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October 31, 2023

VIA ELECTRONIC FILING

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

Re: **Duquesne Light Company**
Quarterly Electric Reliability Report – 3rd Quarter 2023
Docket No. M-2023-3039027

Dear Secretary Chiavetta:

Enclosed please find Duquesne Light Company's Quarterly Electric Reliability Report for the third quarter of 2023. The report is submitted in two versions, proprietary and non-proprietary. Enclosed is the **non-proprietary** version, which can be made available to the public at the above-referenced docket. The proprietary version has been submitted via overnight mail.

If you have any questions regarding the information contained in this filing, please contact me or Mary Kellam at mkellam@duqlight.com or 412-393-6099.

Sincerely,

A handwritten signature in blue ink, appearing to read "LBQ", is positioned above the typed name of the sender.

Lindsay A. Baxter
Manager, Regulatory and Clean Energy Strategy

Enclosure

cc (w/ redacted version):

Dan Searfoorce (dsearfoorc@pa.gov)
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***Duquesne Light Company
Third Quarter 2023
Electric Reliability Report
to the
Pennsylvania Public Utility Commission***

October 31, 2023

57.195 Reporting Requirements

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

Duquesne Light had no major events in the third quarter.

(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	*
2023 3Q (Rolling 12 mo.)	76	0.68	112	*

* 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 third quarter of 2023 (rolling 12 months), Duquesne Light’s CAIDI is above the benchmark while meeting the 12-month standard, while SAIDI and SAIFI performance are below both the benchmark and standard. SAIDI, SAIFI and CAIDI performance is attributable to a period of stormy weather, including two PUC Reportable storm events rolling off the report from the third quarter of 2022.

The table below lists additions that were made to data in 3rd Quarter 2023, subsequent to the 2nd Quarter and 2022 Annual Reports 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:

- 2022 SAIDI increased from 135 to 136;
- 2022 SAIFI and CAIDI did not change;

- 2023 Second Quarter SAIFI increased from 0.77 to 0.78;
- 2023 Second Quarter CAIDI increased from 122 to 123; and
- 2023 Second Quarter SAIDI did not change.

<u>New Values</u>				<u>Original Values</u>	
Incident #	Date	kVA	kVA Min	kVA	kVA Min
2353159	12/23/22	2,977	1,110,421	0	0
2353200	7/23/22	3,005	1,041,755	0	0
2353611	8/12/23	130	13,000	130	8,060
2343459	3/26/23	2,975	3,334,975	2,975	2,716,175
2353904	7/14/23	2,167	508,346	0	0
2343988	7/14/23	2,416	932,576	2,416	507,360

Formulae used in calculating the indices

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

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

$$CAIDI = \frac{SAIDI}{SAIFI}$$

Data used in calculating the indices

Total kVA Interrupted for the Period:	5,405,628 kVA
Total kVA-Minutes Interrupted:	602,798,120 kVA-Minutes ¹
System Connected Load as of 9/30/23	7,932,778 kVA

¹ Duquesne Light recently discovered an IT application issue that may result in a change in kVA-Minutes data reported herein. The issue has since been resolved and any changes will be filed subsequently as appropriate.

(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).

Third Quarter 2023 Rolling 12-Month Circuit Data

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>1 23870 Mt. Nebo Fuse Link</p>	<p>3 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by a vehicle. • One outage was caused by tree fall-in Outside ROW. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2022 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2027. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2021. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.
<p>2 23675 Montour Recloser</p>	<p>3 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. • One outage was caused by high winds. <p>Previous Outage(s):</p> <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. • 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 Q4 2020. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>3</p> <p>22869 Midland-Cooks Ferry</p> <p>Fuse Link</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by a storm. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. 	<ul style="list-style-type: none"> • 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 Q4 2022. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2027.
<p>4</p> <p>22862 Crescent- Sewickley</p> <p>Breaker</p>	<p>3 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by animal contact. • One outage was by wires wrapping together which caused a short circuit. • One outage was by an unknown cause. 	<ul style="list-style-type: none"> • 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 Q4 2021. Proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>5 23770 Traverse Run Breaker</p>	<p>5 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. • One outage was caused by tree fall-in Outside ROW. • One outage was caused by tree fall-in Inside ROW. • One outage was by an unknown cause. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2023 and all high priority repairs completed. • Overhead Line Inspection planned for 2028. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q2 2020. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.
<p>6 23688 Chess Fuse Link</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by equipment failure. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • 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 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>7 23868 Wildwood Breaker</p>	<p>3 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was by an unknown cause. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was by an unknown cause. • One outage was caused by equipment failure. 	<ul style="list-style-type: none"> • 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 Q4 2020. Proposed for 2025.
<p>8 23716 Pine Creek Fuse Link</p>	<p>3 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • Two outages were caused by tree fall-in Inside ROW. • One outage was caused by tree fall-in Outside ROW. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection will be completed before end of 2023 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2028. • 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
<p>9 23699 Brunot Island Fuse Link</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by equipment failure. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • 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 2019. Proposed for 2023.
<p>10 22366 Woodville-Kirwan Sectionalizer</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Outage(s):</p> <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. • 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 2020. Proposed for 2025.
<p>11 23650 Neville Fuse Link</p>	<p>3 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • Two outages were caused by animal contact. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2022 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2027. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2019. Proposed for 2023.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>12 23709 North Fuse Link</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. • One outage was by an unknown cause. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2022 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2027. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2022. Proposed for 2027.
<p>13 23842 Arsenal Recloser</p>	<p>3 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Inside ROW. • One outage was caused by tree fall-in Outside ROW. • One outage was caused by equipment failure. 	<ul style="list-style-type: none"> • 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 Q4 2022. Proposed for 2026.
<p>14 23921 Logans Ferry Fuse Link</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • Two outages were caused by tree fall-in Outside ROW. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2022 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2027. • 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
<p>15 23781 Valley Breaker</p>	<p>5 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was by an unknown cause. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • Two outages were caused by equipment failure. • One outage was caused by tree fall-in Outside ROW. • One outage was caused by wires wrapping together which caused a short circuit. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2023 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2028. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2018. Proposed for 2023.
<p>16 23698 Brunot Island Breaker</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by equipment failure. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • 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 Q1 2019. Proposed for 2023.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>17 23714 Pine Creek Fuse Link</p>	<p>4 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • Two outages were caused by tree fall-in Inside ROW. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Inside ROW. • One outage was caused by tree fall-in Outside ROW. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2023 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2028. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2018. Proposed for 2024.
<p>18 23713 Pine Creek Recloser</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Outage(s):</p> <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. • Distribution Overhead Line Inspection will be completed before end of 2023 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2028. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2020. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>19 23881 Rankin Breaker</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by a storm. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • 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 2017. Proposed for 2023.
<p>20 23646 Wolfe Run Breaker</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Outage(s):</p> <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. • Distribution Overhead Line Inspection performed in 2023 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2028. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q3 2018. Proposed for 2023.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>21 23682 Woodville Fuse Link</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was by an unknown cause. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2023 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2028. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2020. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.
<p>22 23663 Crescent Fuse Link</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • 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. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2026.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>23 23631 Sewickley Fuse Link</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. • One outage was caused by tree fall-in Inside ROW. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • 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. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.
<p>24 23685 West End Sectionalizer</p>	<p>1 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by a storm. <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). 	<ul style="list-style-type: none"> • 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 2019. Proposed for 2023.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>25</p> <p>22150 Wilmerding- Rankin No.3 Breaker</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. • One outage was caused by tree fall-in Inside ROW. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2023 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2028. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2020. Proposed for 2025.
<p>26</p> <p>23614 Findlay Recloser</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. • One outage was caused by tree fall-in Inside ROW. 	<ul style="list-style-type: none"> • 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. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2026.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>27 23630 Sewickley Fuse Link</p>	<p>2 Total Outage(s)</p> <p>Third Quarter Outage(s):</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Outage(s):</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. • One outage was caused by a storm. 	<ul style="list-style-type: none"> • 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 Q4 2021. Performing mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.

(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.

**October 1, 2022 through September 30, 2023
 No Major Event Exclusions**

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	kVA TOTAL	kVA PERCENTAGE	kVA-Minute TOTAL	kVA-Minute PERCENTAGE
Storms	252	10%	686,037	13%	92,572,049	15%
Trees (Inside ROW)	250	10%	355,198	7%	46,558,415	8%
Trees (Outside ROW)	696	28%	1,204,448	22%	170,350,265	28%
Equipment Failures	569	23%	1,764,917	33%	167,620,883	28%
Overloads	16	1%	26,838	0%	10,018,709	2%
Vehicles	165	7%	451,450	8%	49,427,257	8%
Contact/Dig In	36	1%	107,736	2%	10,007,048	2%
Animal Contact	94	4%	124,889	2%	9,369,451	2%
Unknown	300	12%	429,135	8%	23,276,629	4%
Other	129	5%	254,980	5%	23,597,414	4%
TOTALS	2,507	100%	5,405,628	100%	602,798,120	100%

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

2023 Transmission and Distribution Goals and Objectives							
Program Project	Unit of Measurement	Target for 2023 3Q	Actual for 2023 3Q	3Q % Complete	Targets for Year 2023	Actual YTD for 2023	Year End % Complete
Communications Goals							
Communication Battery Maintenance	Batteries	31	31	100%	124	88	71%
Overhead Distribution Goals							
Recloser Inspections	Circuits	38	29	76%	129	134	104%
Pole Inspections	Poles	5,974	6,136	103%	17,695	15,718	89%
OH Line Inspections	Circuits	38	29	76%	129	134	104%
OH Transformer Inspections	Circuits	38	29	76%	129	134	104%
Padmount & Below Grade Insp	Circuits	0	0	NA	82	82	100%
Overhead Transmission Goals							
Helicopter Inspections	Circuits	0	17	NA	23	23	100%
Ground Inspections	Structures	0	0	NA	283	283	100%
Substations Goals							
Circuit Breaker Maintenance	Breakers	109	88	81%	515	370	72%
Station Transformer Maintenance	Transformers	0	5	NA	55	43	78%
Station Battery Maintenance	Batteries	214	202	94%	856	610	71%
Station Relay Maintenance	Relays	515	410	80%	1,382	1,103	80%
Station Inspections	Sites	471	471	100%	1,884	1,413	75%
Underground Distribution Goals							
Manhole Inspections	Manholes	200	311	156%	700	448	64%
Major Network Insp (Prot Relay)	Ntwk Protectors	20	54	270%	92	79	86%
Minor Network Visual Inspection (Transformer/Protector/Vault)	Ntwk Transformers	190	0	0%	576	565	98%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Orders	106	105	99%	424	313	74%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	375	276	74%	1,300	874	67%

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

Budget Variance Recap – O&M Expenses
For the Three Months Ending September 30, 2023
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$24,302,088	\$20,170,037	(\$4,132,051)
Human Resources	\$6,109,186	\$5,415,092	(\$694,094)
Operations/Operation Services	\$13,611,117	\$12,832,295	(\$778,822)
Technology	\$12,065,903	\$12,178,508	\$112,605
General Corporate*	\$17,557,070	\$17,873,561	\$316,491
Total	\$73,645,364	\$68,469,493	(\$5,175,871)

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

Budget Variance Recap – O&M Expenses
Year to Date through September 30, 2023
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$56,183,548	\$48,549,425	(\$7,634,123)
Human Resources	\$19,440,957	\$16,780,487	(\$2,660,470)
Operations/Operation Services	\$38,766,937	\$38,110,867	(\$656,070)
Technology	\$37,376,381	\$37,155,334	(\$221,047)
General Corporate*	\$56,628,868	\$55,854,537	(\$774,331)
Total	\$208,396,691	\$196,450,650	(\$11,946,041)

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

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

Budget Variance Recap – Capital
For the Three Months Ending September 30, 2023
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$3,331,343	\$4,124,397	\$793,054
Human Resources	\$5,925,619	\$4,130,209	(\$1,795,410)
Operations/Operation Services	\$83,474,678	\$79,491,426	(\$3,983,252)
Technology	\$10,246,003	\$9,805,445	(\$440,558)
General Corporate*	\$23,744,456	\$17,092,216	(\$6,652,240)
Total	\$126,722,099	\$114,643,693	(\$12,078,406)

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

Budget Variance Recap – Capital
Year to Date through September 30, 2023
(In Whole Dollars)
Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$9,935,034	\$11,884,777	\$1,949,743
Human Resources	\$15,927,926	\$12,756,307	(\$3,171,619)
Operations/Operation Services	\$225,926,055	\$243,489,076	\$17,563,021
Technology	\$32,861,306	\$30,665,788	(\$2,195,518)
General Corporate*	\$71,957,162	\$49,649,102	(\$22,308,060)
Total	\$356,607,483	\$348,445,050	(\$8,162,433)

*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	18
Telecom Technician	2
Total Telecom	26
Electrical Equipment Technician	38
Protection & Control Technician	36
Yard Group Leader	3
Rigger	5
Laborer	4
Total Substation	86
UG Splicer	41
UG Cable Inspector	10
Cable Tester	1
Network Operator	11
Equipment Material Handler	1
Total Underground	64
Apprentice T&D	0
Equipment Attendant	1
Lineworker	124
Service Crew Leader	4
Equipment Material Handler	4
Total Overhead	133
Right of Way Agent	6
Surveyor	4
Total Real Estate	10
Total Street Light Changer	5
Engineering Technician	50
GIS Technician	10
T&D Mobile Worker	7
Test Technician, Mobile	5
Total Engineering	72
Senior Operator Apprentice	68
Senior Operator	37
Troubleshooter	14
Total Senior Operator/Troubleshooter	119
Total Switching Dispatcher	13
Total Employees	528

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

CONFIDENTIAL INFORMATION

REDACTED

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

CONFIDENTIAL INFORMATION

Call-Out Acceptance Rate – 3rd Quarter 2023

REDACTED

Amount of Time it Takes to Obtain the Necessary Personnel – 3rd Quarter 2023

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.²*

Rank	Circuit No	Circuit Name	Equipment Type	Device	Last Lockout	Ckt KVA	Total KVA Min Interrupted	Total KVA Interrupted	SAIDI	SAIFI	CAIDI
1	23870	Mt. Nebo	FUSE LINK	Pole # 226181	2023-07-21	33392	13395347	120109	401.154378	3.596939	111.526588
2	23675	Montour	RECLOSER	ER253	2023-07-29	26130	11673481	114493	445.530649	4.365034	101.958032
3	22869	Midland-Cooks Ferry	FUSE LINK	Pole # 282901	2023-08-25	31120	11346578	94317	364.607261	3.030751	120.302575
4	22862	Crescent-Sewickley	S.S. BREAKER	BREAKER	2023-04-17	20413	10833644	67632	530.722774	3.313182	160.185178
5	23770	Traverse Run	S.S. BREAKER	BREAKER	2023-08-25	18265	10818464	91399	592.30572	5.00405	118.365233
6	23688	Chess	FUSE LINK	Pole # 334032	2023-08-31	26483	10204698	75267	385.330135	2.842086	135.579975
7	23868	Wildwood	S.S. BREAKER	BREAKER	2023-07-07	33034	10163771	99132	307.67606	3.000908	102.52765
8	23716	Pine Creek	FUSE LINK	Pole # 366862	2023-07-25	35398	9315587	112143	263.167042	3.16806	83.068822
9	23699	Brunot Is.	FUSE LINK	Pole # 799	2023-07-22	28247	9177799	14013	330.958118	0.504772	654.948904
10	22366	Woodville-Kirwan	SECTIONALIZER	SWA180	2022-12-01	8112	9138199	31331	1126.50382	3.862302	291.666368
11	23650	Neville	FUSE LINK	Pole # 118003	2023-07-06	38327	8867824	54577	231.372765	1.423983	162.482804
12	23709	North	FUSE LINK	Pole # 94015	2023-04-16	25182	8180890	58713	326.385356	2.336191	139.336944
13	23842	Arsenal	RECLOSER	WR451	2023-05-04	33185	8144013	71815	245.412475	2.164079	113.402673
14	23921	Logans Ferry	FUSE LINK	Pole # 128869	2023-08-15	30891	8001061	133381	259.009452	4.317794	59.986512
15	23781	Valley	S.S. BREAKER	BREAKER	2023-07-03	22318	7976139	113803	357.38592	5.099156	70.087247
16	23698	Brunot Is.	S.S. BREAKER	BREAKER	2023-08-24	21606	7641522	34836	353.675922	1.612329	219.357044
17	23714	Pine Creek	FUSE LINK	Pole # 164271	2023-08-23	32875	7331326	67783	223.006113	2.061839	108.158771
18	23713	Pine Creek	RECLOSER	WR1004	2023-08-12	28974	6588794	83479	227.403671	2.881168	78.927562
19	23881	Rankin	S.S. BREAKER	BREAKER	2023-07-13	21002	6552679	33761	312.002618	1.607513	194.090192
20	23646	Wolfe Run	S.S. BREAKER	BREAKER	2023-07-07	32060	6270732	66946	195.593635	2.088147	93.668508
21	23682	Woodville	FUSE LINK	Pole # 23915	2023-08-05	32304	5841886	45939	182.717115	1.473136	127.166155
22	23663	Crescent	FUSE LINK	Pole # 64430	2023-08-25	45006	5631446	61532	125.12656	1.367194	91.520607
23	23631	Sewickley	FUSE LINK	Pole # 113344	2023-08-25	32880	5473668	71456	166.474086	2.173235	76.601936
24	23685	West End	SECTIONALIZER	EA169	2023-07-20	19815	5109421	43879	257.85622	2.214433	116.443423
25	22150	Wilmerding-Rankin No.3	S.S. BREAKER	BREAKER	2023-06-14	8269	5096142	56514	616.294836	6.834441	90.174859
26	23614	Findlay	RECLOSER	WR634	2023-05-01	30512	5088710	21537	166.777333	0.705853	236.277568
27	23630	Sewickley	FUSE LINK	Pole # 81002	2023-01-19	25832	5035069	36088	196.681622	1.404705	139.521974

² The “Device” column indicates the device that most frequently operated and locked out in response to a fault.