



VIA E-FILE

September 11, 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 August 18, 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 00:15 AM and 16:15 AM on Friday, August 18, 2023. This event caused 174 outage cases and 11,022 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 September 11, 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:
August 18, 2023, at approximately 1600.

5. Interruption or Outage:
 - (a) Number of customers affected: 11,022.

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

County	Outage Cases	Trouble Cases
Berks	1	2
Bucks	20	2
Carbon	14	3
Chester		1
Clinton	2	
Columbia	17	1
Cumberland	3	3
Dauphin	1	9
Lackawanna	10	7
Lancaster	4	5
Lehigh	15	7
Luzerne	10	1
Lycoming	13	4
Monroe	5	7
Montgomery	1	4
Montour	1	1
Northampton	11	3
Northumberland	7	1
Perry	4	4
Pike	4	2
Schuylkill	16	2
Snyder	6	
Union	2	
Wayne	5	2
Wyoming	1	
York	1	
	174	71

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

County	Number of Customers Interrupted
Berks	10
Bucks	1,146
Carbon	2,137
Clinton	174
Columbia	1,825
Cumberland	36
Dauphin	367
Lackawanna	311
Lancaster	101
Lehigh	2,198
Luzerne	163
Lycoming	339
Monroe	42
Montgomery	1
Montour	12
Northampton	811
Northumberland	156
Perry	57
Pike	101
Schuylkill	917
Snyder	37
Union	3
Wayne	37
Wyoming	26
York	15
	11,022

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

Seventy-one (71) 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
7000107-1	Dauphin	1	411	8/18/23 1:46	8/18/23 8:37
7000117-1	Columbia	13	364	8/18/23 1:56	8/18/23 8:00
7000126-1	Snyder	9	596	8/18/23 2:14	8/18/23 12:10
7000130-1	Union	2	828	8/18/23 2:28	8/18/23 16:16
7000131-1	Luzerne	4	386	8/18/23 2:29	8/18/23 8:55
7000135-1	Columbia	4	950	8/18/23 2:24	8/18/23 18:14
7000136-1	Northumberland	19	438	8/18/23 2:41	8/18/23 9:59
7000146-1	Luzerne	3	369	8/18/23 3:08	8/18/23 9:17
7000148-1	Northumberland	19	1052	8/18/23 3:13	8/18/23 20:45
7000157-1	Schuylkill	4	1177	8/18/23 3:23	8/18/23 23:00
7000158-1	Luzerne	1	757	8/18/23 3:11	8/18/23 15:48
7000163-1	Cumberland	9	407	8/18/23 3:33	8/18/23 10:20
7000165-1	Schuylkill	1	799	8/18/23 3:34	8/18/23 16:53
7000167-1	Wayne	1	604	8/18/23 3:36	8/18/23 13:40
7000168-1	Lackawanna	8	368	8/18/23 3:37	8/18/23 9:45
7000169-1	Schuylkill	11	624	8/18/23 3:36	8/18/23 14:00
7000170-1	Schuylkill	10	732	8/18/23 3:38	8/18/23 15:50
7000176-1	Schuylkill	84	671	8/18/23 3:44	8/18/23 14:55
7000180-1	Schuylkill	461	905	8/18/23 3:47	8/18/23 18:52
7000185-1	Schuylkill	6	773	8/18/23 3:52	8/18/23 16:45
7000187-1	Schuylkill	117	609	8/18/23 3:57	8/18/23 14:06
7000198-1	Lackawanna	18	478	8/18/23 4:02	8/18/23 12:00
7000200-1	Lycoming	15	397	8/18/23 2:39	8/18/23 9:16
7000209-1	Carbon	7	462	8/18/23 4:04	8/18/23 11:46
7000217-1	Northampton	9	390	8/18/23 4:11	8/18/23 10:41
7000219-1	Lackawanna	76	382	8/18/23 4:13	8/18/23 10:35
7000224-1	Monroe	1	563	8/18/23 4:21	8/18/23 13:44
7000225-1	Monroe	11	463	8/18/23 4:22	8/18/23 12:05
7000226-1	Lehigh	19	412	8/18/23 4:25	8/18/23 11:17
7000228-1	Northampton	75	706	8/18/23 4:36	8/18/23 16:22
7000231-1	Lehigh	166	615	8/18/23 4:28	8/18/23 14:43
7000233-1	Lackawanna	4	449	8/18/23 4:33	8/18/23 12:02
7000234-1	Carbon	1	827	8/18/23 4:33	8/18/23 18:20
7000235-1	Lehigh	8	423	8/18/23 4:35	8/18/23 11:38
7000238-1	Columbia	1	711	8/18/23 4:39	8/18/23 16:30
7000240-1	Northampton	52	648	8/18/23 4:42	8/18/23 15:30
7000244-1	Carbon	36	516	8/18/23 4:45	8/18/23 13:21
7000245-1	Lehigh	9	405	8/18/23 4:45	8/18/23 11:30
7000246-1	Lehigh	79	418	8/18/23 4:47	8/18/23 11:45
7000252-1	Northampton	54	696	8/18/23 4:53	8/18/23 16:30
7000257-1	Lehigh	43	426	8/18/23 4:54	8/18/23 12:00
7000264-1	Bucks	3	952	8/18/23 4:56	8/18/23 20:48
7000267-1	Bucks	75	891	8/18/23 5:01	8/18/23 19:52
7000289-1	Bucks	4	530	8/18/23 5:07	8/18/23 13:57
7000296-1	Bucks	1	677	8/18/23 5:13	8/18/23 16:30
7000298-1	Bucks	12	526	8/18/23 5:14	8/18/23 14:00
7000299-1	Lycoming	40	469	8/18/23 5:16	8/18/23 13:05
7000307-1	Carbon	30	700	8/18/23 4:11	8/18/23 15:51
7000309-1	Bucks	1	587	8/18/23 5:28	8/18/23 15:15
7000316-1	Carbon	7	392	8/18/23 5:36	8/18/23 12:08

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7000320-1	Lehigh	1	428	8/18/23 5:37	8/18/23 12:45
7000322-1	Pike	5	366	8/18/23 4:03	8/18/23 10:09
7000333-1	Bucks	4	1013	8/18/23 6:11	8/18/23 23:04
7000339-1	Lehigh	1	657	8/18/23 6:27	8/18/23 17:24
7000340-1	Lancaster	1	434	8/18/23 6:31	8/18/23 13:45
7000371-1	Bucks	5	722	8/18/23 5:13	8/18/23 17:15
7000376-1	Carbon	14	708	8/18/23 7:12	8/18/23 19:00
7000396-1	Montgomery	1	381	8/18/23 7:50	8/18/23 14:12
7000404-1	Lehigh	13	376	8/18/23 8:01	8/18/23 14:17
7000409-1	Northampton	2	566	8/18/23 8:04	8/18/23 17:30
7000419-1	Bucks	1	468	8/18/23 8:12	8/18/23 16:00
7000428-1	Carbon	20	478	8/18/23 8:17	8/18/23 16:15
7000476-1	Snyder	4	683	8/18/23 9:01	8/18/23 20:24
7000718-1	Columbia	3	402	8/18/23 11:33	8/18/23 18:15
7000740-1	Schuylkill	1	537	8/18/23 3:57	8/18/23 12:54
7000741-1	Lycoming	1	403	8/18/23 12:02	8/18/23 18:45
7000937-1	Bucks	41	554	8/18/23 14:42	8/18/23 23:56
7000964-1	Lycoming	8	1163	8/18/23 15:07	8/19/23 10:30
7001001-1	Schuylkill	2	504	8/18/23 16:02	8/19/23 0:26
7001568-1	Bucks	2	518	8/18/23 5:30	8/18/23 14:08
7003292-1	Lehigh	689	399	8/18/23 6:44	8/18/23 13:23

- (f) Reason for the interruption or outages:

The interruptions were caused by a thunder and lightning event on August 18, 2023, that brought rain and scattered thunderstorm activity across PPL Electric's service territory. 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 1100 on August 19, 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	146	Distribution Line
PPL Electric Utilities	14	Substation Electrical
PPL Electric Utilities	1	Assessors
PPL Electric Utilities	3	Foremen
PPL Electric Utilities	60	Office Personnel
Infrasource	25	Electrical Contract Personnel
Haugland	4	Electrical Contract Personnel
IB- Abel	13	Electrical Contract Personnel
O'Connell Electric	4	Electrical Contract Personnel
Primoris Electric	22	Electrical Contract Personnel
Asplundh	10	Tree Contract Personnel

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

The initial service interruption occurred at approximately 0015 on August 18, 2023.

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

Crews were assembled on August 18, 2023, at approximately 0700.

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

The final customer was restored at 1030 on August 19, 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 – 1,200 feet
- Arrestors – 4
- Cross arms – 6
- Wood Poles – 2
- Transformers – 6
- Cutouts – 5

- (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 August 17, 2023, the forecast for August 18, 2023, called for rain and mild wind gusts of 15-20 MPH. The actual weather consisted of rain and scattered thunderstorm cells, with wind gusts peaking in the 30-40 MPH range.

- (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:
