



VIA E-FILE

August 9, 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 24-25, 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 1530 on Sunday, July 24, 2022, and 1815 on Monday, July 25, 2022. This event caused 241 outage cases and 13,728 customer service interruptions and affected the Central, Susquehanna, Lehigh, and Northeast 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 August 9, 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 (215) 721-6807.

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 25, 2022, at approximately 0830
5. Interruption or Outage:
 - (a) Number of customers affected: 13,728

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

County	Outage Cases	Trouble Cases
Bucks	1	0
Carbon	2	1
Clinton	9	1
Columbia	19	3
Lackawanna	37	28
Lehigh	7	9
Luzerne	13	14
Lycoming	38	7
Monroe	11	4
Montgomery	1	0
Montour	4	1
Northampton	3	0
Northumberland	6	2
Pike	15	9
Schuylkill	8	3
Snyder	2	0
Susquehanna	11	2
Union	3	0
Wayne	37	6
Wyoming	14	2
Total	241	92

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

County	Number of Customers Interrupted
Bucks	2
Carbon	26
Clinton	203
Columbia	821
Lackawanna	3,107
Lehigh	311
Luzerne	1,443
Lycoming	1,303
Monroe	317
Montgomery	158
Montour	273
Northampton	23
Northumberland	26
Pike	1,002
Schuylkill	155
Snyder	3
Susquehanna	1,569
Union	45
Wayne	1,707
Wyoming	1,234
Total	13,728

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

One hundred twenty (120) 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
6437604-1	Lycoming	26	1352	7/24/22 16:43	7/25/22 15:15
6437606-1	Lycoming	29	385	7/24/22 16:45	7/24/22 23:10
6437607-1	Lycoming	10	763	7/24/22 16:47	7/25/22 5:30
6437608-1	Lycoming	5	431	7/24/22 16:44	7/24/22 23:55
6437630-1	Lycoming	25	370	7/24/22 17:12	7/24/22 23:22
6437634-1	Lycoming	20	560	7/24/22 17:15	7/25/22 2:35
6437646-1	Lycoming	172	520	7/24/22 17:08	7/25/22 1:48
6437669-1	Columbia	10	361	7/24/22 17:29	7/24/22 23:30
6437671-1	Lycoming	2	362	7/24/22 17:29	7/24/22 23:31
6437674-1	Lycoming	4	425	7/24/22 17:29	7/25/22 0:34
6437684-1	Lycoming	18	449	7/24/22 17:35	7/25/22 1:04
6437690-1	Columbia	59	471	7/24/22 17:39	7/25/22 1:30
6437715-1	Columbia	78	390	7/24/22 17:46	7/25/22 0:16
6437717-1	Lycoming	13	628	7/24/22 17:47	7/25/22 4:15
6437718-1	Lycoming	1	371	7/24/22 17:48	7/24/22 23:59
6437727-1	Wyoming	38	675	7/24/22 17:56	7/25/22 5:11
6437741-1	Union	1	543	7/24/22 17:57	7/25/22 3:00
6437746-1	Wyoming	105	1199	7/24/22 18:01	7/25/22 14:00
6437750-1	Lycoming	7	540	7/24/22 18:00	7/25/22 3:00
6437751-1	Wyoming	30	1404	7/24/22 18:01	7/25/22 17:25
6437754-1	Wyoming	6	1441	7/24/22 17:59	7/25/22 18:00
6437755-1	Lackawanna	14	1156	7/24/22 18:02	7/25/22 13:18
6437759-1	Lackawanna	33	551	7/24/22 18:04	7/25/22 3:15
6437760-1	Lackawanna	124	685	7/24/22 18:05	7/25/22 5:30
6437768-1	Lackawanna	118	432	7/24/22 18:06	7/25/22 1:18
6437770-1	Luzerne	90	508	7/24/22 18:06	7/25/22 2:34
6437775-1	Lackawanna	60	473	7/24/22 18:07	7/25/22 2:00
6437778-1	Lackawanna	2	1298	7/24/22 18:07	7/25/22 15:45
6437779-1	Susquehanna	8	1085	7/24/22 18:07	7/25/22 12:12
6437780-1	Lackawanna	20	1254	7/24/22 18:08	7/25/22 15:02
6437781-1	Lackawanna	5	1081	7/24/22 18:08	7/25/22 12:10
6437793-1	Wyoming	1	551	7/24/22 18:12	7/25/22 3:23
6437794-1	Lackawanna	44	1054	7/24/22 18:11	7/25/22 11:45
6437805-1	Wayne	225	460	7/24/22 18:35	7/25/22 2:15
6437808-1	Luzerne	183	430	7/24/22 18:14	7/25/22 1:24
6437816-1	Lackawanna	1	1510	7/24/22 18:16	7/25/22 19:26
6437837-1	Lackawanna	270	538	7/24/22 18:16	7/25/22 3:14
6437854-1	Lackawanna	66	1524	7/24/22 18:18	7/25/22 19:42
6437871-1	Lackawanna	1	1363	7/24/22 18:25	7/25/22 17:08
6437880-1	Wayne	99	1244	7/24/22 18:26	7/25/22 15:10
6437890-1	Columbia	2	513	7/24/22 18:28	7/25/22 3:01
6437893-1	Wayne	10	1195	7/24/22 18:30	7/25/22 14:25
6437894-1	Wayne	65	440	7/24/22 18:30	7/25/22 1:50
6437895-1	Wayne	2	1481	7/24/22 18:31	7/25/22 19:12
6437896-1	Wayne	7	1489	7/24/22 18:31	7/25/22 19:20
6437898-1	Wayne	63	659	7/24/22 18:31	7/25/22 5:30
6437901-1	Wayne	3	1389	7/24/22 18:31	7/25/22 17:40
6437905-1	Wayne	2	1086	7/24/22 18:34	7/25/22 12:40
6437909-1	Wayne	56	1397	7/24/22 18:34	7/25/22 17:51
6437919-1	Wayne	20	719	7/24/22 18:36	7/25/22 6:35

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6437922-1	Monroe	8	467	7/24/22 18:38	7/25/22 2:25
6437926-1	Wayne	7	1581	7/24/22 18:39	7/25/22 21:00
6437930-1	Wayne	25	1264	7/24/22 18:41	7/25/22 15:45
6437935-1	Wayne	5	1332	7/24/22 18:45	7/25/22 16:57
6437936-1	Susquehanna	107	467	7/24/22 18:13	7/25/22 2:00
6437937-1	Wayne	9	526	7/24/22 18:44	7/25/22 3:30
6437940-1	Wayne	31	425	7/24/22 18:45	7/25/22 1:50
6437944-1	Wayne	22	1237	7/24/22 18:48	7/25/22 15:25
6437951-1	Pike	2	1469	7/24/22 18:49	7/25/22 19:18
6437957-1	Wayne	98	1052	7/24/22 18:52	7/25/22 12:24
6437962-1	Pike	7	589	7/24/22 18:52	7/25/22 4:41
6437963-1	Pike	10	1452	7/24/22 18:52	7/25/22 19:04
6437964-1	Lackawanna	17	1147	7/24/22 18:52	7/25/22 13:59
6437965-1	Wayne	10	1206	7/24/22 18:54	7/25/22 15:00
6437974-1	Pike	69	384	7/24/22 18:57	7/25/22 1:21
6437990-1	Pike	24	576	7/24/22 19:01	7/25/22 4:37
6438003-1	Lackawanna	11	567	7/24/22 19:08	7/25/22 4:35
6438010-1	Columbia	3	498	7/24/22 19:12	7/25/22 3:30
6438023-1	Wyoming	1	1451	7/24/22 19:19	7/25/22 19:30
6438031-1	Lycoming	1	529	7/24/22 16:56	7/25/22 1:45
6438034-1	Pike	1	1184	7/24/22 19:23	7/25/22 15:07
6438035-1	Wayne	10	1373	7/24/22 19:22	7/25/22 18:15
6438036-1	Wayne	144	426	7/24/22 19:24	7/25/22 2:30
6438043-1	Wayne	3	1107	7/24/22 19:23	7/25/22 13:50
6438062-1	Lycoming	13	368	7/24/22 19:32	7/25/22 1:40
6438064-1	Lackawanna	2	1337	7/24/22 19:34	7/25/22 17:51
6438085-1	Lehigh	6	505	7/24/22 19:45	7/25/22 4:10
6438088-1	Pike	10	1019	7/24/22 19:46	7/25/22 12:45
6438107-1	Wyoming	12	365	7/24/22 20:05	7/25/22 2:10
6438127-1	Susquehanna	23	1993	7/24/22 18:26	7/26/22 3:39
6438128-1	Lackawanna	9	1208	7/24/22 19:37	7/25/22 15:45
6438133-1	Schuylkill	2	380	7/24/22 20:26	7/25/22 2:46
6438140-1	Susquehanna	11	906	7/24/22 19:34	7/25/22 10:40
6438141-1	Susquehanna	1	1199	7/24/22 20:11	7/25/22 16:10
6438143-1	Wayne	4	858	7/24/22 20:35	7/25/22 10:53
6438146-1	Lackawanna	12	1226	7/24/22 20:44	7/25/22 17:10
6438152-1	Wayne	1	1286	7/24/22 20:49	7/25/22 18:15
6438182-1	Pike	24	464	7/24/22 19:57	7/25/22 3:41
6438195-1	Susquehanna	43	895	7/24/22 21:20	7/25/22 12:15
6438215-1	Susquehanna	3	1035	7/24/22 21:45	7/25/22 15:00
6438231-1	Wyoming	3	815	7/24/22 22:10	7/25/22 11:45
6438245-1	Lycoming	2	624	7/24/22 17:14	7/25/22 3:38
6438268-1	Susquehanna	2	874	7/24/22 23:21	7/25/22 13:55
6438276-1	Wyoming	13	765	7/24/22 23:46	7/25/22 12:31
6438277-1	Wyoming	13	997	7/24/22 23:48	7/25/22 16:25
6438316-1	Wyoming	15	1383	7/24/22 23:12	7/25/22 22:15
6438324-1	Monroe	6	696	7/25/22 2:38	7/25/22 14:14
6438334-1	Pike	11	916	7/25/22 3:14	7/25/22 18:30
6438341-1	Pike	3	848	7/25/22 3:55	7/25/22 18:03
6438349-1	Luzerne	9	425	7/25/22 4:52	7/25/22 11:57

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6438362-1	Wayne	51	557	7/25/22 5:38	7/25/22 14:55
6438391-1	Luzerne	12	650	7/25/22 2:50	7/25/22 13:40
6438429-1	Clinton	1	404	7/25/22 7:36	7/25/22 14:20
6438473-1	Wayne	1	842	7/25/22 8:08	7/25/22 22:10
6438528-1	Clinton	1	437	7/25/22 8:41	7/25/22 15:58
6438566-1	Northumberland	3	383	7/25/22 9:15	7/25/22 15:38
6438654-1	Monroe	4	431	7/25/22 10:29	7/25/22 17:40
6438660-1	Monroe	119	373	7/25/22 10:32	7/25/22 16:45
6438683-1	Wayne	5	1543	7/24/22 22:17	7/26/22 0:00
6438722-1	Wayne	6	531	7/25/22 11:30	7/25/22 20:21
6438784-1	Lackawanna	77	1072	7/24/22 18:08	7/25/22 12:00
6438815-1	Lackawanna	1	408	7/25/22 12:22	7/25/22 19:10
6438854-1	Carbon	25	370	7/25/22 13:00	7/25/22 19:10
6438912-1	Pike	4	588	7/25/22 14:17	7/26/22 0:05
6438982-1	Wayne	1	436	7/25/22 15:29	7/25/22 22:45
6439142-1	Wayne	2	408	7/25/22 17:43	7/26/22 0:31
6440375-1	Lycoming	10	1235	7/24/22 16:24	7/25/22 12:59
6440897-1	Susquehanna	41	456	7/24/22 19:57	7/25/22 3:33
6441293-1	Wayne	26	1654	7/24/22 18:52	7/25/22 22:26
6443453-1	Lackawanna	50	691	7/24/22 18:01	7/25/22 5:32

(f) Reason for the interruption or outages:

The interruptions were caused by a thunder and lightning storm cell that crossed southwest to northeast Pennsylvania, primarily impacting the Susquehanna and Northeast regions of PPL Electric's service territory. The storm cell brought wind gusts in the 35-40 MPH range.

(g) Projected time of restoration:

Restoration was projected to be completed by 0700 on July 26, 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	236	Distribution Line
PPL Electric Utilities	24	Foremen
PPL Electric Utilities	29	Electrician
PPL Electric Utilities	50	Office Personell
Harlan	21	Electrical Contract Crews
Haugland	19	Electrical Contract Crews
Henkels & McCoy	16	Electrical Contract Crews
IB- Abel	39	Electrical Contract Crews
Infrasource	8	Electrical Contract Crews
Matrix Nac	13	Electrical Contract Crews
O'Connell Electric	14	Electrical Contract Crews
Primoris Electric, Inc.	28	Electrical Contract Crews
Valiant	4	Electrical Contract Crews
Pennline	6	Tree Contract Crews
Treesmiths	132	Tree Contract Crews

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

The initial service interruption occurred at approximately 1530 on July 24, 2022.

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

Crews were assembled on July 24, 2022, at approximately 1730.

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

The final customer was restored at 0339 on July 26, 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 – 1,712 feet
- Arrestors – 6
- Cross arms – 23
- Wood Poles – 4
- Transformers – 10
- Cutouts – 6

- (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 July 23, PPL Electric's weather outlook for July 24 called for temperatures in the mid-90's, and a slight chance for pop-up thunderstorms in the afternoon and evening. The thunderstorms were not expected to cause significant outages.

As of July 24, PPL Electric's weather outlook for the day was generally the same as the prior day; temperatures in the mid-90's, and a slight chance for pop-up thunderstorms in the afternoon and evening.

- (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:
