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July 31, 2024

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 – 2nd Quarter 2024
Docket No. M-2023-3039027

Dear Secretary Chiavetta:

Enclosed please find Duquesne Light Company's Quarterly Electric Reliability Report for the second quarter of 2024. 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,

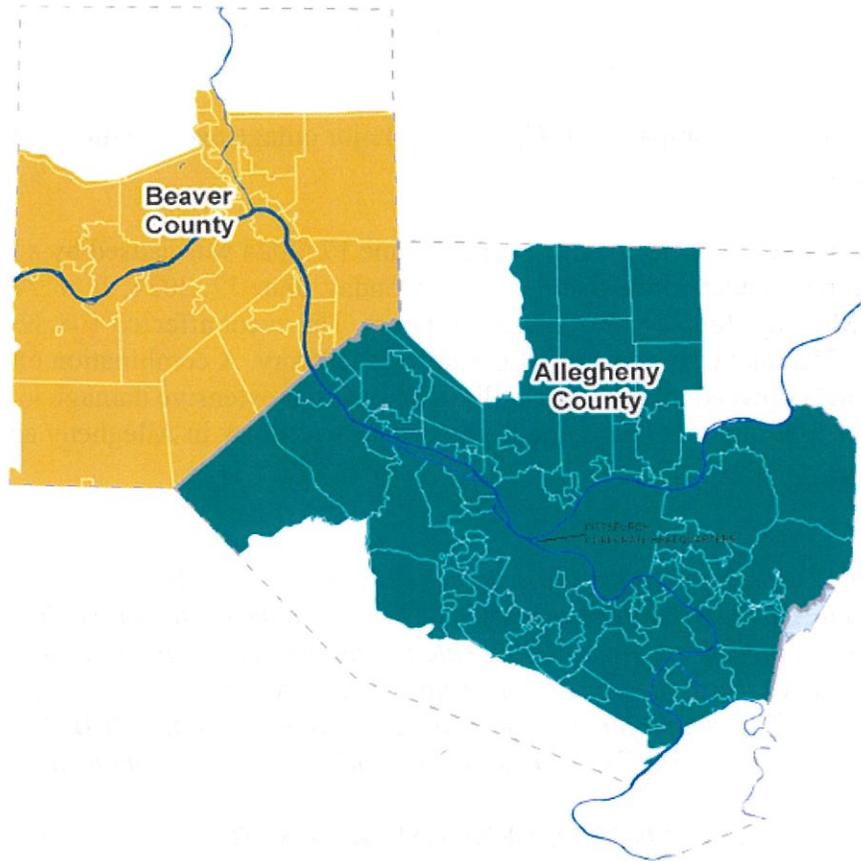
A handwritten signature in blue ink that reads "Smaye".

Shelly-Ann Maye
Senior Manager, Regulatory Performance

Enclosure

cc:

Dan Searfoorce (dsearfoorc@pa.gov)
John Van Zant (jvanzant@pa.gov)
Patrick Cicero (ra-oca@paoca.org)
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Duquesne Light Company
Second Quarter 2024
Electric Reliability Report
to the
Pennsylvania Public Utility Commission

July 31, 2024

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 Company (DLC) had one major outage event, which occurred on June 17, 2024.

Duquesne Light’s major outage event on June 17, 2024 was caused by a heat dome and microburst thunderstorms that began on Monday, June 17, 2024, at 16:29 hours and ended Monday, June 24, 2024, at 23:30 hours. The event affected 108,324 customers of the 612,752 total customers in DLC’s service territory. A combination of heat, rain, and high winds downed trees on power lines and caused extensive damage to poles and equipment throughout Duquesne Light’s service territory in Allegheny and Beaver Counties.

- (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 a Major Event Excluded**

Entire System				
	SAIDI	SAIFI	CAIDI	MAIFI
Benchmark	126	1.17	108	*
12 Month Standard	182	1.40	130	*
2024 2Q (Rolling 12 mo.)	85	0.66	129	*

**** On July 23, 2024, a major outage exclusion request was submitted to the PUC. The metrics here reflect the requested exclusion of outages from the events identified in the filing.**

* 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 2024 (rolling 12 months), Duquesne Light's CAIDI is above the benchmark and below the 12-month standard. SAIDI and SAIFI performance are below the benchmark and lower than the 12-month standard.

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:	5,188,307 kVA
Total kVA-Minutes Interrupted:	671,647,926 kVA-Minutes
System Connected Load as of 06/30/24:	7,906,797 kVA

(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 2024 Rolling 12-Month Circuit Data

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>1 23870 Mt. Nebo Fuse Link</p>	<p>5 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were caused by tree fall-in Outside ROW. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were 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 2021. Performed mid-cycle maintenance Q4 2023. Next maintenance proposed for 2025.
<p>2 23804 Elwyn Recloser</p>	<p>2 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. • 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 2024 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2029. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q2 2024. Next maintenance proposed for 2028.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>3 23675 Montour Breaker</p>	<p>3 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by conductor failure which led to an overload or fault. <p>Previous Quarter Outages:</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. • Next Overhead Line Inspection planned for 2025. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2020. Performed mid-cycle maintenance Q4 2023. Next maintenance proposed for 2025.
<p>4 23716 Pine Creek Fuse Link</p>	<p>4 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were by unknown causes. • One outage was caused by grow-in by tree, brush, or vines. • One outage was caused by a storm. <p>Previous Quarter Outages:</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 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2023. Next maintenance proposed for 2027.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>5 23612 Findlay Breaker</p>	<p>5 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • Three outages were caused by equipment failure. • One outage was caused by a storm. <p>Previous Quarter Outages:</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 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 Q1 2021. Next maintenance proposed for 2025.
<p>6 23868 Wildwood Breaker</p>	<p>6 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • Three outages were by unknown causes. • One outage was caused by tree fall-in Outside ROW. • One outage was caused by equipment failure. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • 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 2024 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2029. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2020. Next maintenance proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>7 23614 Findlay Fuse Link</p>	<p>1 Total Outage(s) Second Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by equipment failure. Previous Quarter Outages: <ul style="list-style-type: none"> • No outage(s). </p>	<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. Next maintenance proposed for 2025.
<p>8 23620 Raccoon Fuse Link</p>	<p>3 Total Outage(s) Second Quarter Outages: <ul style="list-style-type: none"> • Two outages were caused by tree fall-in Outside ROW. • One outage was by an unknown cause. Previous Quarter Outages: <ul style="list-style-type: none"> • No outage(s). </p>	<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 2019. Next maintenance proposed for 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>9 22869 Midland-Cooks Ferry Recloser</p>	<p>3 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was by an unknown cause. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was by an unknown cause. • 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 2024 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2029. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2022. Performed mid-cycle maintenance Q4 2023. Next maintenance proposed for 2027.
<p>10 23970 Port Perry Recloser</p>	<p>1 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Quarter Outages:</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 2024 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2029. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2019. Next maintenance proposed for 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>11 23920 Logans Ferry Sectionalizer</p>	<p>2 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. • One outage was caused by wires wrapping together causing a short circuit. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • Distribution Overhead Line Inspection performed in 2024 and all high priority repairs completed. • Next Overhead Line Inspection planned for 2029. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q2 2020. Next maintenance proposed for 2025.
<p>12 23791 Legionville Recloser</p>	<p>4 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by a storm. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were 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 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 will be completed Q3 2024. Next maintenance proposed for 2029.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>13 23714 Pine Creek Recloser</p>	<p>6 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by company personnel operating error. • One outage was caused by equipment failure. • One outage was caused by a storm. <p>Previous Quarter Outages:</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 high winds. 	<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. Next maintenance proposed for 2024.
<p>14 22855 Findlay-Montour No.2 Breaker</p>	<p>4 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • Three outages were 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 2020. Next maintenance proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>15 23631 Sewickley Fuse Link</p>	<p>3 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by a storm. <p>Previous Quarter Outages:</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 2022 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. Performed mid-cycle maintenance Q4 2023. Full cycle proposed for 2025.
<p>16 4628 Trafford Breaker</p>	<p>1 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by contact with company equipment by vehicle. 	<ul style="list-style-type: none"> • Permanent repairs were made following each outage as necessary. • 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 Q2 2023. Next maintenance proposed for 2028.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>17 23770 Traverse Run Recloser</p>	<p>3 Total Outage(s) Second Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. Previous Quarter Outages: <ul style="list-style-type: none"> • Two outages were caused by tree fall-in Outside ROW. </p>	<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 Q2 2020. Performed mid-cycle maintenance Q4 2023. Next maintenance proposed for 2025.
<p>18 23640 Midland Fuse Link</p>	<p>3 Total Outage(s) Second Quarter Outages: <ul style="list-style-type: none"> • One outage was by an unknown cause. Previous Quarter Outages: <ul style="list-style-type: none"> • One outage was caused by a storm. • One outage was caused by equipment failure. </p>	<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 2018. Next maintenance proposed for 2024.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>19 23670 Montour Fuse Link</p>	<p>2 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused 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 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 2022. Next maintenance proposed for 2026.
<p>20 23713 Pine Creek Recloser</p>	<p>3 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by a storm. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were 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 2020. Performed mid-cycle maintenance Q4 2023. Next maintenance proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>21 23613 Findlay Recloser</p>	<p>2 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Inside ROW. • One outage was caused by animal contact. <p>Previous Quarter Outages:</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 2021. Next maintenance proposed for 2026.
<p>22 23623 Raccoon Breaker</p>	<p>3 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by tree fall-in Outside ROW. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were 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 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 2022. Next maintenance proposed for 2027.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>23 22366 Woodville- Kirwan Sectionalizer</p>	<p>1 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by improper equipment installation. 	<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. Next maintenance proposed for 2025.
<p>24 23750 Dravosburg Fuse Link</p>	<p>2 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • No outage(s). <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were by unknown causes. 	<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 2026. • The Company is investigating reliability enhancements for this circuit. • Vegetation Management completed Q4 2022. Next maintenance proposed for 2026.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p>25 23650 Neville Fuse Link</p>	<p>4 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were by unknown causes. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by animal contact. • 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 Q3 2023. Next maintenance proposed for 2027.
<p>26 23953 Evergreen Breaker</p>	<p>4 Total Outage(s) Second Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by high winds. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • One outage was caused by contact with plane, helicopter, balloon, etc. • One outage was caused by contact with company equipment by vehicle. • 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 Q2 2022. Next maintenance proposed for 2025.

Rank, Circuit Name, Device	Outages	Remedial Actions Planned or Taken
<p style="text-align: center;">27 23921 Logans Ferry Fuse Link</p>	<p>4 Total Outage(s)</p> <p>Second Quarter Outages:</p> <ul style="list-style-type: none"> • Two outages were caused by tree fall-in Outside ROW. <p>Previous Quarter Outages:</p> <ul style="list-style-type: none"> • 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 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. Next maintenance 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.

**July 1, 2023 through June 30, 2024
 One Major Event Exclusion**

CAUSE	NO. OF OUTAGES	OUTAGE PERCENTAGE	kVA TOTAL	kVA PERCENTAGE	kVA-Minute TOTAL	kVA-Minute PERCENTAGE
Storms	294	10%	628,146	12%	123,391,454	18%
Trees (Inside ROW)	235	8%	282,312	5%	37,365,237	6%
Trees (Outside ROW)	829	27%	1,482,768	29%	231,219,312	34%
Equipment Failures	602	20%	1,515,879	29%	152,398,524	23%
Overloads	15	0%	28,508	1%	8,061,514	1%
Vehicles	432	14%	461,613	9%	59,020,462	9%
Contact/Dig In	38	1%	53,543	1%	4,713,351	1%
Animal Contact	113	4%	142,680	3%	7,249,691	1%
Unknown	371	12%	359,653	7%	25,859,198	4%
Other	142	5%	233,205	4%	22,369,183	3%
TOTALS	3,071	100%	5,188,307	100%	671,647,926	100%

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

2024 Transmission and Distribution Goals and Objectives							
Program Project	Unit of Measurement	Target for 2024 2Q	Actual for 2024 2Q	2Q % Complete	Targets for Year 2024	Actual YTD for 2024	Year End % Complete
Communications Goals							
Communication Battery Maintenance	Batteries	28	30	107%	112	58	52%
Overhead Distribution Goals							
Recloser Inspections	Circuits	36	42	117%	114	77	68%
Pole Inspections	Poles	7,084	7,053	99%	17,742	9,758	55%
OH Line Inspections	Circuits	36	42	117%	114	77	68%
OH Transformer Inspections	Circuits	36	42	117%	114	77	68%
Padmount & Below Grade Insp	Circuits	0	0	N/A	78	79	101%
Overhead Transmission Goals							
Helicopter Inspections	Structures*	590	590	100%	590	590	100%
Ground Inspections	Circuits	0	3	N/A	7	10	143%
Substations Goals							
Circuit Breaker Maintenance	Breakers	75	59	79%	305	198	65%
Station Transformer Maintenance	Transformers	12	19	158%	48	20	42%
Station Battery Maintenance	Batteries	213	212	99%	852	397	47%
Station Relay Maintenance	Relays	339	313	92%	1,359	763	56%
Station Inspections	Sites	471	471	100%	1,884	942	50%
Underground Distribution Goals							
Manhole Inspections	Manholes	175	119	68%	700	522	75%
Major Network Insp (Prot Relay)	Ntwk Protectors	24	27	113%	92	60	65%
Minor Network Visual Inspection (Transformer/Protector/Vault)	Ntwk Transformers	144	93	65%	576	571	99%
Underground Transmission Goals							
Pressurization and Cathodic Protection Plant Inspection	Work Orders	106	87	82%	424	181	43%
Vegetation Management Goals							
Overhead Line Clearance	Circuit Overhead Miles	360	210	58%	1,300	523	40%

* The units of measure for overhead transmission goals have been modified since the previous report, resulting in the new target seen here for helicopter inspections for 2024.

(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, 2024
 (In Whole Dollars)
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$21,858,363	\$14,725,595	(\$7,132,768)
Human Resources	(\$6,758,186)	\$5,857,214	\$12,615,400
Operations/Operation Services	\$13,315,941	\$13,201,574	(\$114,367)
Technology	\$12,517,569	\$13,535,385	\$1,017,816
General Corporate*	\$19,385,938	\$17,738,023	(\$1,647,915)
Total	\$60,319,625	\$65,057,791	\$4,738,166

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

Budget Variance Recap – O&M Expenses
 Year to Date through June 30, 2024
 (In Whole Dollars)
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$44,964,487	\$33,539,555	(\$11,424,932)
Human Resources	\$677,059	\$11,762,594	\$11,085,535
Operations/Operation Services	\$25,503,372	\$25,819,898	\$316,526
Technology	\$24,662,969	\$27,023,919	\$2,360,950
General Corporate*	\$38,604,899	\$35,634,610	(\$2,970,289)
Total	\$134,412,786	\$133,780,576	(\$632,210)

*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, 2024
 (In Whole Dollars)
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$2,558,681	\$5,656,091	\$3,097,410
Human Resources	\$5,524,436	\$4,189,595	(\$1,334,841)
Operations/Operation Services	\$94,024,437	\$91,819,443	(\$2,204,994)
Technology	\$14,622,361	\$13,264,807	(\$1,357,554)
General Corporate*	\$22,898,114	\$23,020,056	\$121,942
Total	\$139,628,029	\$137,949,992	(\$1,678,037)

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

Budget Variance Recap – Capital
 Year to Date through June 30, 2024
 (In Whole Dollars)
 Favorable/(Unfavorable)

	Total Actual	Total Budget	Variance
Customer Service	\$5,417,300	\$11,362,048	\$5,944,748
Human Resources	\$11,102,040	\$8,401,556	(\$2,700,484)
Operations/Operation Services	\$156,004,589	\$183,137,607	\$27,133,018
Technology	\$25,920,740	\$27,436,334	\$1,515,594
General Corporate*	\$46,802,131	\$45,325,609	(\$1,476,522)
Total	\$245,246,800	\$275,663,154	\$30,416,354

*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	15
Telecom Technician	2
Total Telecom	23
Electrical Equipment Technician	35
Protection & Control Technician	36
Yard Group Leader	2
Rigger	5
Laborer	2
Total Substation	80
UG Splicer	46
UG Cable Inspector	10
Cable Tester	1
Network Operator	11
Equipment Material Handler	1
Total Underground	69
General Lineworker Apprentice	69
Equipment Attendant	1
Lineworker	125
Service Crew Leader	5
Equipment Material Handler	2
Total Overhead	202
Right of Way Agent	5
Surveyor	4
Total Real Estate	9
Total Street Light Changer	5
Engineering Technician	52
GIS Technician	9
T&D Mobile Worker	8
Test Technician, Mobile	4
Total Engineering	73
Senior Operator Apprentice	0
Senior Operator	35
Troubleshooter	15
Total Senior Operator/Troubleshooter	50
Total Switching Dispatcher	14
Total Employees	525

(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 – 2nd Quarter 2024

REDACTED

Amount of Time it Takes to Obtain the Necessary Personnel – 2nd Quarter 2024

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 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.¹*

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	2024-06-26	36855	15371018	166026	435.259671	4.734369	92.581993
2	23804	Elwyn	RECLOSER	ER268	2024-03-09	16419	12510601	31819	761.958767	1.937937	393.180206
3	23675	Montour	S.S. BREAKER	BREAKER	2024-05-06	26130	12381162	95823	473.82939	3.667163	129.208665
4	23716	Pine Creek	FUSE LINK	Pole # 39414	2024-06-30	37926	11971402	83629	320.230387	2.247885	143.148931
5	23612	Findlay	S.S. BREAKER	BREAKER	2024-05-11	39849	10594816	132516	266.337385	3.329493	79.951122
6	23868	Wildwood	S.S. BREAKER	BREAKER	2024-05-23	33626	10502046	91054	316.342651	2.741141	115.338656
7	23614	Findlay	FUSE LINK	Pole # 337220	2024-06-07	30512	10235146	37142	335.446578	1.217291	275.567982
8	23620	Raccoon	FUSE LINK	Pole # 128264	2024-06-11	28166	9534628	37821	338.515515	1.342789	252.098781
9	22869	Midland-Cooks Ferry	RECLOSER	WR946	2024-06-24	31120	9366312	75223	300.974035	2.41719	124.513938
10	23970	Port Perry	RECLOSER	ER824	2024-06-26	37754	9268175	38679	245.488557	1.0245	239.617751
11	23920	Logans Ferry	SECTIONALIZER	EA76	2024-03-23	26336	9230176	97753	350.47752	3.711762	94.423455
12	23791	Legionville	RECLOSER	WR559	2024-04-17	17678	9163679	35989	518.366274	2.035806	254.62444
13	23714	Pine Creek	RECLOSER	WR976	2024-05-25	23632	9078406	62028	333.458622	2.437292	146.359805
14	22855	Findlay-Montour No.2	S.S. BREAKER	BREAKER	2024-04-03	10800	8670700	76668	802.842592	7.098888	113.09412
15	23631	Sewickley	FUSE LINK	Pole # 113344	2024-05-18	32880	8552253	63287	260.105017	1.924786	135.134435
16	4628	Trafford	S.S. BREAKER	BREAKER	2023-08-05	5770	8527894	12416	1477.97123	2.151819	686.847132
17	23770	Traverse Run	RECLOSER	WR545	2024-05-11	18265	8365226	57201	457.992115	3.131727	146.242653
18	23640	Midland	FUSE LINK	Pole # 326481	2024-06-14	31306	8324370	72598	265.903341	2.31898	114.663902
19	23670	Montour	FUSE LINK	Pole # 196741	2024-02-23	29050	8052891	66851	268.062739	2.209085	120.460292
20	23713	Pine Creek	RECLOSER	WR1004	2024-05-26	30225	7679963	68671	261.028435	2.346072	111.837063
21	23613	Findlay	RECLOSER	ER626	2024-06-30	27783	7455316	70063	268.340927	2.521792	106.408746
22	23623	Raccoon	S.S. BREAKER	BREAKER	2024-04-13	29554	7000991	42740	236.888102	1.446166	163.804188
23	22366	Woodville-Kirwan	SECTIONALIZER	SWA180	2024-01-08	8112	6639384	25500	818.464496	3.14349	260.368
24	23750	Dravosburg	FUSE LINK	Pole # 102475	2024-03-09	30215	6629673	58465	219.416613	1.934965	113.395587
25	23650	Neville	FUSE LINK	Pole # 370835	2024-05-01	37675	6502165	56284	170.872217	1.482338	115.524216
26	23953	Evergreen	S.S. BREAKER	BREAKER	2024-06-07	36135	6465810	52752	178.934827	1.459858	122.569949
27	23921	Logans Ferry	FUSE LINK	Pole # 17145	2024-05-27	30891	6361739	51997	205.941503	1.68324	122.348193

¹ The "Device" column indicates the device that most frequently operated and locked out in response to a fault.