



VIA E-FILE

October 9, 2023

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17120

**Re: PPL Electric Utilities Corporation
Report of Electric Service Interruptions
Due to a T&L Event on September 9 – September 10, 2023
Docket No. M-2021-3023564**

Dear Ms. Chiavetta:

PPL Electric Utilities Corporation (“PPL Electric”) hereby submits this Report of Electric Service Interruptions due to a thunder and lightning event between 17:00 on Saturday, September 9, 2023, and 17:00 on Sunday, September 10, 2023. This event caused 196 outage cases and 14,657 customer service interruptions and affected all regions of PPL Electric’s service territory. This report is being filed pursuant to the Commission’s regulations at 52 Pa Code §67.1.

Pursuant to 52 Pa. Code §1.11, the enclosed document is to be deemed filed on October 9, 2023, which is the date it was filed electronically with the Commission’s E-Filing System.

If you have any questions regarding this report, please contact me at (215) 721-6807.

Very truly yours,

/s/ Julie Swiniuch

Julie Swiniuch
Supervisor – Distribution Asset Investment Strategy
215-721-6807

Enclosures

cc: Mr. John VanZant
Mr. Harry Bidelspach
RA-PUCPEMA@pa.gov

ELECTRIC UTILITY REPORT OF OUTAGE TO
PENNSYLVANIA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU
P O BOX 3265
HARRISBURG, PA 17105-3265

Phone-In Reports: Always call (717) 773-7377
Email RA-PUCPEMA@state.pa.us

An original and one copy of this report are to be mailed to the Secretary's Bureau at the address above, even if an electronic copy has been emailed to the address above.

Information Required:

1. Reporting Utility: PPL Electric Utilities
Address: 2 North 9th Street
Allentown, PA 18101

2. Name and title of person making report:

Julie Swiniuch	Supervisor - Distribution Asset Investment Strategy
<i>(Name)</i>	<i>(Title)</i>

3. Telephone number: 215-721-6807
(Telephone Number)

4. Date and time initial telephonic report was made to Commission:
September 10, 2023, at approximately 06:07.

5. Interruption or Outage:
 - (a) Number of customers affected: 14,657.

- (b) Approximate number of outage cases and trouble cases for each county affected during the event:

County	Outage Cases	Trouble Cases
Berks	2	
Bucks	8	2
Carbon	1	1
Chester	2	1
Clinton	3	
Columbia	7	2
Cumberland	12	4
Dauphin	5	1
Juniata	4	
Lackawanna	28	13
Lancaster	11	2
Lehigh	23	11
Luzerne	12	2
Lycoming	4	2
Monroe	10	1
Montgomery	1	1
Montour	2	
Northampton		1
Northumberland	13	5
Perry	3	
Pike	2	1
Schuylkill	21	5
Snyder	10	3
Susquehanna	2	
Union	1	
Wayne	4	
Wyoming	4	3
York	1	
	196	61

(c) Approximate number of outages for each county affected during the event:

County	Number of Customers Interrupted
Berks	32
Bucks	53
Carbon	1
Chester	4
Clinton	24
Columbia	56
Cumberland	1,833
Dauphin	41
Juniata	62
Lackawanna	2,881
Lancaster	618
Lehigh	2,630
Luzerne	1,061
Lycoming	49
Monroe	347
Montgomery	1
Montour	75
Northumberland	1,294
Perry	299
Pike	26
Schuylkill	767
Snyder	847
Susquehanna	422
Union	1
Wayne	25
Wyoming	1,207
York	1
	14,657

(d) Approximate number of outage cases exceeding 6 or more hours in duration:

One-hundred (100) cases exceeded six hours in duration.

- (e) A listing of each outage case exceeding 6 or more hours in duration, including the following information:

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7012306-1	Montgomery	1	1571	9/9/23 17:08	9/10/23 19:19
7012312-1	Lehigh	4	528	9/9/23 17:12	9/10/23 2:00
7012313-1	Bucks	1	1379	9/9/23 17:08	9/10/23 16:07
7012317-1	Clinton	9	413	9/9/23 17:17	9/10/23 0:10
7012331-1	Cumberland	3	1322	9/9/23 17:26	9/10/23 15:28
7012338-1	Monroe	2	499	9/9/23 17:30	9/10/23 1:49
7012343-1	Lackawanna	3	476	9/9/23 17:34	9/10/23 1:30
7012347-1	Cumberland	3	856	9/9/23 17:38	9/10/23 7:54
7012359-1	Cumberland	3	749	9/9/23 17:43	9/10/23 6:12
7012360-1	Lehigh	3	891	9/9/23 17:44	9/10/23 8:35
7012368-1	Lehigh	3	837	9/9/23 17:48	9/10/23 7:45
7012387-1	Columbia	1	1216	9/9/23 17:51	9/10/23 14:07
7012390-1	Cumberland	3	429	9/9/23 17:51	9/10/23 1:00
7012396-1	Cumberland	10	561	9/9/23 17:54	9/10/23 3:15
7012405-1	Cumberland	55	670	9/9/23 17:57	9/10/23 5:07
7012418-1	Schuylkill	9	1228	9/9/23 18:02	9/10/23 14:30
7012419-1	Lehigh	11	788	9/9/23 18:02	9/10/23 7:10
7012427-1	Lehigh	6	641	9/9/23 18:08	9/10/23 4:49
7012437-1	Perry	2	1038	9/9/23 18:12	9/10/23 11:30
7012445-1	Wayne	9	846	9/9/23 18:17	9/10/23 8:23
7012447-1	Luzerne	43	857	9/9/23 18:18	9/10/23 8:35
7012455-1	Schuylkill	21	383	9/9/23 18:19	9/10/23 0:42
7012457-1	Columbia	6	969	9/9/23 18:20	9/10/23 10:29
7012458-1	Luzerne	164	644	9/9/23 18:21	9/10/23 5:05
7012471-1	Dauphin	1	1136	9/9/23 18:24	9/10/23 13:20
7012477-1	Schuylkill	1	1308	9/9/23 18:27	9/10/23 16:15
7012481-1	Schuylkill	88	572	9/9/23 18:28	9/10/23 4:00
7012487-1	Wyoming	1180	2532	9/9/23 18:28	9/11/23 12:41
7012489-1	Schuylkill	5	1208	9/9/23 18:32	9/10/23 14:40
7012490-1	Schuylkill	186	635	9/9/23 18:31	9/10/23 5:06
7012495-1	Lackawanna	60	1098	9/9/23 18:32	9/10/23 12:50
7012499-1	Schuylkill	9	1061	9/9/23 18:34	9/10/23 12:15
7012513-1	Northumberland	10	969	9/9/23 18:41	9/10/23 10:50
7012514-1	Susquehanna	418	453	9/9/23 19:13	9/10/23 2:46
7012522-1	Northumberland	995	912	9/9/23 18:48	9/10/23 10:00
7012523-1	Lackawanna	6	556	9/9/23 18:46	9/10/23 4:02
7012533-1	Juniata	36	440	9/9/23 18:49	9/10/23 2:09
7012534-1	Lackawanna	55	1112	9/9/23 18:48	9/10/23 13:20
7012559-1	Columbia	38	663	9/9/23 18:54	9/10/23 5:57
7012567-1	Schuylkill	2	1413	9/9/23 18:57	9/10/23 17:00
7012573-1	Northumberland	13	682	9/9/23 18:54	9/10/23 6:16
7012574-1	Lackawanna	13	875	9/9/23 18:58	9/10/23 9:33
7012577-1	Snyder	5	422	9/9/23 18:58	9/10/23 2:00
7012579-1	Juniata	3	1145	9/9/23 19:02	9/10/23 14:07
7012582-1	Schuylkill	5	769	9/9/23 19:03	9/10/23 7:52
7012588-1	Snyder	3	888	9/9/23 19:06	9/10/23 9:54
7012592-1	Luzerne	16	1009	9/9/23 19:11	9/10/23 12:00
7012597-1	Lackawanna	6	535	9/9/23 19:15	9/10/23 4:10
7012602-1	Northumberland	3	767	9/9/23 19:18	9/10/23 8:05
7012604-1	Schuylkill	1	791	9/9/23 19:22	9/10/23 8:33

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7012607-1	Lehigh	27	428	9/9/23 19:22	9/10/23 2:30
7012608-1	Snyder	6	781	9/9/23 19:24	9/10/23 8:25
7012612-1	Northumberland	52	454	9/9/23 19:26	9/10/23 3:00
7012623-1	Bucks	1	1214	9/9/23 19:32	9/10/23 15:46
7012638-1	Wyoming	23	935	9/9/23 19:44	9/10/23 11:19
7012655-1	Lancaster	2	435	9/9/23 20:00	9/10/23 3:15
7012663-1	Schuylkill	32	1110	9/9/23 20:05	9/10/23 14:35
7012668-1	Monroe	8	533	9/9/23 20:11	9/10/23 9:24
7012696-1	Lackawanna	405	1437	9/9/23 21:28	9/10/23 21:25
7012705-1	Lehigh	9	1249	9/9/23 20:29	9/10/23 17:18
7012728-1	Lancaster	1	403	9/9/23 20:44	9/10/23 3:27
7012732-1	Northumberland	5	975	9/9/23 20:45	9/10/23 13:00
7012735-1	Northumberland	6	784	9/9/23 20:46	9/10/23 9:50
7012745-1	Lehigh	4	1538	9/9/23 20:53	9/10/23 22:31
7012761-1	Schuylkill	12	871	9/9/23 21:09	9/10/23 11:40
7012766-1	Luzerne	2	1723	9/9/23 21:17	9/11/23 2:00
7012782-1	Luzerne	10	760	9/9/23 21:35	9/10/23 10:15
7012784-1	Berks	31	424	9/9/23 21:35	9/10/23 4:39
7012794-1	Luzerne	10	1093	9/9/23 21:48	9/10/23 16:01
7012798-1	Columbia	2	571	9/9/23 21:52	9/10/23 7:23
7012801-1	Lehigh	14	656	9/9/23 21:54	9/10/23 8:50
7012847-1	Lackawanna	10	1366	9/9/23 20:31	9/10/23 19:17
7012856-1	Lackawanna	12	774	9/9/23 22:59	9/10/23 11:53
7012858-1	Lackawanna	25	436	9/9/23 23:00	9/10/23 6:16
7012860-1	Lackawanna	4	626	9/9/23 23:04	9/10/23 9:30
7012865-1	Lehigh	5	608	9/9/23 23:14	9/10/23 9:22
7012867-1	Luzerne	1	1089	9/9/23 23:21	9/10/23 17:30
7012876-1	Lackawanna	8	812	9/9/23 23:53	9/10/23 13:25
7012905-1	Lackawanna	2	795	9/10/23 0:50	9/10/23 14:05
7012910-1	Lehigh	11	671	9/10/23 0:59	9/10/23 12:10
7012917-1	Lackawanna	40	494	9/10/23 1:43	9/10/23 9:57
7012928-1	Lackawanna	2	651	9/10/23 2:54	9/10/23 13:45
7012944-1	Lehigh	64	682	9/9/23 23:38	9/10/23 11:00
7012951-1	Lancaster	16	573	9/10/23 5:00	9/10/23 14:33
7012962-1	Susquehanna	4	482	9/10/23 5:35	9/10/23 13:37
7013027-1	Schuylkill	3	1416	9/9/23 18:34	9/10/23 18:10
7013260-1	Bucks	1	618	9/10/23 7:06	9/10/23 17:24
7014950-1	Bucks	2	583	9/10/23 9:32	9/10/23 19:15
7015670-1	Bucks	9	427	9/10/23 10:28	9/10/23 17:35
7016834-1	Bucks	2	506	9/10/23 12:04	9/10/23 20:30
7018180-1	Lehigh	242	403	9/10/23 13:49	9/10/23 20:32
7019125-1	Lackawanna	1	456	9/10/23 7:14	9/10/23 14:50
7020493-1	Lackawanna	7	376	9/10/23 16:47	9/10/23 23:03
7032705-1	Northumberland	79	668	9/9/23 18:53	9/10/23 6:01
7035934-1	Lackawanna	772	1304	9/10/23 0:24	9/10/23 22:08
7036470-1	Lackawanna	73	1486	9/9/23 17:20	9/10/23 18:06
7037264-1	Dauphin	33	1293	9/9/23 18:15	9/10/23 15:48
7039330-1	Lehigh	3	1023	9/9/23 17:27	9/10/23 10:30
7040124-1	Cumberland	3	726	9/9/23 17:28	9/10/23 5:34
7040259-1	Snyder	1	1052	9/9/23 20:12	9/10/23 13:44

(f) Reason for the interruption or outages:

The interruptions were caused by a thunder and lightning event on September 9-10, 2023, that brought isolated thunderstorms across PPL Electric's service territory. Peak wind gusts in the range of 30-40 MPH were observed at several locations.

(g) Projected time of restoration:

Restoration was projected to be completed by 13:00 on September 11, 2023.

- (h) The number of utility workers, contract workers and workers received as mutual aid assigned specifically to the repair work by general function, that is linemen, troublemen, tree crew and the like:

The approximate number of responders is as follows:

Company	# Workers	Function
PPL Electric Utilities	52	Office Personnel
PPL Electric Utilities	178	Distribution Line
PPL Electric Utilities	40	Assessors
PPL Electric Utilities	5	Field Supervisor
PPL Electric Utilities	14	Electricians
PPL Electric Utilities	2	Mechanics
PPL Electric Utilities	18	Substation Electricians
Haugland	6	Electrical Contract Crews
IB Abel	24	Electrical Contract Crews
Infrasource	18	Electrical Contract Crews
O'Connell Electric	9	Electrical Contract Crews
Primoris Electric, Inc	26	Electrical Contract Crews
Valiant	8	Electrical Contract Crews
Valiant	14	Mutual Aid
Vision Utilities	44	Mutual Aid
Riggs Distler	8	Mutual Aid
Infrasource	22	Mutual Aid
Agostino Utilities LLC	51	Mutual Aid
IB Abel	30	Mutual Aid
Metrotek	15	Mutual Aid
PPL EU	1	Tree Crew Management
ECI Environmental Consultants	4	Tree Crew Management
Pennline	25	Tree Contract Crews
Treesmiths	59	Tree Contract Crews
Asplundh	48	Tree Contract Crews

- (i) The date and time of the first information of service interruption:

The initial service interruption occurred at approximately 17:00 on September 9, 2023.

- (j) The date and time that repair crews were assembled:

Repair crews remained on system and continued restoration efforts as customers were restored from the 9/7 storm. The crews were first assembled Thursday afternoon 9/7 at 1500. PPL repair crews were already on the system as part of normal working hours when the storm impacted our system and immediately transitioned to storm restoration. In addition, PPL utilized contractors and mutual aid to ensure 24x7 coverage and timely restoration of the event and customers impacted.

(k) The actual time that service was restored to the last affected customer:

The final customer was restored at 12:41 on September 11, 2023.

- (l) A general description of the physical damage sustained by the utility facilities as a result of the interruption/outage:

The damage to PPL Electric facilities included trees or limbs on conductor, downed wires, and broken equipment.

Approximate materials used to complete restoration included:

- Wire and Cable – 1,800 feet
- Arrestors – 8
- Cross arms – 25
- Wood Poles – 10
- Transformers – 15
- Cutouts – 10

- (m) If the interruption / outage event was weather-related, the utility's weather reports, outlooks, or scenarios for the day before and the day of the interruption / outage event:

As of September 8, 2023, the forecast for September 9, 2023, called for isolated thunderstorms and rain, with 20-25 MPH wind speeds.

- (n) If the interruption / outage event caused approximate outages that exceed 10% or more of customers in the utility's entire service territory, rank the event in terms of the number and duration of outages and provide 2 comparable events, including the number and duration of outages for those comparable events:

This event did not impact more than 10% of PPL Electric customers.

Event and Rank	Event Date	Number of Outages	Duration of Outages

Remarks:
