



VIA E-FILE

August 22, 2024

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 August 6 – August 7, 2024
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 1400 Tuesday, August 6, 2024, and 1500 on Wednesday, August 7, 2024. This event caused 276 outage cases and 21,577 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 August 22, 2024, 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
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: 827 Hausman Road
Allentown, PA 18104

2. Name and title of person making report:

Juliana 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 6, 2024, at 2128.

5. Interruption or Outage:
 - (a) Number of customers affected: 21,577.

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

County	Outage Cases	Trouble Cases
Berks	16	2
Bucks	2	1
Carbon	2	3
Chester	5	1
Clinton	4	2
Columbia	30	5
Cumberland	17	8
Dauphin	38	10
Juniata	11	2
Lackawanna	1	3
Lancaster	49	16
Lebanon	1	
Lehigh	13	4
Luzerne	4	3
Lycoming	9	5
Monroe	2	1
Montgomery	1	
Montour	2	
Northampton	13	
Northumberland	4	1
Perry	25	3
Pike	3	
Schuylkill	11	3
Snyder	3	1
Union	1	
Wayne	3	2
York	6	
	276	76

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

County	Number of Customers Interrupted
Berks	4,369
Bucks	69
Carbon	3
Chester	599
Clinton	22
Columbia	3,865
Cumberland	1,208
Dauphin	2,626
Juniata	162
Lackawanna	21
Lancaster	2,300
Lebanon	7
Lehigh	756
Luzerne	216
Lycoming	1,146
Monroe	12
Montgomery	2
Montour	9
Northampton	589
Northumberland	99
Perry	1,905
Pike	222
Schuylkill	980
Snyder	25
Union	31
Wayne	118
York	216
	21,577

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

One hundred seventeen (117) 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
7313525-1	Chester	1	1059	8/6/24 15:34	8/7/24 9:13
7313526-1	Lancaster	1	1302	8/6/24 15:10	8/7/24 12:52
7313552-1	Lancaster	259	2351	8/6/24 15:59	8/8/24 7:10
7313554-1	Lancaster	5	1431	8/6/24 15:59	8/7/24 15:50
7313562-1	Lancaster	3	1329	8/6/24 16:04	8/7/24 14:13
7313579-1	Chester	4	1136	8/6/24 16:19	8/7/24 11:15
7313622-1	Columbia	7	1508	8/6/24 16:27	8/7/24 17:35
7313626-1	Columbia	49	542	8/6/24 16:28	8/7/24 1:30
7313649-1	Lancaster	3	1251	8/6/24 16:39	8/7/24 13:30
7313658-1	Juniata	7	1170	8/6/24 16:44	8/7/24 12:14
7313682-1	Juniata	15	1241	8/6/24 16:54	8/7/24 13:35
7313684-1	Snyder	13	1270	8/6/24 16:54	8/7/24 14:04
7313697-1	Perry	11	1118	8/6/24 17:02	8/7/24 11:40
7313703-1	Schuylkill	357	514	8/6/24 17:10	8/7/24 1:44
7313707-1	Juniata	1	1049	8/6/24 17:11	8/7/24 10:40
7313717-1	Perry	33	532	8/6/24 17:16	8/7/24 2:08
7313718-1	Perry	32	1680	8/6/24 17:16	8/7/24 21:16
7313725-1	Perry	424	773	8/6/24 17:19	8/7/24 6:12
7313730-1	Dauphin	2	1121	8/6/24 17:19	8/7/24 12:00
7313748-1	Perry	10	1357	8/6/24 17:23	8/7/24 16:00
7313756-1	Perry	27	1679	8/6/24 17:16	8/7/24 21:15
7313757-1	Dauphin	5	430	8/6/24 17:25	8/7/24 0:35
7313761-1	Dauphin	27	570	8/6/24 17:28	8/7/24 2:58
7313763-1	Juniata	5	1405	8/6/24 17:09	8/7/24 16:34
7313781-1	Juniata	17	932	8/6/24 17:33	8/7/24 9:05
7313799-1	Schuylkill	159	680	8/6/24 17:36	8/7/24 4:56
7313810-1	Columbia	15	602	8/6/24 17:39	8/7/24 3:41
7313826-1	Dauphin	11	392	8/6/24 17:43	8/7/24 0:15
7313835-1	Columbia	26	413	8/6/24 16:32	8/6/24 23:25
7313839-1	Dauphin	7	677	8/6/24 17:46	8/7/24 5:03
7313850-1	Perry	3	1167	8/6/24 17:48	8/7/24 13:15
7313853-1	Dauphin	3	708	8/6/24 17:47	8/7/24 5:35
7313854-1	Dauphin	22	563	8/6/24 17:52	8/7/24 3:15
7313856-1	Dauphin	11	664	8/6/24 17:48	8/7/24 4:52
7313858-1	Cumberland	6	858	8/6/24 17:42	8/7/24 8:00
7313860-1	Dauphin	9	551	8/6/24 17:49	8/7/24 3:00
7313880-1	Columbia	9	1407	8/6/24 16:35	8/7/24 16:02
7313886-1	Dauphin	3	1075	8/6/24 17:55	8/7/24 11:50
7313887-1	Dauphin	1	1007	8/6/24 17:57	8/7/24 10:44
7313889-1	Dauphin	7	489	8/6/24 17:57	8/7/24 2:06
7313891-1	Cumberland	9	589	8/6/24 17:56	8/7/24 3:45
7313900-1	York	19	725	8/6/24 17:59	8/7/24 6:04
7313910-1	Perry	97	1104	8/6/24 18:03	8/7/24 12:27
7313917-1	Cumberland	1	1003	8/6/24 18:06	8/7/24 10:49
7313960-1	Dauphin	46	516	8/6/24 18:24	8/7/24 3:00
7313962-1	Perry	210	1050	8/6/24 18:25	8/7/24 11:55
7313984-1	Dauphin	1	1047	8/6/24 18:33	8/7/24 12:00
7313999-1	Lebanon	7	532	8/6/24 18:38	8/7/24 3:30
7314007-1	Juniata	25	1313	8/6/24 18:41	8/7/24 16:34
7314020-1	Cumberland	3	939	8/6/24 18:47	8/7/24 10:26

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7314022-1	Berks	4	401	8/6/24 18:49	8/7/24 1:30
7314025-1	Lehigh	1	413	8/6/24 18:52	8/7/24 1:45
7314029-1	Berks	154	608	8/6/24 18:52	8/7/24 5:00
7314039-1	Snyder	11	1036	8/6/24 18:54	8/7/24 12:10
7314045-1	Northampton	10	374	8/6/24 18:56	8/7/24 1:10
7314046-1	Lancaster	4	553	8/6/24 18:57	8/7/24 4:10
7314047-1	Lancaster	47	373	8/6/24 18:57	8/7/24 1:10
7314062-1	Dauphin	37	389	8/6/24 19:01	8/7/24 1:30
7314066-1	York	1	1103	8/6/24 19:04	8/7/24 13:27
7314107-1	Lancaster	4	844	8/6/24 19:09	8/7/24 9:13
7314108-1	Lancaster	5	435	8/6/24 19:10	8/7/24 2:25
7314118-1	Lancaster	27	577	8/6/24 19:16	8/7/24 4:53
7314126-1	Dauphin	1	556	8/6/24 19:19	8/7/24 4:35
7314147-1	Perry	1	1064	8/6/24 19:31	8/7/24 13:15
7314150-1	Berks	1	643	8/6/24 19:33	8/7/24 6:16
7314181-1	Juniata	24	895	8/6/24 19:50	8/7/24 10:45
7314187-1	Lancaster	31	497	8/6/24 19:53	8/7/24 4:10
7314193-1	Berks	17	367	8/6/24 19:58	8/7/24 2:05
7314205-1	Columbia	228	810	8/6/24 16:21	8/7/24 5:52
7314206-1	Columbia	223	812	8/6/24 16:20	8/7/24 5:53
7314226-1	Chester	2	861	8/6/24 20:08	8/7/24 10:29
7314227-1	Berks	18	1085	8/6/24 20:08	8/7/24 14:14
7314228-1	Dauphin	3	455	8/6/24 20:10	8/7/24 3:45
7314236-1	Northampton	2	492	8/6/24 20:14	8/7/24 4:26
7314244-1	Clinton	3	412	8/6/24 20:18	8/7/24 3:10
7314262-1	Perry	10	1180	8/6/24 20:28	8/7/24 16:08
7314276-1	Juniata	4	1116	8/6/24 20:36	8/7/24 15:12
7314289-1	Lancaster	1	514	8/6/24 20:46	8/7/24 5:20
7314301-1	Columbia	7	1415	8/6/24 16:19	8/7/24 15:54
7314309-1	Northumberland	77	476	8/6/24 21:13	8/7/24 5:09
7314319-1	Schuylkill	6	706	8/6/24 21:31	8/7/24 9:17
7314322-1	Dauphin	5	389	8/6/24 21:36	8/7/24 4:05
7314348-1	Columbia	7	833	8/6/24 22:20	8/7/24 12:13
7314363-1	York	2	869	8/6/24 22:35	8/7/24 13:04
7314365-1	Columbia	13	1158	8/6/24 16:32	8/7/24 11:50
7314384-1	Northampton	4	380	8/6/24 21:39	8/7/24 3:59
7314386-1	Lehigh	42	362	8/6/24 23:13	8/7/24 5:15
7314397-1	Northampton	1	647	8/6/24 23:33	8/7/24 10:20
7314399-1	Bucks	14	396	8/6/24 23:34	8/7/24 6:10
7314402-1	Cumberland	10	706	8/6/24 23:42	8/7/24 11:28
7314403-1	Cumberland	12	766	8/6/24 23:44	8/7/24 12:30
7314404-1	Lancaster	29	633	8/6/24 23:52	8/7/24 10:25
7314415-1	Lancaster	8	629	8/7/24 0:25	8/7/24 10:54
7314423-1	Lancaster	27	894	8/7/24 0:50	8/7/24 15:44
7314432-1	Lancaster	1	656	8/7/24 1:41	8/7/24 12:37
7314435-1	Dauphin	2	868	8/7/24 1:52	8/7/24 16:20
7314440-1	Lancaster	2	514	8/7/24 2:13	8/7/24 10:47
7314441-1	Columbia	20	1537	8/6/24 16:18	8/7/24 17:55
7314459-1	Cumberland	2	739	8/7/24 3:29	8/7/24 15:48
7314477-1	Northampton	12	410	8/7/24 4:43	8/7/24 11:33

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7314480-1	Montgomery	2	368	8/7/24 4:52	8/7/24 11:00
7314481-1	Columbia	5	515	8/7/24 4:55	8/7/24 13:30
7314485-1	Lancaster	23	517	8/7/24 5:01	8/7/24 13:38
7314487-1	Berks	19	469	8/7/24 5:11	8/7/24 13:00
7314492-1	Dauphin	2	372	8/7/24 5:36	8/7/24 11:48
7314513-1	Lycoming	22	416	8/7/24 6:36	8/7/24 13:32
7314535-1	Lancaster	2	422	8/7/24 6:58	8/7/24 14:00
7314570-1	Dauphin	2	426	8/7/24 7:09	8/7/24 14:15
7314583-1	Lancaster	27	469	8/7/24 7:34	8/7/24 15:23
7314888-1	Chester	42	642	8/7/24 12:13	8/7/24 22:55
7315039-1	Columbia	4	797	8/7/24 14:43	8/8/24 4:00
7315043-1	Columbia	3	733	8/7/24 14:47	8/8/24 3:00
7315429-1	Dauphin	558	369	8/6/24 18:20	8/7/24 0:29
7316009-1	Columbia	900	2462	8/6/24 16:21	8/8/24 9:23
7316018-1	Chester	302	472	8/6/24 20:06	8/7/24 3:58
7459749-1	Perry	5	1167	8/6/24 19:26	8/7/24 14:53
7459778-1	Dauphin	25	642	8/6/24 17:37	8/7/24 4:19

(f) Reason for the interruption or outages:

The interruptions were caused by a thunder and lightning event that affected all regions of PPL Electric's service territory beginning on Tuesday, August 6, 2024.

(g) Projected time of restoration:

Restoration was projected to be completed by 1500 on Wednesday, August 7, 2024.

(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	125	Office Personnel
PPL Electric Utilities	335	D Line
PPL Electric Utilities	0	Permit Holder
PPL Electric Utilities	30	Damage Assessor
PPL Electric Utilities	5	Material Support
PPL Electric Utilities	36	Electricians
IB Abel	87	Electrical Contract Crews
Infrasource	87	Electrical Contract Crews
O'Connell Electric	5	Electrical Contract Crews
Premium Utility	12	Electrical Contract Crews
Haugland	146	Electrical Contract Crews
PPL Electric Utilities	6	Tree Contract Crew Support
ECI Environmental Consultants	2	Tree Contract Crew Support
PennLine	42	Tree Contract Crew
Treesmiths	20	Tree Contract Crew
Asplundh	144	Tree Contract Crew

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

The initial service interruption occurred at approximately 1400 on Tuesday, August 6, 2024.

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

PPL repair crews were first assembled at 1500 on August 6, 2024.

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

All customers were restored by 0923 on Thursday, August 8, 2024

- (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 – 14,826 feet
- Arrestors – 17
- Crossarms – 19
- Wood Poles – 11
- Transformers – 13
- Cutouts – 18

- (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 Tuesday, August 6, PPL Electric's weather outlook for Tuesday, August 6 called for high wind gusts of 40-45 MPH, with possible isolated peaks gusting to 50 MPH. Additionally, the outlook called for rain accumulation between 1 and 3 inches, with possibly 2 to 4 inches in localized cells during the evening time hours of the 6th and into the morning hours of the 7th. Actual weather was generally consistent with the forecast.

- (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:
