



VIA E-FILE

July 27, 2022

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 Thunder and Lightning Event on July 12-13, 2022
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 0600 on Tuesday, July 12, 2022, and 0015 on Wednesday, July 13, 2022. This event caused 116 outage cases and 9,732 customer service interruptions and affected the Central, and Susquehanna 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 July 27, 2022, 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 (610) 774-6545.

Very truly yours,

/s/ Julie Swiniuch

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

Enclosures

cc: Mr. Harry Bidelspach
Mr. John VanZant

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:
July 13, 2022, at approximately 0557.
5. Interruption or Outage:
 - (a) Number of customers affected: 9,732

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

County	Outage Cases	Trouble Cases
Carbon	2	
Clinton	4	
Columbia	39	6
Luzerne	27	9
Lycoming	13	6
Montour	6	1
Northumberland	14	3
Schuylkill	4	1
Snyder	3	2
Union	4	2
	116	30

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

County	Number of Customers Interrupted
Carbon	31
Clinton	20
Columbia	5,578
Luzerne	2,224
Lycoming	722
Montour	562
Northumberland	549
Schuylkill	26
Snyder	6
Union	14
	9,732

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

Thirty-eight (38) 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
6430557-1	Union	1	416	7/12/22 6:14	7/12/22 13:10
6430814-1	Lycoming	20	419	7/12/22 14:01	7/12/22 21:00
6430860-1	Lycoming	534	421	7/12/22 15:04	7/12/22 22:05
6430866-1	Luzerne	8	771	7/12/22 15:09	7/13/22 4:00
6430875-1	Lycoming	3	469	7/12/22 15:18	7/12/22 23:07
6430876-1	Northumberland	13	1335	7/12/22 15:17	7/13/22 13:32
6430890-1	Northumberland	16	598	7/12/22 15:25	7/13/22 1:23
6430892-1	Northumberland	4	433	7/12/22 15:27	7/12/22 22:40
6430916-1	Columbia	24	596	7/12/22 15:52	7/13/22 1:48
6430941-1	Columbia	14	598	7/12/22 15:52	7/13/22 1:50
6430943-1	Columbia	5	667	7/12/22 15:53	7/13/22 3:00
6430949-1	Columbia	690	689	7/12/22 15:55	7/13/22 3:24
6430981-1	Columbia	12	513	7/12/22 16:00	7/13/22 0:33
6430984-1	Columbia	17	642	7/12/22 16:03	7/13/22 2:45
6431010-1	Columbia	10	562	7/12/22 15:46	7/13/22 1:08
6431017-1	Columbia	2	1170	7/12/22 15:45	7/13/22 11:15
6431021-1	Columbia	12	638	7/12/22 16:12	7/13/22 2:50
6431053-1	Luzerne	22	996	7/12/22 16:24	7/13/22 9:00
6431055-1	Union	1	1374	7/12/22 16:25	7/13/22 15:19
6431059-1	Snyder	1	655	7/12/22 16:27	7/13/22 3:22
6431070-1	Luzerne	271	1371	7/12/22 16:30	7/13/22 15:22
6431083-1	Columbia	239	420	7/12/22 16:33	7/12/22 23:33
6431122-1	Luzerne	4	545	7/12/22 16:45	7/13/22 1:50
6431156-1	Luzerne	42	480	7/12/22 17:00	7/13/22 1:00
6431159-1	Columbia	18	570	7/12/22 16:00	7/13/22 1:30
6431185-1	Columbia	3	639	7/12/22 15:51	7/13/22 2:30
6431204-1	Columbia	16	806	7/12/22 15:56	7/13/22 5:22
6431398-1	Luzerne	36	447	7/12/22 19:38	7/13/22 3:05
6431420-1	Montour	1	401	7/12/22 19:54	7/13/22 2:35
6431424-1	Montour	3	435	7/12/22 19:55	7/13/22 3:10
6431444-1	Luzerne	4	612	7/12/22 16:40	7/13/22 2:52
6431466-1	Columbia	1	423	7/12/22 20:39	7/13/22 3:42
6431517-1	Columbia	8	439	7/12/22 19:15	7/13/22 2:34
6431550-1	Montour	4	606	7/12/22 16:31	7/13/22 2:37
6431658-1	Columbia	451	1438	7/12/22 19:09	7/13/22 19:07
6431666-1	Columbia	599	1710	7/12/22 18:17	7/13/22 22:47
6432573-1	Columbia	130	851	7/12/22 15:50	7/13/22 6:01
6433248-1	Columbia	156	1191	7/12/22 16:02	7/13/22 11:53

- (f) Reason for the interruption or outages:

The interruptions were caused by scattered thunder and lightning storms crossing PPL Electric's Northeast and Susquehanna regions.

- (g) Projected time of restoration:

Restoration was projected to be completed by 2300 on July 13, 2022.

- (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:

Company	# Workers	Function
PPL Electric Utilities	95	Distribution Line
PPL Electric Utilities	31	Office Personell
Harlan	14	Electrical Contract Crews
Haugland	5	Electrical Contract Crews
Henkels & McCoy	21	Electrical Contract Crews
IB Abel	27	Electrical Contract Crews
Matrix NAC	9	Electrical Contract Crews
O'Connell Electric	13	Electrical Contract Crews
Primoris Electric	6	Electrical Contract Crews
Penn Line	43	Tree Contract Crews
Treesmiths	22	Tree Contract Crews

Some values are approximations

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

The initial service interruption occurred at approximately 0600 on July 12, 2022.

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

Crews were assembled at approximately 1500 on July 12 as outage cases began to accrue.

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

The final customer was restored at 2247 on July 13, 2022.

- (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 – 7,500 feet
- Arrestors – 12
- Cross arms – 13
- Wood Poles – 11
- Transformers – 17
- Cutouts – 28

- (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 the morning of July 11, PPL Electric’s weather outlook for July 12 called for a cold front bringing pop-up thunderstorm activity with potential wind gusts exceeding 50 MPH, frequent lightning, and heavy downpours with up to 0.5” of rain accumulation.

Actual conditions were generally as forecast within the Central and Susquehanna regions of PPL Electric’s territory.

- (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:
