

**Kimberly A. Klock**  
Assistant General Counsel

**PPL**  
645 Hamilton Street, Suite 700  
Allentown, PA 18101  
Tel. 610.774.5696 Fax 610.774.4102  
KKlock@pplweb.com



**E-FILE**

May 1, 2025

Matthew Homsher, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

**Re: PPL Electric Utilities Corporation  
Quarterly Reliability Report for the  
Period Ended March 31, 2025  
Docket No. M-2023-3039027**

Dear Secretary Homsher:

Enclosed for filing on behalf of PPL Electric Utilities Corporation ("PPL Electric") is the **NON-CONFIDENTIAL** version of PPL Electric's Quarterly Reliability Report for the Period Ended March 31, 2025. The report is being filed pursuant to 52 Pa. Code § 57.195(d).

Pursuant to 52 Pa. Code § 1.11, the enclosed document is to be deemed filed on May 1, 2025, which is the date it was filed electronically with the Commission's E-Filing System.

A proprietary and confidential version of this report has also been filed with the Commission on this date via overnight delivery.

If you have any questions regarding this document, please call me at (610) 774-5696.

Respectfully submitted,

A handwritten signature in blue ink that reads "Kimberly A. Klock". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Kimberly A. Klock

Enclosures

cc via email: Darryl Lawrence, Esquire  
NazAarah Sabree

John Van Zant



**PPL Electric Utilities**

**PPL Electric Utilities Corporation**  
**Quarterly Reliability Report**  
**to the**  
**Pennsylvania Public Utility Commission**

*April 2025*

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

No major events occurred during the first quarter of 2025.

**2) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the EDC'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.**

The following table provides data for the 12 months ending March 31, 2025.

SAIFI	BM 0.98	1.05
	STD 1.18	1.05
CAIDI (Benchmark = 145; Rolling 12-month Std. = 174)	BM 145	333
	STD 174	333
SAIDI (Benchmark = 142; Rolling 12-month Std. = 205)	BM 142	350
	STD 205	350
MAIFI		8.9
Average Number of Customers Served <sup>1</sup>		1,472,169
Number of Sustained Customer Interruptions (Trouble Cases)		28,422
Number of Customers Affected		1,543,230
Customer Minutes of Interruptions (CMI)		513,892,773
Number of Customer Momentary Interruptions		13,111,183

During the first quarter, there were no (0) PUC Major Events, two (2) PUC reportable events, and ten (10) other storms that did not rise to the level of reportability.

For the rolling four quarters ending on 3/31/2025, storm impacts remain highly elevated by historical standards. Although there were 12 storm events in the first quarter, PPL Electric's metrics improved versus the prior quarter with SAIFI improving by 14%, SAIDI by 22%, and CAIDI by 10%.

Because weather has a significant impact on volatility in reliability metrics, PPL Electric's IEEE Metrics are shown below. The IEEE 1366 Standard is a widely used methodology that allows for weather normalized performance evaluation that better reflects system performance during non-major storm events. The table below lists PPL Electric's IEEE performance metrics compared to the 2023 performance quartiles for large utilities

---

<sup>1</sup> PPL Electric calculates the annual indices using customers served at the end of period. This is consistent with the method used to calculate PPL Electric's benchmarks.

nationally, as issued by the IEEE Annual Reliability Survey<sup>2</sup>. This survey comprises 73 utilities serving 74 million customers across the country.

	IEEE CAIDI	IEEE SAIFI	IEEE SAIDI
2020	100	0.69	69
2021	124	0.68	85
2022	121	0.74	89
2023	142	0.64	91
Rolling 4Q ending 3/31/2025	135	0.65	88
IEEE First Quartile Ceiling	110	0.74	85
IEEE Second Quartile Ceiling	136	0.98	119

PPL Electric has been a top quartile IEEE SAIFI performer since 2014.

---

<sup>2</sup> <https://cmte.ieee.org/pes-drwg/benchmarking/>

**3) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, CMI, 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 EDC defines its worst performing circuits shall be included.**

The following table provides PUC reliability values for the worst performing 5% of the circuits in the system for the 12 months ending at the current quarter. An explanation of how PPL Electric defines its worst performing circuits is included in Appendix A.

WPC Rank	Feeder ID	SAIDI	SAIFI	CAIDI	Customers	Cases of Trouble	Customer Minutes Interrupted (CMI)	Customer Interruptions (CI)
1	14009	4,338	8.03	540	155	31	672,345	1,244
2	12402	3,976	8.68	458	569	99	2,262,268	4,940
3	40601	1,409	4.23	333	877	50	1,235,761	3,714
4	42101	7,935	4.04	1,963	24	3	190,429	97
5	28602	1,261	4.03	313	1,980	118	2,497,415	7,984
6	24602	3,175	5.27	602	1,451	132	4,606,442	7,650
7	41802	373	1.92	194	534	40	199,158	1,024
8	13603	1,206	5.07	238	550	32	663,312	2,786
9	18001	1,232	3.57	345	699	94	861,489	2,496
10	43401	2,196	4.75	462	1,016	102	2,230,679	4,826
11	27102	3,365	4.94	681	985	109	3,314,244	4,868
12	23504	723	3.18	227	457	5	330,378	1,453
13	25801	1,322	4.18	316	1,869	121	2,471,184	7,809
14	20401	554	1.55	358	1,330	75	737,284	2,057
15	16802	1,954	3.26	599	894	82	1,746,641	2,917
16	14008	1,122	4.44	253	802	82	900,217	3,564
17	13601	1,124	3.83	293	1,138	72	1,278,558	4,364
18	47002	589	3.62	163	2,063	99	1,214,830	7,461
19	43101	469	2.55	184	770	32	360,859	1,962
20	28604	1,148	3.86	298	1,853	136	2,128,037	7,145
21	18501	1,069	2.77	386	1,467	68	1,568,510	4,059
22	26704	2,225	2.85	780	939	70	2,089,064	2,679
23	23510	567	3.24	175	115	5	65,159	373
24	23401	2,165	5.50	394	1,756	152	3,801,868	9,650

WPC Rank	Feeder ID	SAIDI	SAIFI	CAIDI	Customers	Cases of Trouble	Customer Minutes Interrupted (CMI)	Customer Interruptions (CI)
25	59201	1,347	3.66	368	192	17	258,611	703
26	25501	3,395	3.57	952	1,721	160	5,842,197	6,136
27	53601	502	3.15	160	1,127	70	565,613	3,546
28	46302	2,540	4.37	582	1,118	98	2,840,136	4,881
29	28102	5,044	3.56	1,415	1,103	88	5,564,039	3,932
30	26602	2,631	5.68	463	667	32	1,754,998	3,788
31	16801	1,053	4.88	216	1,675	138	1,763,981	8,170
32	16803	979	2.98	329	1,142	108	1,117,566	3,398
33	10601	997	1.92	518	1,697	121	1,692,699	3,265
34	11003	1,100	2.14	514	723	38	795,620	1,548
35	58301	175	0.65	268	86	2	15,017	56
36	45002	455	3.90	117	1,465	59	666,555	5,707
37	54201	123	1.30	94	628	21	76,965	819
38	15704	670	3.41	196	1,299	78	869,770	4,434
39	63403	1,681	3.42	491	1,525	75	2,562,796	5,219
40	10904	1,426	3.25	439	1,743	195	2,484,998	5,657
41	53803	461	2.33	198	348	20	160,394	811
42	26001	2,757	3.21	859	1,473	145	4,060,583	4,729
43	54101	536	2.60	206	1,709	95	915,683	4,438
44	46701	1,193	6.84	174	671	47	800,398	4,588
45	24603	2,639	3.73	707	1,410	124	3,720,674	5,262
46	26603	2,596	5.26	494	1,053	103	2,733,902	5,537
47	58402	599	3.43	175	1,783	65	1,068,786	6,116
48	49804	941	1.89	498	1,376	102	1,294,576	2,598
49	64802	562	4.45	126	1,305	87	733,691	5,811
50	45101		87.21	195	24	6	408,556	2,093
51	22601	1,947	4.35	447	1,254	86	2,441,301	5,458
52	24401	5,476	3.38	1,620	1,276	115	6,987,457	4,312
53	10401	370	1.88	197	641	33	237,218	1,203
54	59202	710	2.82	251	1,798	87	1,276,030	5,077
55	20601	1,036	3.07	337	1,491	48	1,544,686	4,579
56	15701	313	1.18	265	1,188	47	371,895	1,403
57	46004	1,915	3.98	481	2,092	133	4,006,933	8,328
58	24203	561	2.65	212	670	26	375,548	1,774
59	21203	4,010	4.58	875	1,200	105	4,811,572	5,501
60	13703	517	2.05	253	22	3	11,363	45
61	16101	1,218	3.44	354	1,584	137	1,930,054	5,455
62	42401	1,387	3.54	392	715	52	991,349	2,532
63	25402	839	2.49	337	1,837	116	1,542,107	4,579
64	55002	475	2.70	176	787	69	373,832	2,123

*Specific remedial efforts taken and planned for the worst performing 5% of the circuits identified in paragraph (3).*

**01 Circuit 14009 -- SELLERSVILLE 40-09**

Remedial Actions

Year	Remediation	Complete
2025	Evaluate installing sectionalizing devices	N
2025	Evaluate reconductoring	N
2025	Evaluate removing section of conductor	N
2025	Install Smart Grid devices	N
2025	Relocate sections of conductor	N

**02 Circuit 12402 -- MILFORD 24-02**

Remedial Actions

Year	Remediation	Complete
2024	Perform full circuit trimming	Y
2024	Replace reclosers	Y
2025	Evaluate single-phase relocation	N
2025	Install single-phase reclosers	N
2025	Replace single-phase reclosers	N
2025	Evaluate tree-shielding cable	N
2025	Install animal guarding	N
2025	Install fusing	N
2026	Reconductor single-phase sections	N
2026	Extend section of conductor	N
2026	Install Smart Grid devices	N
2026	Construct tie lines	N
2026	Upgrade poles	N

**03 Circuit 40601 -- PINE GROVE 06-01**

Remedial Actions

Year	Remediation	Complete
2024	Perform hot spot tree trimming	Y
2024	Replace poles	Y
2025	Install proactive fault sensors	N
2025	Evaluate storm hardening	N
2025	Install fusing	N
2025	Replace poles	N
2026	Reconductor sections of line	N
2026	Install Smart Grid devices	N
2026	Perform storm hardening	N

**04 Circuit 42101 -- FRAILEY 69/23 KV LINE 21-01**

Remedial Actions

Year	Remediation	Complete
2025	Replace Smart Grid devices	N
2025	Install new conductor	N
2025	Rebuild substation	N
2025	Relocate conductor	N
2025	Install poles	N
2026	Convert circuit to 12kV to improve tie capability	N
2026	Construct tie lines	N

**05 Circuit 28602 -- BLYTHEBURN 86-02**

Remedial Actions

Year	Remediation	Complete
2024	Install sectionalizing devices	Y
2024	Perform hot spot tree trimming	Y
2024	Perform full circuit trimming	Y
2025	Review and optimize coordination and protection	N
2025	Construct three-phase tie line	N
2025	Evaluate storm hardening	N
2025	Install fusing	N

## 06 Circuit 24602 -- VARDEN 46-02

### Remedial Actions

Year	Remediation	Complete
2024	Upgrade reclosers to Smart Grid devices	Y
2024	Perform full circuit trimming	Y
2024	Replace underground conductor	Y
2024	Upgrade Smart Grid devices	Y
2025	Replace single-phase reclosers	Y
2025	Replace poles	Y
2025	Install proactive fault sensors	N
2025	Install animal guarding	N
2025	Replace cross-arms	N

## 07 Circuit 41802 -- GOWEN CITY 18-02

### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Replace cross-arms	Y
2024	Replace poles	Y
2025	Reconductor sections of line	N
2025	Replace cross-arms	N
2025	Replace poles	N
2026	Construct three-phase tie line	N
2026	Relocate sections of conductor	N
2026	Replace Smart Grid devices	N

**08 Circuit 13603 -- RICHLAND 36-03**Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Perform full circuit trimming	Y
2024	Replace reclosers	Y
2025	Evaluate installing sectionalizing devices	N
2025	Evaluate single-phase reclosers	N
2025	Evaluate single-phase tie lines	N
2025	Evaluate three-phase tie line	N
2025	Evaluate tree-shielding cable	N
2025	Upgrade fuse to recloser	N
2025	Evaluate reconductoring	N
2025	Install fusing	N
2025	Relocate poles	N

**09 Circuit 18001 -- ZIONSVILLE 80-01**Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Perform full circuit trimming	Y
2024	Replace cross-arms	Y
2024	Replace poles	Y
2025	Install reclosers	Y
2025	Relocate single-phase conductor	N
2025	Evaluate constructing tie line	N
2025	Evaluate tree-shielding cable	N
2025	Install Smart Grid devices	N
2025	Evaluate storm hardening	N
2025	Replace poles	N

## 10 Circuit 43401 -- BENTON 34-01

### Remedial Actions

Year	Remediation	Complete
2024	Review and optimize coordination and protection	Y
2024	Relocate single-phase conductor	Y
2025	Relocate and reconductor line sections	N
2025	Underground three-phase conductor	N
2025	Install sectionalizing devices	N
2025	Remove conductor sections	N
2025	Perform storm hardening	N
2025	Install fusing	N

## 11 Circuit 27102 -- GREENFIELD 71-02

### Remedial Actions

Year	Remediation	Complete
2025	Review and optimize coordination and protection	N
2025	Install proactive fault sensors	N
2025	Relocate sections of conductor	N
2025	Install animal guarding	N
2025	Replace poles	N
2026	Perform storm hardening	N

## 12 Circuit 23504 -- GEORGETOWN 35-04

### Remedial Actions

Year	Remediation	Complete
2024	Replace underground conductor	Y
2024	Perform infrared scanning	Y
2024	Replace transformers	Y
2025	Perform Proactive Circuit Analysis	N

### 13 Circuit 25801 -- SULLIVAN TRAIL 58-01

#### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Relocate single-phase conductor	Y
2024	Perform hazard tree removal	Y
2025	Transfer section of conductor to neighboring circuit	N
2026	Underground single-phase conductor	N
2026	underground three-phase conductor	N
2026	Relocate single-phase conductor	N
2026	Construct three-phase tie line	N

### 14 Circuit 20401 -- ASHFIELD 04-01

#### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Install single-phase reclosers	Y
2024	Install Smart Grid devices	Y
2024	Remove conductor sections	Y
2024	Install fusing	Y
2025	Install Smart Grid devices	N
2025	Replace Smart Grid devices	N
2026	Upgrade conductor from single-phase to three-phase	N
2026	Upgrade conductor from two-phase to three-phase	N
2026	Split and relocate section of conductor	N
2026	Relocate and reconductor line sections	N
2026	Construct three-phase tie line	N

**15 Circuit 16802 -- WAGNERS 68-02**

Remedial Actions

Year	Remediation	Complete
2024	Install sectionalizing devices	Y
2024	Install single-phase reclosers	Y
2024	Replace cross-arms	Y
2024	Replace poles	Y
2025	Construct single-phase tie line	N
2025	Install single-phase reclosers	N
2025	Install animal guarding	N
2025	Replace poles	N
2027	Perform storm hardening	N

**16 Circuit 14008 -- SELLERSVILLE 40-08**

Remedial Actions

Year	Remediation	Complete
2024	Reconfigure single-phase sections	Y
2024	Install proactive fault sensors	Y
2025	Underground single-phase conductor	Y
2025	Evaluate relocation of single-phase conductor	N
2025	Reconfigure single-phase sections	N
2025	Evaluate single-phase tie lines	N
2025	Install single-phase reclosers	N
2025	Evaluate tree-shielding cable	N
2025	Evaluate Smart Grid devices	N
2025	Upgrade fuse to recloser	N
2025	Install animal guarding	N
2025	Install fusing	N
2027	Perform full circuit trimming	N

## 17 Circuit 13601 -- RICHLAND 36-01

### Remedial Actions

Year	Remediation	Complete
2024	Replace reclosers	Y
2025	Evaluate relocating three-phase sections	N
2025	Pursue additional trimming right-of-way	N
2025	Evaluate constructing tie line	N
2025	Evaluate tree-shielding cable	N
2025	Evaluate Smart Grid devices	N
2025	Evaluate reconductoring	N
2025	Evaluate fusing	N

## 18 Circuit 47002 -- HUGHESVILLE 70-02

### Remedial Actions

Year	Remediation	Complete
2024	Relocate single-phase conductor	Y
2025	Upgrade reclosers to Smart Grid devices	N
2025	Underground single-phase conductor	N
2025	Upgrade Smart Grid devices	N
2025	Install animal guarding	N
2026	Reconductor single-phase sections	N
2026	Construct three-phase tie line	N
2026	Install Smart Grid devices	N
2026	Remove conductor sections	N
2026	Perform storm hardening	N

## 19 Circuit 43101 -- SOUTH MILTON 31-01

### Remedial Actions

Year	Remediation	Complete
2025	Perform Proactive Circuit Analysis	N
2025	Install single-phase reclosers	N
2025	Relocate sections of conductor	N
2025	Replace poles	N
2026	Relocate Smart Grid device	N
2027	Perform full circuit trimming	N
2025	Perform Proactive Circuit Analysis	N

## 20 Circuit 28604 -- BLYTHEBURN 86-04

### Remedial Actions

Year	Remediation	Complete
2024	Perform full circuit trimming	Y
2025	Transfer section of conductor to neighboring circuit	N
2025	Relocate single-phase conductor	N
2025	Construct three-phase tie line	N
2025	Relocate three-phase conductor	N
2025	Replace single-phase reclosers	N
2025	Install Smart Grid devices	N
2025	Replace Smart Grid devices	N
2025	Install fusing	N

## 21 Circuit 18501 -- CANADENSIS 85-01

### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Perform hot spot tree trimming	Y
2024	Replace Smart Grid devices	Y
2024	Replace cross-arms	Y
2024	Replace poles	Y
2025	Install tree-shielding cable	N
2025	Replace Smart Grid devices	N
2025	Install animal guarding	N
2025	Upgrade transformers	N
2025	Replace reclosers	N
2025	Replace poles	N
2026	Perform full circuit trimming	N

## 22 Circuit 26704 -- HEMLOCK FARMS 67-04

### Remedial Actions

Year	Remediation	Complete
2024	Construct three-phase tie line	Y
2024	Remove conductor sections	Y
2024	Replace reclosers	Y
2024	Replace poles	Y
2025	Install Smart Grid devices	Y
2025	Install fusing	Y
2025	Install proactive fault sensors	N
2025	Replace porcelain cutouts	N
2025	Install animal guarding	N

## 23 Circuit 23510 -- GEORGETOWN 35-10

### Remedial Actions

Year	Remediation	Complete
2025	Transfer section of conductor to neighboring circuit	Y
2025	Install sectionalizing devices	N
2025	Install Smart Grid devices	N

## 24 Circuit 23401 -- HONESDALE 34-01

### Remedial Actions

Year	Remediation	Complete
2024	Reconductor single-phase sections	Y
2024	Perform hot spot tree trimming	Y
2024	Install fusing	Y
2025	Replace poles	Y
2025	Install proactive fault sensors	N
2025	Replace porcelain cutouts	N
2025	Install animal guarding	N
2025	Replace reclosers	N
2026	Perform full circuit trimming	N
2026	Perform storm hardening	N

## 25 Circuit 59201 -- THOMPSONTOWN 92-01

### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Perform full circuit trimming	Y
2025	Install fusing	Y
2025	Evaluate reconductoring	N

## 26 Circuit 25501 -- MADISONVILLE 55-01

### Remedial Actions

Year	Remediation	Complete
2024	Replace single-phase reclosers	Y
2024	Install Smart Grid devices	Y
2024	Replace poles	Y
2025	Install proactive fault sensors	Y
2025	Upgrade reclosers to Smart Grid devices	N
2025	Reconductor sections of line	N
2025	Install animal guarding	N
2026	Perform full circuit trimming	N
2026	Perform storm hardening	N

## 27 Circuit 53601 -- DALMATIA 36-01

### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Install three-phase reclosers	Y
2025	Install fusing	Y
2025	Evaluate reinforcement of three-phase tie line	N
2025	Evaluate relocation of single-phase conductor	N
2025	Evaluate relocation of three-phase conductor	N
2025	Evaluate reconductoring	N
2026	Construct three-phase tie line	N
2027	Perform full circuit trimming	N

## 28 Circuit 46302 – ROHRSBURG 63-02

### Remedial Actions

Year	Remediation	Complete
2026	Underground section of three-phase conductor	N
2026	Relocate sections of conductor	N
2026	Extend sections of conductor	N
2026	Reconductor sections of line	N
2026	Install Smart Grid devices	N
2026	Perform storm hardening	N

## 29 Circuit 28102 – TWIN LAKES 81-02

### Remedial Actions

Year	Remediation	Complete
2024	Install single-phase reclosers	Y
2024	Replace poles	Y
2025	Install proactive fault sensors	Y
2025	Replace lightning arrester	Y
2025	Perform Proactive Circuit Analysis	N
2025	Install Smart Grid devices	N
2025	Replace porcelain cutouts	N
2025	Install animal guarding	N
2025	Replace cross-arms	N
2025	Replace poles	N
2026	Perform full circuit trimming	N

## 30 Circuit 26602 – BROOKSIDE 66-02

### Remedial Actions

Year	Remediation	Complete
2024	Perform full circuit trimming	Y
2025	Review and optimize coordination and protection	N
2025	Install proactive fault sensors	N
2025	Optimize recloser settings	N
2025	Replace transformers	N
2025	Construct tie line	N
2025	Replace poles	N

### 31 Circuit 16801 – WAGNERS 68-01

#### Remedial Actions

Year	Remediation	Complete
2024	Replace Smart Grid devices	Y
2024	Replace poles	Y
2025	Install animal guarding	N
2026	Reconductor single-phase sections	N
2026	Construct single-phase tie line	N
2026	Install single-phase reclosers	N
2026	Install tree-shielding cable	N
2026	Install Smart Grid devices	N

### 32 Circuit 16803 – WAGNERS 68-03

#### Remedial Actions

Year	Remediation	Complete
2024	Install sectionalizing devices	Y
2024	Replace transformers	Y
2024	Replace poles	Y
2025	Install single-phase reclosers	Y
2025	Install animal guarding	N
2025	Evaluate tie line	N
2025	Replace poles	N

### 33 Circuit 10601 – BLOOMING GLEN 06-01

#### Remedial Actions

Year	Remediation	Complete
2025	Relocation of single-phase sections	N
2025	Reconductor single-phase sections	N
2025	Install tree-shielding cable	N
2025	Install Smart Grid devices	N
2025	Perform storm hardening	N
2025	Install fusing	N
2026	Underground conductor	N

### 34 Circuit 11003 – EAST GREENVILLE 10-03

#### Remedial Actions

Year	Remediation	Complete
2025	Transfer section of conductor to neighboring circuit	Y
2025	Evaluate constructing three-phase tie line	N
2025	Evaluate installing Smart Grid devices	N
2025	Evaluate tree-shielding cable	N
2025	Evaluate reconductoring	N

### 35 Circuit 58301 – NOTTINGHAM 83-01

#### Remedial Actions

Year	Remediation	Complete
2025	Install single-phase reclosers	N
2025	Evaluate reconductoring	N
2025	Evaluate fusing	N

### 36 Circuit 45002 – LIMESTONE 50-02

#### Remedial Actions

Year	Remediation	Complete
2024	Install fusing	Y
2025	Evaluate hot spot tree trimming	N
2025	Install Smart Grid devices	N
2025	Evaluate storm hardening	N
2026	Upgrade substation transformer	N
2027	Construct three-phase tie line	N
2027	Perform full circuit trimming	N

### 37 Circuit 54201 – PENNSBORO 42-01

#### Remedial Actions

Year	Remediation	Complete
2024	Perform full circuit trimming	Y
2025	Install proactive fault sensors	N
2025	Evaluate reconductoring	N
2025	Install animal guarding	N
2025	Evaluate fusing	N
2025	Install fusing	N

### 38 Circuit 15704 – TANNERSVILLE 57-04

#### Remedial Actions

Year	Remediation	Complete
2024	Replace Smart Grid devices	Y
2024	Replace poles	Y
2025	Install single-phase reclosers	Y
2025	Replace transformers	Y
2025	Relocate single-phase conductor	N
2025	Perform full circuit trimming	N
2025	Install Smart Grid devices	N
2025	Install voltage regulator	N
2025	Install animal guarding	N
2025	Replace poles	N

### 39 Circuit 63403 – HONEYBROOK 34-03

#### Remedial Actions

Year	Remediation	Complete
2024	Perform hot spot tree trimming	Y
2024	Install fusing	Y
2025	Replace cross-arms	Y
2025	Replace poles	Y
2025	Evaluate transfer of section to neighboring circuit	N
2025	Install proactive fault sensors	N
2025	Install single-phase reclosers	N
2025	Evaluate reconductoring	N
2025	Install fusing	N
2026	Reconductor single-phase sections	N

### 40 Circuit 10904 – COOPERSBURG 09-04

#### Remedial Actions

Year	Remediation	Complete
2025	Install fusing	Y
2025	Upgrade reclosers to Smart Grid devices	N
2025	Reconductor single-phase sections	N
2025	Reconfigure single-phase sections	N
2025	Construct tie lines	N
2025	Upgrade poles	N
2026	Perform full circuit trimming	N

### 41 Circuit 53803 – MILLERSBURG 38-03

#### Remedial Actions

Year	Remediation	Complete
2025	Install fusing	Y
2025	Reconductor single-phase sections	N
2025	Install proactive fault sensors	N
2025	Relocate single-phase conductor	N
2025	Evaluate fusing	N

### 42 Circuit 26001 -- WEST DAMASCUS 60-01

#### Remedial Actions

Year	Remediation	Complete
2024	Install animal guarding	Y
2024	Replace cross-arms	Y
2024	Replace reclosers	Y
2025	Install proactive fault sensors	N
2025	Install single-phase reclosers	N
2025	Upgrade Smart Grid devices	N
2025	Replace porcelain cutouts	N
2025	Replace transformers	N
2025	Replace reclosers	N
2025	Replace poles	N
2026	Evaluate storm hardening	N
2026	Perform storm hardening	N

### 43 Circuit 54101 -- S SHERMANSDALE 41-01

#### Remedial Actions

Year	Remediation	Complete
2023	Install proactive fault sensors	Y
2024	Perform full circuit trimming	Y
2024	Install fusing	Y
2025	Evaluate converting recloser to three-phase operability	N
2025	Evaluate re-sourcing single-phase section	N
2025	Convert recloser to remote operability	N
2025	Evaluate single-phase reconductoring	N
2025	Evaluate single-phase relocation	N
2025	Evaluate constructing tie line	N
2025	Evaluate three-phase reclosers	N
2025	Install single-phase reclosers	N
2025	Evaluate three-phase tie line	N
2025	Install fusing	N

### 44 Circuit 46701 -- RENOVO 67-01

#### Remedial Actions

Year	Remediation	Complete
2024	Upgrade reclosers to Smart Grid devices	Y
2024	Install proactive fault sensors	Y
2024	Install animal guarding	Y
2025	Evaluate relocation and reconductoring of substation getaway	N
2025	Evaluate hot spot tree trimming	N
2025	Install sectionalizing devices	N
2025	Evaluate tree-shielding cable	N
2025	Evaluate undergrounding	N
2026	Perform storm hardening	N

#### 45 Circuit 24603 -- VARDEN 46-03

##### Remedial Actions

Year	Remediation	Complete
2024	Remove conductor sections	Y
2024	Replace reclosers	Y
2024	Replace poles	Y
2025	Install proactive fault sensors	N
2025	Install single-phase reclosers	N
2025	Perform full circuit trimming	N
2025	Replace porcelain cutouts	N
2025	Replace reclosers	N
2025	Replace poles	N

#### 46 Circuit 26603 -- BROOKSIDE 66-03

##### Remedial Actions

Year	Remediation	Complete
2025	Replace poles	Y
2025	Underground single-phase conductor	N
2025	Install proactive fault sensors	N
2025	Relocate sections of conductor	N
2025	Perform full circuit trimming	N
2025	Install tree-shielding cable	N
2025	Reconductor sections of line	N
2025	Perform storm hardening	N
2025	Construct tie line	N
2025	Replace reclosers	N

#### 47 Circuit 58402 -- MOUNT ROCK 84-02

##### Remedial Actions

Year	Remediation	Complete
2023	Perform full circuit trimming	Y
2024	Install fusing	Y
2025	Construct tie line	Y
2025	Evaluate converting tie line to remote operability	N
2025	Evaluate re-sourcing single-phase section	N
2025	Install proactive fault sensors	N
2025	Evaluate fusing	N
2026	Install three-phase sectionalizing devices	N
2026	Reconductor single-phase sections	N
2026	Install single-phase reclosers	N

## 48 Circuit 49804 -- UNIVERSITY 98-04

### Remedial Actions

Year	Remediation	Complete
2024	Review and optimize coordination and protection	Y
2024	Perform Proactive Circuit Analysis	Y
2024	Construct three-phase tie line	Y
2024	Install fusing	Y
2025	Reframe lines outside of substation	N
2025	Underground single-phase conductor	N
2025	Evaluate conductor relocation	N
2025	Perform full circuit trimming	N
2026	Reconductor single-phase sections	N
2026	Reconductor three-phase section	N
2026	Relocate sections of conductor	N
2026	Refeed section of conductor	N
2026	Perform storm hardening	N

## 49 Circuit 64802 -- MOUNT NEBO 48-02

### Remedial Actions

Year	Remediation	Complete
2024	Upgrade reclosers to Smart Grid devices	Y
2024	Install proactive fault sensors	Y
2024	Perform hot spot tree trimming	Y
2025	Evaluate single-phase reclosers	N
2025	Install Smart Grid devices	N
2025	Evaluate reconductoring	N
2025	Evaluate fusing	N
2026	Perform full circuit trimming	N
2026	Evaluate single-phase relocation	N

## 50 Circuit 45101 -- CASS 69/23 KV LINE 51-01

### Remedial Actions

Year	Remediation	Complete
2025	Convert circuit to 12kV to improve tie capability	N
2025	Relocate sections of conductor	N
2025	Construct tie lines	N
2025	Rebuild substation	N
2025	Install poles	N
2025	Replace poles	N
2026	Perform full circuit trimming	N

## 51 Circuit 22601 -- KIMBLES 26-01

### Remedial Actions

Year	Remediation	Complete
2025	Install animal guarding	Y
2025	Install single-phase reclosers	N
2025	Replace reclosers	N
2025	Replace poles	N
2027	Perform full circuit trimming	N

## 52 Circuit 24401 -- TINKER 44-01

### Remedial Actions

Year	Remediation	Complete
2024	Replace voltage regulators	Y
2025	Replace poles	Y
2025	Install proactive fault sensors	N
2025	Install single-phase reclosers	N
2025	Relocate sections of conductor	N
2025	Replace porcelain cutouts	N
2025	Replace underground cable	N
2026	Replace reclosers	N
2027	Perform full circuit trimming	N

### 53 Circuit 10401 -- LITTLE GAP 04-01

#### Remedial Actions

Year	Remediation	Complete
2025	Install Smart Grid devices	Y
2025	Evaluate upgrade to covered conductor or tree-shielding cable	N
2025	Evaluate undergrounding	N
2027	Perform full circuit trimming	N

### 54 Circuit 59202 -- THOMPSONTOWN 92-02

#### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Repair section of conductor	Y
2025	Replace switch(es)	Y
2025	Evaluate reconductoring single-phase sections	N
2025	Evaluate reconductoring three-phase sections	N
2025	Evaluate single-phase reclosers	N
2025	Evaluate conductor relocations	N
2025	Evaluate three-phase reclosers	N
2025	Install single-phase reclosers	N
2025	Evaluate re-sourcing sections	N
2025	Evaluate undergrounding	N
2025	Replace reclosers	N

### 55 Circuit 20601 -- GREENWOOD 06-01

#### Remedial Actions

Year	Remediation	Complete
2024	Replace single-phase conductor	Y
2025	Replace Smart Grid devices	Y
2026	Convert existing sectionalizers to Smart Grid devices	N
2026	Construct three-phase tie line	N
2026	Relocate and upgrade conductor	N
2026	Install Smart Grid devices	N
2026	Perform storm hardening	N
2026	Relocate conductor	N
2027	Perform full circuit trimming	N

**56 Circuit 15701 -- TANNERSVILLE 57-01**Remedial Actions

Year	Remediation	Complete
2025	Upgrade reclosers to Smart Grid devices	Y
2025	Replace reclosers	Y
2025	Install fusing	Y
2025	Replace poles	Y
2025	Install proactive fault sensors	N
2025	Install single-phase reclosers	N
2025	Extend section of conductor	N
2025	Install Smart Grid devices	N
2025	Install animal guarding	N

**57 Circuit 46004 -- BERWICK 60-04**Remedial Actions

Year	Remediation	Complete
2024	Review and optimize coordination and protection	Y
2024	Perform full circuit trimming	Y
2025	Perform Proactive Circuit Analysis	N
2025	Evaluate three-phase tie line	N
2026	Underground single-phase conductor	N
2026	Relocate sections of conductor	N
2026	Perform storm hardening	N

**58 Circuit 24203 -- PROVIDENCE 42-03**Remedial Actions

Year	Remediation	Complete
2025	Perform full circuit trimming	N
2025	Replace cross-arms	N
2025	Replace poles	N

**59 Circuit 21203 -- EAST CARBONDALE 12-03**Remedial Actions

Year	Remediation	Complete
2025	Install animal guarding	Y
2025	Install proactive fault sensors	N
2025	Perform hot spot tree trimming	N
2025	Replace reclosers	N
2026	Perform full circuit trimming	N
2026	Replace reclosers	N

**60 Circuit 13703 -- SCHNECKSVILLE 37-03**Remedial Actions

Year	Remediation	Complete
2025	Evaluate loop for underground section	N
2025	Evaluate replacing underground cable	N
2026	Perform full circuit trimming	N

**61 Circuit 16101 -- BINGEN 61-01**Remedial Actions

Year	Remediation	Complete
2024	Reconfigure single-phase sections	Y
2024	Perform hot spot tree trimming	Y
2024	Install single-phase switches	Y
2024	Install lightning arrestors	Y
2024	Install animal guarding	Y
2024	Replace poles	Y
2025	Underground single-phase conductor	N
2025	Reconductor single-phase sections	N
2025	Upgrade single-phase reclosers	N
2025	Construct tie lines	N
2025	Upgrade poles	N
2027	Perform full circuit trimming	N

## 62 Circuit 42401 -- GIRARD MANOR 24-01

### Remedial Actions

Year	Remediation	Complete
2024	Review and optimize coordination and protection	Y
2024	Replace Smart Grid devices	Y
2024	Install fusing	Y
2025	Reconductor three-phase sections	N
2025	Relocate sections of conductor	N
2025	Install Smart Grid devices	N
2025	Replace cross-arms	N
2025	Install fusing	N
2025	Replace poles	N
2027	Perform full circuit trimming	N

## 63 Circuit 25402 -- LAKE HARMONY 54-02

### Remedial Actions

Year	Remediation	Complete
2025	Refeed section of conductor	Y
2025	Install Smart Grid devices	Y
2025	Install fusing	Y
2025	Perform full circuit trimming	N
2027	Perform storm hardening	N

## 64 Circuit 55002 -- NEWPORT 50-02

### Remedial Actions

Year	Remediation	Complete
2024	Install proactive fault sensors	Y
2024	Install fusing	Y
2025	Evaluate constructing three-phase tie line	N
2025	Evaluate relocating single-phase sections	N
2025	Reconductor single-phase sections	N
2025	Perform full circuit trimming	N

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.*

The following table shows a breakdown of service interruption causes for the 12 months ended at the current quarter.

Cause Description	Trouble Cases	Percent of Trouble Cases	Customer Interruptions	Percent of Customer Interruptions	Customer Minutes	Percent of Customer Minutes
<b>Animals</b>	4,550	16.0%	77,780	5.0%	6,362,309	1.2%
<b>Contact / Dig-In</b>	183	0.6%	7,440	0.5%	742,460	0.1%
<b>Directed by Non-PPL Authority</b>	58	0.2%	4,709	0.3%	790,050	0.2%
<b>Equipment Failures</b>	5,590	19.7%	310,482	20.1%	41,742,266	8.1%
<b>Improper Design</b>	5	0.0%	1,997	0.1%	94,379	0.0%
<b>Improper Installation</b>	3	0.0%	1,069	0.1%	275,702	0.1%
<b>Improper Operation</b>	8	0.0%	3,480	0.2%	111,930	0.0%
<b>Nothing Found</b>	1,316	4.6%	68,618	4.4%	11,687,288	2.3%
<b>Other Controllable</b>	67	0.2%	11,607	0.8%	1,526,311	0.3%
<b>Other Non Control</b>	428	1.5%	27,150	1.8%	4,955,728	1.0%
<b>Other Public</b>	34	0.1%	15,134	1.0%	2,096,773	0.4%
<b>Tree Related</b>	15,400	54.2%	905,001	58.6%	429,856,577	83.6%
<b>Unknown</b>	-	0.0%	-	0.0%	-	0.0%
<b>Vehicles</b>	780	2.7%	108,763	7.0%	13,650,999	2.7%
<b>Total</b>	<b>28,422</b>	<b>100%</b>	<b>1,543,230</b>	<b>100%</b>	<b>513,892,773</b>	<b>100%</b>

Analysis of causes contributing to the majority of service interruptions:

**Weather Conditions:** PPL Electric records weather conditions, such as wind or lightning, as contributing factors to service interruptions, but does not code them as direct interruption causes. Therefore, some fluctuations in cause categories, especially tree and equipment related causes, are attributable to weather variations. For the current reporting period, weather was considered a significant contributing cause in 58% of cases, 86% of customer interruptions, and 95% of CMI.

**Tree Related:** Vegetation is one of the largest single contributors to the number of cases of trouble, customer interruptions and customer minutes. For the current reporting period, approximately 84% of the cases of trouble, 86% of the customer interruptions and 95% of the customer minutes attributed to tree related outages were weather-related.

**Animals:** Animals accounted for approximately 15% of PPL Electric's cases of trouble. Although this represents a significant number of cases, the effect on SAIFI and CAIDI is small because approximately 74% of the number of cases of trouble were associated with individual distribution transformers. PPL Electric has distribution and substation animal guarding programs to focus on systematically protecting existing facilities most at risk of incurring animal-caused interruptions. All PPL Electric substations are animal guarded.

**Vehicles:** Although vehicles cause a small percentage of the number of cases of trouble, they can account for a larger percentage of customer interruptions and customer minutes, because main distribution lines generally are located along major thoroughfares with higher traffic densities. In addition, vehicle-related cases often result in extended repair times to replace broken poles. PPL Electric has a program to identify and relocate poles that are subject to multiple vehicle hits.

**Equipment Failure:** Equipment failure is one of the largest single contributors to the number of cases of trouble, customer interruptions and customer minutes. However, approximately 33% of the cases of trouble, 37% of the customer interruptions and 53% of the customer minutes attributed to equipment failure were weather-related and, as such, are not considered to be strong indicators of equipment condition or performance.

**Nothing Found:** This description is recorded when the responding crew can find no cause for the interruption. That is, when there is no evidence of equipment failure, damage, or contact after a line patrol is completed. For example, during heavy thunderstorms, when a line fuse blows and, when closed for test, the fuse holds, and a patrol reveals nothing.

6) *Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/objectives. (For first, second and third quarter reports only.)*

Inspection & Maintenance Goals/Objectives	Annual Budget (units)	1st Quarter		Year-to-date	
		Budget	Actual	Budget	Actual
<b>Transmission</b>					
Transmission C-tag poles (# of poles)	58	1	1	1	1
Transmission arm replacements (# of arms)	1	0	0	0	0
Transmission air break switch inspections (# of switches)	2	2	2	2	2
Transmission surge arrester installations (# of sets)	11	1	1	1	1
Transmission structure inspections (# of activities)	7,327	2,904	2,904	2,904	2,904
Transmission tree side trim-Bulk Power (linear feet)	N/A		15,470		15,470
Transmission herbicide-Bulk Power (# of acres)	N/A		65		65
Transmission reclearing (# of miles) BES Only	712	380	380	380	380
Transmission reclearing (# of miles) 69 kV	1,557	391	391	391	391
Transmission reclearing (# of miles) 138 kV	204	80	80	80	80
Transmission danger tree removals-Bulk Power (# of trees)	N/A		1,436		1,436
<b>Substation</b>					
Substation batteries (# of activities)	0	0	164	0	164
Circuit breakers (# of activities)	0	0	5	0	5
Substation inspections (# of activities)	1,460	365	383	365	383
Transformer maintenance (# of activities)	632	158	29	158	29

Inspection & Maintenance Goals/Objectives	Annual Budget (units)	1st Quarter		Year-to-date	
		Budget	Actual	Budget	Actual
<b>Distribution</b>					
Distribution C-tag poles replaced (# of poles)	2,500	625	1,221	625	1,221
C-truss distribution poles (# of poles)	1,500	0	0	0	0
Capacitor (MVAR added)	N/A				
OCR Replacements (# of)	200 - 230	50	41	50	41
Distribution pole inspections (# of poles)	104,000	6,197	6,197	6,197	6,197
Distribution line inspections (miles)	4,700	0	0	0	0
Group re-lamping (# of lamps)	0	0	0	0	0
Test sections of underground distribution cable	N/A		104		104
Distribution tree trimming (# of miles)	3,100		1,193		1,193
Distribution herbicide (# of acres)	N/A		138		138
Distribution >18" removals within R/W (# of trees)	N/A				
Distribution hazard tree removals outside R/W (# of trees)	N/A		3,013		3,013
LTN manhole inspections (# of)	0	0	0	0	0
LTN vault inspections (# of)	0	0	0	0	0
LTN network protector overhauls (# of)	0	0	1	0	0
LTN reverse power trip testing (# of)	0	0	0	0	0

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.*

The following table provides the operation and maintenance (O&M) expenses for PPL Electric which includes the work identified in response to Item (6).

Activity	1st Quarter			Year-to-date	
	Annual Budget (000s)	Budget (\$000)	Actual (\$000)	Budget (\$000)	Actual (\$000)
Provide Electric Service	7,012	1,971	2,244	1,971	2,244
Vegetation Management	33,351	10,482	10,989	10,482	10,989
Customer Response	60,298	15,074	17,233	15,074	17,233
Reliability Maintenance	16,964	4,261	5,372	4,261	5,372
System Upgrade	92	0	11	0	11
Customer Service/Accounts	187,078	51,705	40,223	51,705	40,223
Others	48,886	13,064	11,625	13,064	11,625
<b>Total O&amp;M Expenses</b>	<b>353,681</b>	<b>96,557</b>	<b>87,697</b>	<b>96,557</b>	<b>87,697</b>

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.*

The following table provides the capital expenditures for PPL Electric which includes transmission and distribution (“T&D”) activities.

Activity	1st Quarter			Year-to-date	
	Annual Budget (000s)	Budget (\$000)	Actual (\$000)	Budget (\$000)	Actual (\$000)
New Service/Revenue	138,754	44,513	53,566	44,513	53,566
System Upgrade	400,888	125,147	87,976	125,147	87,976
Reliability & Maintenance	657,008	153,092	135,744	153,092	135,744
Customer Response	76,363	17,277	22,220	17,277	22,220
Other	27,106	5,061	(15,543)	5,061	(15,543)
<b>Total</b>	<b>1,300,121</b>	<b>345,089</b>	<b>283,963</b>	<b>345,089</b>	<b>283,963</b>

- 9) *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 where appropriate.*

PPL Electric's call-out procedure is defined by bargaining unit agreements. Under the agreements, PPL Electric uses a computer-based callout roster to determine the order in which personnel are called to respond to after-hour emergencies in each geographic area. Personnel are called sequentially. When sufficient personnel cannot be secured from the rosters for that geographic area, rosters from adjacent areas are utilized.

The following table<sup>3</sup> shows the average response rate<sup>4</sup> for T&D personnel currently included in PPL Electric's measured call-out response program.

January	53%
February	86%
March	66%
<b>Quarter Average</b>	<b>66%</b>
<b>YTD Average</b>	<b>66%</b>

The following table shows the amount of time it takes to obtain necessary personnel:

	Callout Events	Workers Accepting	Average Response Time/Crew Call-out (MM:SS)	Average Response Time/Worker (MM:SS)
January	276	627	11:29	2:56
February	255	670	12:51	2:47
March	329	983	13:47	2:44
Quarter	860	2,280	12:48	2:49
<b>YTD</b>	<b>860</b>	<b>2,280</b>	<b>12:48</b>	<b>2:49</b>

---

<sup>3</sup> The statistics provided are based upon data available at the end of the quarter. Data corrections and additions made after the quarter's end may result in slight changes to the statistics.

<sup>4</sup> The response rate includes callouts of T&D maintenance workers for customer service interruptions and other work.

***PPL Electric Utilities Corporation***

***Worst Performing Circuit Definition***

PPL Electric uses a weighted circuit SAIDI and circuit SAIFI contribution over the previous three years to define the worst performing circuits on its system. IEEE Major Event days, transmission outages, and scheduled outages are excluded. This ranking system was put in place as of the first quarter of 2025.

***PPL Electric Utilities Corporation***  
***Job Descriptions***

***Transmission and Distribution***

Groundhand	<ul style="list-style-type: none"><li>• Performs manual labor and assists employees in higher job classifications.</li></ul>
Helper	<ul style="list-style-type: none"><li>• Performs semi-skilled labor at any work location on de-energized overhead and underground transmission, and distribution facilities to prepare the employee for entrance into the Journeyman Lineman Apprenticeship Program.</li></ul>
Journeyman Lineman	<ul style="list-style-type: none"><li>• Works alone or as part of a crew on the maintenance, operation, and construction activities of the transmission and distribution systems associated with, but not limited to, PPL Electric facilities.</li></ul>
Journeyman Lineman-Trainee	<ul style="list-style-type: none"><li>• Works alone or as part of a crew on the maintenance, operation, and construction activities of the transmission and distribution systems associated with, but not limited to, PPL Electric facilities.</li></ul>
Lineman Leader	<ul style="list-style-type: none"><li>• Responsible for completing assigned work by directing one or multiple groups of employees involved in the maintenance, operation, and construction activities of the transmission and distribution systems associated with, but not limited to, PPL Electric facilities.</li><li>• Engage in and perform work along with providing the necessary leadership, all-around knowledge, program, judgment, and experience to produce a quality job.</li><li>• Performs all the direct duties of the Journeyman Lineman when not acting as a Lineman Leader.</li></ul>
Troubleman	<ul style="list-style-type: none"><li>• Investigates and resolves trouble calls, voltage abnormalities on transmission and distribution systems associated with, but not limited to, PPL Electric facilities.</li></ul>

## Appendix B

### *Electrical*

Electrician Leader - Substation - Network - Underground	<ul style="list-style-type: none"><li>• Responsible for completing assigned work by directing one or multiple groups of employees involved in the construction and maintenance activities of the transmission and distribution systems associated with, but not limited to, PPL Electric facilities.</li><li>• Engage in and perform work along with providing the necessary leadership, all-around knowledge, program, judgment, and experience to produce a quality job.</li><li>• Performs all direct duties of the Journeyman Electrician when not acting as a leader.</li></ul>
Helper - Substation - Network - Underground	<ul style="list-style-type: none"><li>• Performs manual labor at any work location including those areas containing non-exposed energized electrical equipment, and to prepare the employee for entrance into the Apprenticeship Program.</li></ul>
Laborer - Substation - Network - Underground	<ul style="list-style-type: none"><li>• Performs manual labor and assists employees in higher job classifications.</li></ul>
Journeyman Electrician - Substation - Network - Underground	<ul style="list-style-type: none"><li>• Normally under limited supervision performs and is responsible for work associated with, but not limited to, PPL Electric facilities involving the highest degree of skill in construction and maintenance work associated with substations, LTN or underground distribution and transmission.</li><li>• Uses microprocessor-based equipment for troubleshooting and revising relay logic and its control systems related to the field services electrical discipline.</li></ul>

## Appendix B

<p>Journeyman Electrician - Trainee</p> <ul style="list-style-type: none"><li>- Substation</li><li>- Network</li><li>- Underground</li></ul>	<ul style="list-style-type: none"><li>• Normally under limited supervision performs and is responsible for work associated with, but not limited to, PPL Electric facilities involving the highest degree of skill in construction and maintenance work associated with substations, LTN or underground distribution and transmission.</li><li>• Uses microprocessor-based equipment for troubleshooting and revising relay logic and its control systems related to the field services electrical discipline.</li></ul>
--	--