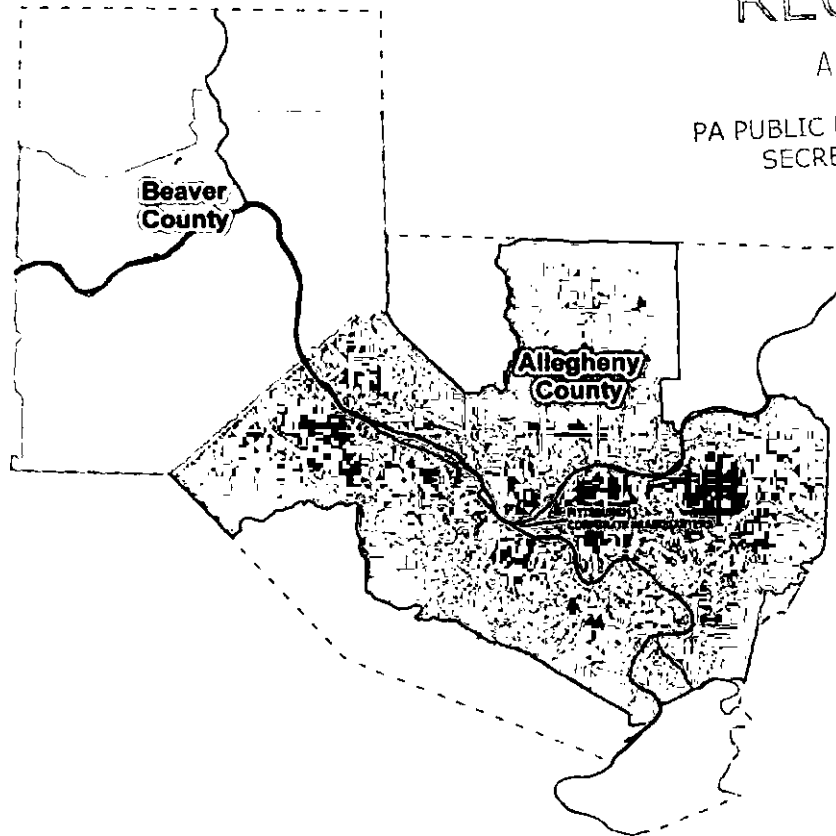
Bureau of Technical Utility Services (dsearfoorc@pa.gov, dawashko@pa.gov)
Office of Consumer Advocate (TMcCloskey@paoca.org)
Office of Small Business Advocate (jorevan@pa.gov, swebb@pa.gov)



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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU



***Duquesne Light Company
First Quarter 2018***

Electric Reliability Report

to the

Pennsylvania Public Utility Commission

April 27, 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 first 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**

	SAIDI	SAIFI	CAIDI	MAIFI ¹
Benchmark	126	1.17	108	
12 Month Standard	182	1.40	130	
2018 1stQ (Rolling 12 mo.)	97	0.85	114	

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	6,157,390 KVA
Total KVA-Minutes Interrupted:	703,962,599 KVA-Minutes
System Connected Load as of 3/31/18:	7,259,129 KVA

¹ Sufficient information to calculate MAIFI is unavailable.

(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 Midland 23640 Recloser 100</p>	<p>5 Total Outages: First 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 down line, 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 was last performed in 2013 and is scheduled for 2018.
<p>2 Universal 23733 Recloser 100</p>	<p>5 Total Outages: First Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • Five outages were caused by tree fall in, one during a storm. </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 was last performed in 2013 and is scheduled for 2018.
<p>3 Raccoon 23620 Fuse Link 100K</p>	<p>5 Total Outages: First Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall in. • One outage was caused by equipment failure. Previous Outages: <ul style="list-style-type: none"> • The cause of two outages were unknown. • One outage was caused by excessive vine growth. </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 was last performed in 2014 and is proposed for 2019.

Duquesne Light Company
 First Quarter 2018 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>4</p> <p>Midland-Cooks Ferry 22869</p> <p>Recloser WR875</p>	<p>4 Total Outages:</p> <p>First 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. • 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. • Vegetation Management completed Q4 2017. • Continue to monitor for reliability concerns.
<p>5</p> <p>Wilmerding 23763</p> <p>Breaker</p>	<p>4 Total Outages:</p> <p>First 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 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.
<p>6</p> <p>Pine Creek 23712</p> <p>Fuse Link 80E</p>	<p>4 Total Outages:</p> <p>First 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. • The cause of two outages were unknown, one during a storm. • 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. • Routine vegetation maintenance was last performed in 2013 and is scheduled for 2018.
<p>7</p> <p>Wilmerding 23764</p> <p>Fuse Link 100K</p>	<p>3 Total Outages:</p> <p>First 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"> • 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.

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Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>8</p> <p>California 23837</p> <p>Fuse Link 80E</p>	<p>3 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were 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. • Routine vegetation management was completed in Q3 2017.
<p>9</p> <p>Logans Ferry 23921</p> <p>Recloser 100</p>	<p>3 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were caused by tree fall in, during a storm. • 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>10</p> <p>Pine Creek 23714</p> <p>Fuse Link 80E</p>	<p>3 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were caused by tree fall in, one during a storm. • One outage was caused by excessive vegetation 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 2013 and is scheduled for 2018. • Protection Engineering will check this circuit for potential coordination issues by end of Q2 2018.
<p>11</p> <p>Dravosburg 23750</p> <p>Fuse Link 80E</p>	<p>3 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. <p>Previous Outages:</p> <ul style="list-style-type: none"> • The cause of two outages were 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.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>12</p> <p>Chess 23688</p> <p>Sectionalizer EA306</p>	<p>3 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <ul style="list-style-type: none"> • Two outages were caused by contact with company equipment by vehicle. • 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.
<p>13</p> <p>Traverse Run 23770</p> <p>Fuse Link 100K</p>	<p>3 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. <p>Previous Outages:</p> <ul style="list-style-type: none"> • One outage was caused by lightning. • One outage was caused by contact with company equipment by animal, bird, or reptile. 	<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>14</p> <p>Montour 23670</p> <p>Fuse Link 100K</p>	<p>3 Total Outages:</p> <p>First 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"> • The cause of one outage was unknown, during a storm. • 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. • Protection Engineering will check this circuit for potential coordination issues by end of Q2 2018. • Vegetation Management completed Q1 2018.

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Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
15 Wilson 23860 Fuse Link 40K	3 Total Outages: First Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <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.
16 Wildwood 23869 Fuse Link 40K	3 Total Outages: First 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. 	<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.
17 Highland 23820 Sectionalizer EA891	3 Total Outages: First 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, one during a storm. • 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.
18 Brentwood 23810 Fuse Link 100K	2 Total Outages: First Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • The cause of one outage was 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.

Duquesne Light Company
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Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>19</p> <p>Pine Creek 23710</p> <p>Recloser WR383</p>	<p>2 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by equipment damage, during a storm. <p>Previous Outages:</p> <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. • 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>20</p> <p>East Pittsburgh 4620</p> <p>Fuse Link 65K</p>	<p>2 Total Outages:</p> <p>First 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"> • 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. • Routine vegetation maintenance was last performed in 2017 and is scheduled for 2021.
<p>21</p> <p>Valley 23781</p> <p>Fuse Link 100K</p>	<p>2 Total Outages:</p> <p>First Quarter Outages:</p> <ul style="list-style-type: none"> • No outages. <p>Previous Outages:</p> <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.
<p>22</p> <p>Findlay 23610</p> <p>Fuse Link 65K</p>	<p>2 Total Outages:</p> <p>First 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 lightning. • One outage was caused by contact with company equipment by animal, bird, or reptile. 	<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.

Duquesne Light Company
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Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
23 Wilmerding-Rankin No. 1 22153 Breaker	2 Total Outages: First Quarter Outages: <ul style="list-style-type: none"> • No outages. Previous Outages: <ul style="list-style-type: none"> • One outage was caused by equipment damage, during a storm. • 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.
24 Pine Creek-West Deer 22540 Breaker	2 Total Outages: First Quarter Outages: <ul style="list-style-type: none"> • No outages. 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. 	<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 Crescent 23660 Fuse Link 80E	1 Total Outage: First Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. 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. • Protection Engineering will check this circuit for potential coordination issues by end of Q2 2018.
26 Bryn Mawr 23769 Recloser ER112	1 Total Outage: First 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
 First Quarter 2018 Electric Reliability Report

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
27 Oakland 23745 Fuse Link 80E	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 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.

(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.

April 1, 2017 through March 31, 2018 – No PUC Major Event Exclusions

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	KVA TOTAL	KVA PERCENTAGE	KVA-MINUTE TOTAL	KVA-MINUTE PERCENTAGE
Storms	745	25%	1,744,956	28%	278,951,477	40%
Trees (Contact)	25	1%	2,178	1%	278,443	1%
Trees (Falling)	773	26%	1,366,356	22%	146,300,342	21%
Equipment Failures	627	21%	1,618,892	26%	158,409,185	23%
Overloads	48	2%	104,087	2%	7,959,988	1%
Vehicles	173	6%	488,398	8%	55,012,515	8%
Other	598	19%	832,523	13%	57,050,649	6%
TOTALS	2,989	100%	6,157,390	100%	703,962,599	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 2018 1Q	Actual for 2018 1Q	1Q Percent Complete	Targets for Year 2018	Actual YTD for 2018	Year End % Complete
Communications Goals							
Communication Battery Maintenance	Battery Tasks	31	26	84%	124	26	21%
Overhead Distribution Goals							
Recloser Inspections	Circuits	48	36	75%	130	36	28%
Pole Inspections	Poles	0	0	0%	17,393	0	0%
OH Line Inspections	Circuits	48	36	75%	130	36	28%
OH Transformer Inspections	Circuits	48	36	75%	130	36	28%
Padmount & Below Grade Insp	Circuits	0	12	NA	80	12	15%
Overhead Transmission Goals							
Helicopter Inspections	Number of Structures	0	0	0%	533	0	0%
Ground Inspections	Number of Structures	191	277	145%	383	277	72%
Substations Goals							
Circuit Breaker Maintenance	Breaker Tasks	175	165	94%	610	165	27%
Station Transformer Maintenance	Transformer Tasks	5	8	160%	52	8	15%
Station Battery Maintenance	Battery Tasks	247	245	99%	988	245	25%
Station Relay Maintenance	Relay Tasks	264	290	110%	1391	290	21%
Station Inspections	Site Visits	513	513	100%	2016	513	25%
Underground Distribution Goals							
Manhole Inspections	Manholes	180	133	74%	700	133	19%
Major Network Insp (Prot Relay)	Network Protectors	5	7	140%	92	7	8%
Minor Network Visual Inspection (Transformer/Protector/Vault)	Network Transformers	144	322	224%	576	322	56%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Orders	93	90	97%	372	90	24%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	311	288	93%	1,300	288	22%
Total Units		2303	2484	108%	27000	2484	9%

(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 March 31, 2018
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	20,112,829	16,383,156	(3,729,673)
Human Resources	3,378,273	3,872,768	494,495
Operations/Operation Services	15,279,820	16,291,650	1,011,830
Technology	11,866,417	12,916,689	1,050,272
General Corporate*	13,626,701	13,345,004	(281,697)
Total	64,264,040	62,809,267	(1,454,773)

*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 March 31, 2018
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	2,122,879	2,671,455	548,576
Human Resources	2,555,796	2,894,748	338,952
Operations/Operation Services	35,603,667	57,725,836	22,122,169
Technology	22,139,112	14,631,316	(7,507,796)
General Corporate*	10,340,247	8,176,393	(2,163,854)
Total	72,761,701	86,099,748	13,338,047

*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	36
Protection & Control Technician	26
Yard Group Leader	3
Rigger	6
Laborer	2
Total Substation	73
UG Splicer	37
UG Cable Inspector	9
Cable Tester	1
Network Operator	12
Equipment Material Handler	1
Total Underground	60
Apprentice T&D	62
Equipment Attendant	0
Lineworker	134
Service Crew Leader	3
Equipment Material Handler	4
Total Overhead	203
Right of Way Agent	4
Surveyor	3
Total Real Estate	7
Total Street Light Changer	6
Engineering Technician	37
GIS Technician	5
T&D Mobile Worker	3
Test Technician, Mobile	6
Total Engineering	51
Senior Operator	23
Traveling Operator	1
Troubleshooter	13
Total Traveling Operator/Troubleshooter	37
Total Switching Dispatcher	14
Total Employees	476

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

CONFIDENTIAL INFORMATION

1st 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

Call-Out Acceptance Rate – 1st Quarter 2018

REDACTED

Amount of Time it Takes to Obtain the Necessary Personnel – 1st 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.*

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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	23640	Midland	100	5	3/30/2018	28675	6709828	58852	233.996	2.0524	114.012
2	23733	Universal	100	5	3/26/2018	30158	7200752	52218	238.768	1.7315	137.898
3	23620	Raccoon	100K	5	3/21/2018	24741	7799778	35396	315.257	1.4307	220.358
4	22869	Midland-Cooks Ferry	WR875	4	3/31/2018	37666	10394176	104891	275.956	2.7848	99.095
5	23763	Wilmerding	BKR	4	3/17/2018	22292	8068444	110211	361.943	4.9440	73.209
6	23712	Pine Creek	80E	4	3/5/2018	19499	6668243	36705	341.979	1.8824	181.671
7	23764	Wilmerding	100K	3	3/31/2018	24436	7286784	14725	298.199	0.6026	494.858
8	23837	California	80E	3	3/27/2018	18878	7352776	150671	389.489	7.9813	48.800
9	23921	Logans Ferry	100	3	3/23/2018	32875	10636825	57326	323.554	1.7438	185.550
10	23714	Pine Creek	80E	3	3/21/2018	22571	14198108	98573	629.042	4.3672	144.036
11	23750	Dravosburg	80E	3	3/20/2018	35960	17290164	83761	480.817	2.3293	206.423
12	23688	Chess	EA306	3	3/19/2018	26214	7322997	87702	279.354	3.3456	83.499
13	23770	Traverse Run	100K	3	3/11/2018	19469	9335066	62235	479.484	3.1966	149.997
14	23670	Montour	100K	3	3/7/2018	29540	6610452	48944	223.780	1.6569	135.062
15	23860	Wilson	40K	3	3/3/2018	26570	7974256	88202	300.123	3.3196	90.409
16	23869	Wildwood	40K	3	2/6/2018	18745	9708013	43787	517.899	2.3359	221.710
17	23820	Highland	EA891	3	2/1/2018	32049	6984783	87976	217.941	2.7450	79.394
18	23810	Brentwood	100K	2	3/31/2018	18622	16530807	141775	887.703	7.6133	116.599
19	23710	Pine Creek	WR383	2	3/7/2018	31769	7936238	59490	249.811	1.8726	133.405
20	4620	East Pittsburgh	65K	2	3/1/2018	4545	6784430	7997	1492.724	1.7595	848.372
21	23781	Valley	100K	2	2/25/2018	18340	8516843	36155	464.386	1.9714	235.565
22	23610	Findlay	65K	2	2/1/2018	36227	23081446	77896	637.134	2.1502	296.311
23	22153	Wilmerding-Rankin No.1	BKR	2	1/23/2018	9160	6783280	27968	740.533	3.0533	242.537
24	22540	Pine Creek-West Deer	BKR	2	6/15/2017	2000	8733144	12456	4366.572	6.2280	701.119
25	23660	Crescent	80E	1	3/29/2018	31128	7957689	40631	255.644	1.3053	195.853
26	23769	Bryn Mawr	ER112	1	3/1/2018	19880	9699055	55879	487.880	2.8108	173.572
27	23745	Oakland	80E	1	2/5/2018	28489	7794778	30984	273.607	1.0876	251.574