Lindsay Baxter
Manager, Regulatory and Clean Energy Strategy
lbaxter@duqlight.com
(412) 393-6224

DLC
—DUQUESNE LIGHT CO.—

July 29, 2022

VIA ELECTRONIC FILING

DATE OF DEPOSIT

JUL 29 2022

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 – 2nd Quarter 2022
Docket No. M-2016-2522508

Dear Secretary Chiavetta:

The report is submitted in two versions, proprietary and non-proprietary. Enclosed is the **non-propriety** version, which can be made available to the public at the above-referenced docket. The proprietary version has been submitted via overnight mail to the Secretary.

If you have any questions regarding the information contained in this filing, please feel free to contact me.

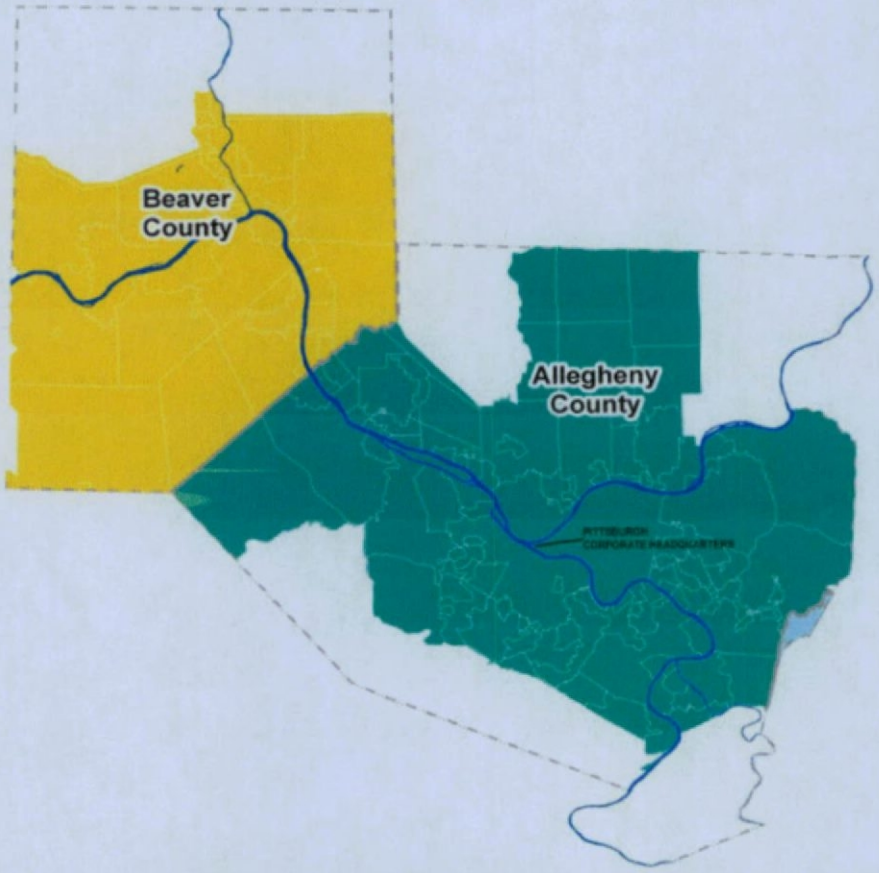
Sincerely,

LBQ

Lindsay A. Baxter
Manager, Regulatory and Clean Energy Strategy

Enclosure
cc (w/ redacted version):
Dan Searfoorce (dsearfoorc@pa.gov)
Harry Bidelspach (hbidelspac@pa.gov)
John Van Zant (jvanzant@pa.gov)
Patrick Cicero (pcicero@paoca.org)
Steven Gray (sgray@pa.gov)
Sharon Webb (swebb@pa.gov)

DUQUESNE LIGHT CO.



Duquesne Light Company
Second Quarter 2022

Electric Reliability Report

to the

Pennsylvania Public Utility Commission

July 29, 2022

57.195 Reporting Requirements

(e)(1) *A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.*

No major events occurred during the second quarter of 2022.

(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	*
2022 2Q (Rolling 12 mo.)	162	0.98	166	*

* Sufficient information to calculate MAIFI is unavailable.

Duquesne Light has been a strong performer in reliability over the past 15 years. The Company's success in this area can be at least partially attributed to the wide deployment of intelligent devices on the system that can quickly isolate a fault to the least number of customers.

Through the second quarter of 2022 (rolling 12 months), Duquesne Light's CAIDI is above both the benchmark and the 12-month standard, SAIDI is above the benchmark, and SAIFI performance is below both the benchmark and standard. The increase in CAIDI and SAIDI is primarily attributable to weather impacts. Over the past decade, fluctuations have been observed in the average, minimum, and maximum temperatures; wind speed; total inches of precipitation; and the number of days with precipitation. Notable increases of approximately 20 mph have been observed in both sustained and gust wind, as well as increases in the amount of and days with precipitation. During the rolling 12 months, Duquesne Light experienced ten PUC reportable storms impacting our system. One of these storms affected over 50,000 customers, which is just below the

threshold for an excludable event (10% of customers or approximately 60,000 customers).[1]

The table below lists three additions that were made to data in May 2022 and July 2022, subsequent to the 2021 Second, Third and Fourth Quarter Reports, the 2021 Annual Report and the 2022 First Quarter Report that were previously submitted to the Commission. The additions are the result of improved data accuracy governance that has been put in place at Duquesne Light. As a result of this change:

- 2021 CAIDI decreased from 186 minutes to 185 minutes;
- 2021 SAIDI and SAIFI remained the same;
- 2022 First Quarter CAIDI decreased from 193 to 192;
- 2022 First Quarter SAIFI increased from 0.98 to 0.99; and
- 2022 First Quarter SAIDI remained the same.

New Values				Original Values	
Incident #	**Date**	**kVA**	**kVA Min**	**kVA**	**kVA Min**
2140915	6/21/21	28,974	1,229,749	0	0
2156198	6/21/21	25	17,675	0	0
2253221	3/7/22	2,887	378,197	0	0

Formulas used in calculating the indices

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

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

CAIDI = SAIDI/SAIFI

Data used in calculating the indices

Total kVA Interrupted for the Period: 7,745,715 kVA

Total kVA-Minutes Interrupted: 1,282,361,440 kVA-Minutes

System Connected Load as of 6/30/22 7,932,778 kVA

[1] See Docket No. M-2021-3023564, Outage Reports to inform the Commission of utility service outages per 52 Pa. Code § 67.1.

(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 (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 outages. 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).

Second Quarter 2022 Rolling 12-Month Circuit Data

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
1 22869 Midland-Cooks Ferry Fuse Link	4 Total Outage(s) Second Quarter Outage(s): • Two outages were caused by storms. • One outage was caused by tree fall-in Outside ROW. Previous Outage(s): • One outage was caused by tree fall-in Outside ROW.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2018 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2023. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q2 2018. Proposed for 2022.
2 23610 Findlay Recloser	2 Total Outage(s) Second Quarter Outage(s): • One outage was caused by a storm. Previous Outage(s): • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2021 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2021. Proposed for 2026.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
3 23770 Traverse Run Fuse Link	10 Total Outage(s) Second Quarter Outage(s): • Two outages were due to unknown causes. • One outage was caused by high winds. Previous Outage(s): • Three outages were caused by high winds. • Two outages were due to unknown causes. • One outage was caused by wires wrapping together which caused a short circuit. • One outage was caused by a storm.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2018 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2023. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q1 2020. Proposed for 2025.
4 23921 Logans Ferry Sectionalizer	2 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • One outage was due to an unknown cause. • One outage was caused by tree fall-in Outside ROW.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2017. • Next Overhead Line Inspection planned for 2022. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2020. Proposed for 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
5 23602 Clinton[2] Fuse Link	9 Total Outage(s) Second Quarter Outage(s): • Three outages were due to unknown causes. Previous Outage(s): • Two outages were caused by high winds. • One outage was caused by tree fall-in Outside ROW. • One outage was by an unknown cause. • One outage was caused by icing. • One outage was caused by a storm.	• Permanent repairs were made following each outage as necessary. • Overhead Line Inspection planned for 2022 • The Company is investigating reliability enhancements for this circuit. • Vegetation Management proposed for 2025.
6 23614 Findlay Fuse Link	1 Total Outage(s) Second Quarter Outage(s): • One outage was caused by equipment failure. Previous Outage(s): • No outage(s).	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2020. • Next Overhead Line Inspection planned for 2025. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2021. Proposed for 2026.

[2] Clinton 23602 was established as a new circuit in 2021, which absorbed a portion of the existing Traverse Run Circuit D23770 (inspected in 2018).

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
7 23670 Montour Fuse Link	3 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • One outage was caused by tree fall-in Outside ROW. • One outage was caused by tree fall-in Inside ROW. • One outage was caused by wires wrapping together which caused a short circuit.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2021. • Next Overhead Line Inspection planned for 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2018. Proposed for 2022.
8 23816 Bellevue Recloser	3 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • One outage was caused by contact with company equipment by vehicle. • One outage was caused by tree fall-in Inside ROW. • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2017. • Next Overhead Line Inspection planned for 2022. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q2 2018. Proposed for 2023.
9 23661 Crescent Fuse Link	3 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • Two outages were caused by tree fall-in Outside ROW. • One outage was caused by a storm.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2018 and all high priority repairs completed. • Overhead Line Inspection planned for 2023. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2020. Proposed for 2026.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
10 23868 Wildwood Sectionalizer	3 Total Outage(s) Second Quarter Outage(s): • One outage was by an unknown cause. • One outage was caused by tree fall-in Inside ROW. Previous Outage(s): • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2020 and all high priority repairs completed. • Overhead Line Inspection planned for 2025. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2020. Proposed for 2025.
11 23802 Elwyn Breaker	4 Total Outage(s) Second Quarter Outage(s): • Two outages were caused by contact with company equipment by vehicle. • One outage was by an unknown cause. Previous Outage(s): • One outage was by an unknown cause.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2017 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2022. • The Company plans to perform reliability enhancements, such as installing new switching devices. • Vegetation Management completed Q2 2020. Proposed for 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
12 23672 Montour Fuse Link	2 Total Outage(s) Second Quarter Outage(s): • One outage was caused by equipment failure. Previous Outage(s): • One outage was caused by contact by a balloon.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2018 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2023. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2018. Proposed for 2022.
13 23763 Wilmerding Fuse Link	4 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • One outage was caused by animal contact. • One outage was caused by high winds. • One outage was caused by a storm. • One outage was caused by tree fall-in Outside ROW.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2017. • Next Overhead Line Inspection planned for 2022. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2019. Proposed for 2024.
14 23822 Highland Fuse Link	2 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • One outage was by an unknown cause. • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2019 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2024. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q2 2019. Proposed for 2023.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
15 23953 Evergreen Recloser	2 Total Outage(s) Second Quarter Outage(s): • One outage was caused by tree fall-in Outside ROW. Previous Outage(s): • One outage was caused by tree fall-in Outside ROW.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2020 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2025. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2016. Proposed for 2022.
16 23693 Brunot Island Sectionalizer	2 Total Outage(s) Second Quarter Outage(s): • One outage was caused by tree fall-in Outside ROW. • One outage was caused by equipment failure. Previous Outage(s): • No outage(s).	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2021 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q2 2019. Proposed for 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
17 23821 Highland Fuse Link	1 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • One outage was caused by equipment failure.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2021 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2021. Proposed for 2025.
18 23860 Wilson Sectionalizer	2 Total Outage(s) Second Quarter Outage(s): • One outage was by an unknown cause. • One outage was caused by equipment failure. Previous Outage(s): • No outage(s).	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2017 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2022. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2018. Proposed for 2022.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
19 23750 Dravosburg Fuse Link	2 Total Outage(s) Second Quarter Outage(s): • One outage was caused by tree fall-in Inside ROW. Previous Outage(s): • One outage was caused by tree fall-in Outside ROW.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2021 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2018. Proposed for 2022.
20 23612 Findlay Fuse Link	3 Total Outage(s) Second Quarter Outage(s): • One outage was by an unknown cause. • One outage was caused by equipment failure. Previous Outage(s): • One outage was caused by animal contact.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2017 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2022. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q1 2021. Proposed for 2025.
21 23680 Woodville Fuse Link	4 Total Outage(s) Second Quarter Outage(s): • One outage was caused by animal contact. • One outage was caused by tree fall-in Outside ROW. Previous Outage(s): • Two outages were caused by tree fall-in Outside ROW.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2017 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2022. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2020. Proposed for 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
22 23790 Legionville Breaker	5 Total Outage(s) Second Quarter Outage(s): • One outage was caused by tree fall-in Outside ROW. Previous Outage(s): • Two outages were caused by tree fall-in Outside ROW. • One outage was caused by contact with company equipment by vehicle. • One outage was caused by high winds.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2020 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2025. • The Company plans to perform reliability enhancements, such as reconfiguring switching devices. • Vegetation Management completed Q3 2019. Proposed for 2024.
23 23660 Crescent Fuse Link	9 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • Five outages were caused by high winds. • Two outages were by unknown causes. • One outage was by an object on the line or bus. • One outage was caused by excess slack in the conductors.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2020 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2025. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2020. Proposed for 2026.
24 22358 Carnegie-Calgon Recloser	1 Total Outage(s) Second Quarter Outage(s): • No outage(s). Previous Outage(s): • One outage was caused by contact with company equipment by vehicle.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2021 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2021. Proposed for 2026.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
25 22177 Universal-Wilkinsburg No. 4 Breaker	6 Total Outage(s) Second Quarter Outage(s): • Two outages were caused by equipment failure. Previous Outage(s): • Two outages were caused by tree fall-in Inside ROW. • One outage was caused by tree fall-in Outside ROW. • One outage was caused by a storm.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2020 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2025. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q1 2021. Proposed for 2023.
26 23631 Sewickley Breaker	4 Total Outage(s) Second Quarter Outage(s): • One outage was caused by tree fall-in Inside ROW. • One outage was caused by tree fall-in Outside ROW. Previous Outage(s): • Two outages were caused by tree fall-in Outside ROW.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2021 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2021. Proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
27 23844 Arsenal Fuse Link	3 Total Outage(s) Second Quarter Outage(s): • One outage was caused by wires wrapping together which caused a short circuit. Previous Outage(s): • One outage was caused by contact by balloons. • One outage was caused by high winds.	• Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2020 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2025. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2021. Proposed for 2026.

(e)(5) *A rolling 12-month breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages, the number of customers interrupted, and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be reported.*

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

July 1, 2021 through June 30, 2022
No PUC Major Event Exclusions

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	kVA TOTAL	kVA PERCENTAGE	kVA-MINUTE TOTAL	kVA -MINUTE PERCENTAGE
Storms	565	16%	1,572,593	20%	322,598,263	25%
Trees (Inside ROW)	285	8%	592,580	8%	122,894,548	10%
Trees (Outside ROW)	990	29%	2,007,794	26%	450,047,820	35%
Equipment Failures	720	21%	1,801,385	23%	237,866,973	19%
Overloads	34	1%	70,343	1%	2,527,717	<1%
Vehicles	174	5%	514,184	7%	75,908,312	6%
Contact/Dig In	38	1%	140,229	2%	9,804,402	1%
Animal Contact	137	4%	166,017	2%	11,079,949	1%
Unknown	363	11%	579,731	7%	30,834,825	2%
Other	140	4%	300,849	4%	18,798,631	1%
TOTALS	**3,446**	**100%**	**7,745,715**	**100%**	**1,282,361,440**	**100%**

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

2022 Transmission and Distribution Goals and Objectives							
Program Project	**Unit of Measurement**	**Target for 2022 2Q**	**Actual for 2022 2Q**	**2Q Percent Complete**	**Targets for Year 2022**	**Actual YTD for 2022**	**Year End % Complete**
Communications Goals							
Communication Battery Maintenance	Batteries	33	54	164%	128	81	63%
Overhead Distribution Goals							
Recloser Inspections	Circuits	39	34	87%	131	61	47%
Pole Inspections	Poles	6,680	5,783	87%	17,814	8,103	45%
OH Line Inspections	Circuits	39	34	87%	121	61	47%
OH Transformer Inspections	Circuits	39	34	87%	121	61	47%
Padmount & Below Grade Insp	Circuits	0	0	N/A	76	80	100%
Overhead Transmission Goals							
Helicopter Inspections	Circuits	11	15	136%	11	15	136%
Ground Inspections	Structures	0	0	N/A	347	21	6%
Substations Goals							
Circuit Breaker Maintenance	Breakers	135	71	53%	387	193	50%
Station Transformer Maintenance	Transformers	45	40	89%	49	40	82%
Station Battery Maintenance	Batteries	215	228	106%	860	425	49%
Station Relay Maintenance	Relays	478	520	109%	1,537	1,011	66%
Station Inspections	Sites	474	471	99%	1,896	945	50%
Underground Distribution Goals							
Manhole Inspections	Manholes	300	75	25%	700	388	55%
Major Network Insp (Prot Relay)	Ntwk Protectors	46	9	20%	92	24	26%
Minor Network Visual Inspection (Transformer/Protector/Vault)	Ntwk Transformers	266	27	10%	576	557	97%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Orders	105	103	98%	424	213	50%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	335	476	142%	1,300	799	61%

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

Budget Variance Recap – O&M Expenses
For the Three Months Ending June 30, 2022
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$11,489,640	$11,186,908	($302,732)
Human Resources	$6,798,962	$4,614,300	($2,184,662)
Operations/Operation Services	$14,076,743	$14,310,880	$234,137
Technology	$13,199,631	$12,899,577	($300,054)
General Corporate*	$18,417,203	$19,648,871	$1,231,688
Total	**$63,982,179**	**$62,660,536**	**($1,321,643)**

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

Budget Variance Recap – O&M Expenses
Year to Date through June 30, 2022
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$23,403,377	$24,594,961	$1,191,584
Human Resources	$11,713,036	$10,155,615	($1,577,421)
Operations/Operation Services	$26,645,146	$28,527,236	$1,882,090
Technology	$25,492,107	$25,564,032	$71,925
General Corporate*	$38,939,421	$39,353,787	$414,366
Total	**$126,193,087**	**$128,195,631**	**$2,002,544**

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

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

Budget Variance Recap -Capital
For the Three Months Ending June 30, 2022
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$2,250,577	$2,236,883	($13,694)
Human Resources	$4,722,972	$3,606,834	($1,116,138)
Operations/Operation Services	$60,289,901	$66,967,507	$6,677,606
Technology	$10,615,884	$14,921,859	$4,305,975
General Corporate*	$22,592,494	$16,352,302	($6,240,192)
Total	**$100,471,828**	**$104,085,385**	**$3,613,557**

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

Budget Variance Recap - Capital
Year to Date through June 30, 2022
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	$4,357,817	$4,446,232	$88,415
Human Resources	$8,529,257	$7,722,583	($806,674)
Operations/Operation Services	$114,292,433	$143,505,640	$29,213,207
Technology	$19,184,714	$26,475,389	$7,290,675
General Corporate*	$36,145,915	$32,877,854	($3,268,061)
Total	**$182,510,136**	**$215,027,698**	**$32,517,562**

*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	5
Electronic Technician	17
Telecom Technician	2
Total Telecom	**24**
Electrical Equipment Technician	39
Protection & Control Technician	37
Yard Group Leader	3
Rigger	5
Laborer	3
Total Substation	**87**
UG Splicer	34
UG Cable Inspector	10
Cable Tester	1
Network Operator	10
Equipment Material Handler	1
Total Underground	**56**
Apprentice T&D	1
Equipment Attendant	1
Lineworker	138
Service Crew Leader	5
Equipment Material Handler	6
Total Overhead	**151**
Right of Way Agent	4
Surveyor	4
Total Real Estate	**8**
Total Street Light Changer	**5**
Engineering Technician	47
GIS Technician	9
T&D Mobile Worker	6
Test Technician, Mobile	5
Total Engineering	**67**
Senior Operator Apprentice	63
Senior Operator	29
Troubleshooter	16
Total Senior Operator/Troubleshooter	**108**
Total Switching Dispatcher	**15**
Total Employees	**521**

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

CONFIDENTIAL INFORMATION

2nd Quarter 2022

Contractor Dollars:	REDACTED
Contractor Hours:	REDACTED

YTD 2022

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 – 2nd Quarter 2022
REDACTED

Amount of Time it Takes to Obtain the Necessary Personnel – 2nd Quarter 2022
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 Thimons – General Manager, Asset Management
(412) 393-8639, mthimons@duqlight.com

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

Jason Keller – Director, 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.*[3]

Rank	Circuit No	Circuit Name	Equipment Type	Device	Last Lockout	Ckt KVA	Total KVA Min Interrupted	Total KVA Interrupted	SAIDI	SAIFI	CAIDI
1	22869	Midland-Cooks Ferry	FUSE LINK	Pole # 473815	2022-06-27	31120	38750568	146910	1193.432578	4.512633	263.770798
2	23610	Findlay	RECLOSER	WR1181	2022-05-16	27946	34835467	57385	1621.054047	2.475347	607.048305
3	23770	Traverse Run	FUSE LINK	Pole # 289389	2022-05-21	18265	32162084	68981	1710.492848	3.54616	466.245545
4	23921	Logans Ferry	SECTIONALIZER	EA1155	2021-08-29	30891	26707901	102170	864.585186	3.307435	261.406489
5	23602	Clinton	FUSE LINK	Pole # 231501	2022-05-21	25379	21505245	87464	847.3637653	3.446313882	245.875388
6	23614	Findlay	FUSE LINK	Pole # 337870	2022-06-07	27879	20652102	48064	740.776283	1.724021	429.679219
7	23670	Montour	FUSE LINK	Pole # 196741	2022-02-04	34595	20162179	188820	582.806156	5.458014	106.77989
8	23816	Bellevue	RECLOSER	WR580	2022-03-31	22512	19174691	40671	851.754219	1.806635	471.458557
9	23661	Crescent	FUSE LINK	Pole # 112116	2022-03-10	30582	18939889	69542	629.688906	2.316437	272.351801
10	23868	Wildwood	SECTIONALIZER	WA741	2022-06-01	33034	18300819	100675	553.999485	3.047617	181.781167
11	23802	Elywn	S.S. BREAKER	BREAKER	2022-05-07	24374	15190307	52484	623.217649	2.153277	289.427387
12	23672	Montour	FUSE LINK	Pole # 81162	2022-05-25	31830	14530430	74320	456.501099	2.334903	195.511706
13	23763	Wilmerding	FUSE LINK	Pole # 263816	2022-03-06	22767	13813881	101836	606.750164	4.472964	135.648307
14	23822	Highland	FUSE LINK	Pole # 312050	2022-01-09	28072	13162686	67201	468.89021	2.393879	195.870388
15	23953	Evergreen	RECLOSER	ER703	2022-04-15	36135	13036397	174473	360.769253	4.828365	74.718707
16	23693	Brunot Is.	SECTIONALIZER	EA293	2022-04-23	36466	12966919	117915	355.589288	3.233559	109.968358
17	23821	Highland	FUSE LINK	Pole # 101681	2021-09-30	16577	12695195	23406	765.831875	1.411956	542.390626
18	23860	Wilson	SECTIONALIZER	EA214	2022-05-06	28684	12214219	71520	425.819934	2.493375	170.780467
19	23750	Dravosburg	FUSE LINK	Pole # 203339	2022-06-15	30215	12198524	76034	403.724109	2.516431	160.435121
20	23612	Findlay	FUSE LINK	Pole # 91640	2022-06-27	37333	11910147	94346	319.024642	2.527147	126.239024
21	23680	Woodville	FUSE LINK	Pole # 110574	2022-06-22	25698	11816071	38662	459.805081	1.504474	305.624928
22	23790	Legionville	S.S. BREAKER	BREAKER	2022-06-22	33741	11198732	109043	429.998452	4.252332	102.700145
23	23660	Crescent	FUSE LINK	Pole # 347506	2022-03-12	33195	10917885	156531	329.718404	4.724599	69.749027
24	22358	Carnegie-Calgon	RECLOSER	SER312	2021-08-20	11000	10850500	8500	986.40909	0.772727	1276.529411
25	22177	Universal-Wilkinsburg No.4	S.S. BREAKER	BREAKER	2022-06-18	5787	10751972	127795	1857.952651	22.083116	84.134527
26	23631	Sewickley	S.S. BREAKER	BREAKER	2022-06-24	32880	10621179	72542	323.028557	2.206265	146.414201
27	23844	Arsenal	FUSE LINK	Pole # 3279	2022-05-06	55432	10172274	135449	183.509056	2.443515	75.100399

[3] The "Device" column indicates the device that most frequently operated and locked out in response to a fault.

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TO:

Ms. Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
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Date Accepted (MM/DD/YY): 7-29-22	Scheduled Delivery Time: ☐ 10:30 AM ☐ 3:00 PM ☐ 12 NOON	Insurance Fee: $	COD Fee: $
Time Accepted: 1:06 ☐ AM ☐ PM	10:30 AM Delivery Fee: $	Return Receipt Fee: $	Live Animal Transportation Fee: $
Special Handling/Fragile: $	Sunday/Holiday Premium Fee: $	Total Postage & Fees: $ 26.95	
Weight: ☐ Flat Rate lbs. ozs.	Acceptance Employee Initials		

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