



**VIA E-FILE**

April 17, 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 and Wind Event on April 1 – April 2, 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 and wind event between 0530 on Saturday, April 1, 2023, and 1400 on Sunday, April 2, 2023. This event caused 435 outage cases and 24,323 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 April 17, 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 9<sup>th</sup> 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:  
April 2, 2023, at approximately 0718.
  
5. Interruption or Outage:
  - (a) Number of customers affected: 24,323.

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

County	Outage Cases	Trouble Cases
Berks	4	
Bucks	7	2
Carbon	6	2
Chester	7	
Clinton	13	6
Columbia	33	6
Cumberland	17	8
Dauphin	24	18
Juniata	6	1
Lackawanna	21	9
Lancaster	54	13
Lebanon	3	
Lehigh	5	3
Luzerne	24	6
Lycoming	34	9
Monroe	27	14
Montgomery	1	
Montour	8	1
Northampton	4	1
Northumberland	30	7
Perry	11	8
Pike	10	2
Schuylkill	29	4
Snyder	11	5
Susquehanna	5	
Union	4	3
Wayne	35	12
York	2	
	<b>435</b>	<b>140</b>

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

County	Number of Customers Interrupted
Unknown	28
Berks	125
Bucks	125
Carbon	159
Chester	122
Clinton	854
Columbia	2,100
Cumberland	600
Dauphin	2,815
Juniata	261
Lackawanna	683
Lancaster	3,086
Lebanon	22
Lehigh	96
Luzerne	1,926
Lycoming	2,196
Monroe	557
Montgomery	3
Montour	314
Northampton	23
Northumberland	2,192
Perry	101
Pike	249
Schuylkill	670
Snyder	2,164
Susquehanna	271
Union	35
Wayne	2,522
York	24
	24,323

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

One hundred seventy-seven (177) 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
6609229-1	Columbia	4	364	4/1/23 6:17	4/1/23 12:21
6609230-1	Lycoming	9	491	4/1/23 6:19	4/1/23 14:30
6609266-1	Lancaster	2	2203	4/1/23 8:52	4/2/23 21:35
6609268-1	Columbia	5	731	4/1/23 8:54	4/1/23 21:05
6609414-1	Northumberland	15	382	4/1/23 14:08	4/1/23 20:30
6609480-1	Lycoming	9	1091	4/1/23 15:29	4/2/23 9:40
6609515-1	Snyder	24	545	4/1/23 15:45	4/2/23 0:50
6609535-1	Lycoming	65	2047	4/1/23 15:53	4/3/23 2:00
6609547-1	Lycoming	1	981	4/1/23 15:59	4/2/23 8:20
6609558-1	Columbia	2	437	4/1/23 16:00	4/1/23 23:17
6609562-1	Northumberland	3	1588	4/1/23 16:02	4/2/23 18:30
6609568-1	Union	23	551	4/1/23 16:03	4/2/23 1:14
6609571-1	Snyder	11	818	4/1/23 16:05	4/2/23 5:43
6609578-1	Lycoming	1	1463	4/1/23 16:07	4/2/23 16:30
6609579-1	Columbia	1	1497	4/1/23 16:10	4/2/23 17:07
6609580-1	Union	9	1117	4/1/23 16:09	4/2/23 10:46
6609594-1	Clinton	295	1602	4/1/23 16:13	4/2/23 18:55
6609600-1	Lycoming	19	1551	4/1/23 16:13	4/2/23 18:04
6609605-1	Lycoming	2	376	4/1/23 16:14	4/1/23 22:30
6609616-1	Columbia	16	426	4/1/23 16:19	4/1/23 23:25
6609620-1	Columbia	8	445	4/1/23 16:20	4/1/23 23:45
6609628-1	Northumberland	3	748	4/1/23 16:19	4/2/23 4:47
6609637-1	Luzerne	9	618	4/1/23 16:22	4/2/23 2:40
6609640-1	Columbia	2	607	4/1/23 16:23	4/2/23 2:30
6609644-1	Luzerne	4	635	4/1/23 16:25	4/2/23 3:00
6609660-1	Luzerne	16	741	4/1/23 16:29	4/2/23 4:50
6609671-1	Lackawanna	1	1746	4/1/23 16:34	4/2/23 21:40
6609686-1	Susquehanna	54	484	4/1/23 16:38	4/2/23 0:42
6609695-1	Columbia	3	538	4/1/23 16:40	4/2/23 1:38
6609696-1	Northumberland	4	1238	4/1/23 16:40	4/2/23 13:18
6609699-1	Juniata	28	409	4/1/23 16:41	4/1/23 23:30
6609702-1	Columbia	11	499	4/1/23 16:41	4/2/23 1:00
6609704-1	Juniata	3	704	4/1/23 16:43	4/2/23 4:27
6609715-1	Susquehanna	43	1197	4/1/23 16:45	4/2/23 12:42
6609718-1	Dauphin	36	409	4/1/23 16:45	4/1/23 23:35
6609730-1	Wayne	16	364	4/1/23 16:49	4/1/23 22:53
6609739-1	Union	1	430	4/1/23 16:53	4/2/23 0:03
6609745-1	Pike	17	385	4/1/23 16:54	4/1/23 23:19
6609748-1	Wayne	13	779	4/1/23 16:54	4/2/23 5:53
6609750-1	Columbia	27	703	4/1/23 16:54	4/2/23 4:37
6609756-1	Schuylkill	2	1176	4/1/23 16:58	4/2/23 12:34
6609758-1	Columbia	17	729	4/1/23 16:57	4/2/23 5:06
6609760-1	Columbia	9	472	4/1/23 16:58	4/2/23 0:50
6609771-1	Wayne	8	1493	4/1/23 17:00	4/2/23 17:53
6609776-1	Columbia	8	556	4/1/23 17:03	4/2/23 2:19
6609777-1	Lycoming	1	1111	4/1/23 17:04	4/2/23 11:35
6609783-1	Columbia	5	767	4/1/23 16:03	4/2/23 4:50
6609789-1	Wayne	4	642	4/1/23 17:08	4/2/23 3:50
6609802-1	Montour	8	669	4/1/23 17:11	4/2/23 4:20
6609810-1	Columbia	1	424	4/1/23 17:17	4/2/23 0:21

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6609812-1	Monroe	19	1105	4/1/23 17:17	4/2/23 11:42
6609826-1	Montour	1	447	4/1/23 17:23	4/2/23 0:50
6609832-1	Lycoming	1	749	4/1/23 17:26	4/2/23 5:55
6609833-1	Columbia	32	495	4/1/23 17:25	4/2/23 1:40
6609835-1	Wayne	1	1283	4/1/23 17:26	4/2/23 14:49
6609840-1	Wayne	2	1195	4/1/23 17:28	4/2/23 13:23
6609847-1	Luzerne	64	406	4/1/23 17:32	4/2/23 0:18
6609861-1	Columbia	51	640	4/1/23 17:35	4/2/23 4:15
6609866-1	Luzerne	12	427	4/1/23 17:38	4/2/23 0:45
6609869-1	Wayne	13	1095	4/1/23 17:38	4/2/23 11:53
6609872-1	Columbia	5	792	4/1/23 17:38	4/2/23 6:50
6609874-1	Luzerne	13	392	4/1/23 17:38	4/2/23 0:10
6609884-1	Lehigh	11	368	4/1/23 17:42	4/1/23 23:50
6609887-1	Lackawanna	1	1366	4/1/23 17:44	4/2/23 16:30
6609890-1	Luzerne	47	757	4/1/23 16:16	4/2/23 4:53
6609893-1	Columbia	2	720	4/1/23 17:44	4/2/23 5:44
6609895-1	Schuylkill	2	496	4/1/23 17:44	4/2/23 2:00
6609918-1	Carbon	13	377	4/1/23 17:48	4/2/23 0:05
6609923-1	Luzerne	1	530	4/1/23 17:50	4/2/23 2:40
6609924-1	Monroe	15	410	4/1/23 17:50	4/2/23 0:40
6609931-1	Luzerne	299	435	4/1/23 17:53	4/2/23 1:08
6609944-1	Lycoming	3	678	4/1/23 17:55	4/2/23 5:13
6609951-1	Columbia	1	632	4/1/23 17:58	4/2/23 4:30
6609952-1	Lancaster	4	655	4/1/23 17:59	4/2/23 4:54
6609956-1	Montour	2	1454	4/1/23 16:28	4/2/23 16:42
6609965-1	Pike	1	1065	4/1/23 18:02	4/2/23 11:47
6609981-1	Wayne	5	1181	4/1/23 18:05	4/2/23 13:46
6609983-1	Monroe	3	1686	4/1/23 18:04	4/2/23 22:10
6609990-1	Monroe	2	638	4/1/23 18:12	4/2/23 4:50
6609995-1	Carbon	35	686	4/1/23 18:11	4/2/23 5:37
6609996-1	Cumberland	1	363	4/1/23 18:13	4/2/23 0:16
6609997-1	Cumberland	5	407	4/1/23 18:13	4/2/23 1:00
6610011-1	Monroe	1	364	4/1/23 18:15	4/2/23 0:19
6610028-1	Cumberland	1	645	4/1/23 18:19	4/2/23 5:04
6610036-1	Wayne	1	431	4/1/23 18:24	4/2/23 1:35
6610041-1	Cumberland	3	1279	4/1/23 18:25	4/2/23 15:44
6610047-1	Dauphin	23	1101	4/1/23 18:26	4/2/23 12:47
6610062-1	Monroe	25	524	4/1/23 18:30	4/2/23 3:14
6610073-1	Dauphin	6	390	4/1/23 18:33	4/2/23 1:03
6610089-1	Dauphin	37	430	4/1/23 18:41	4/2/23 1:51
6610092-1	Lancaster	13	550	4/1/23 18:41	4/2/23 3:51
6610095-1	Monroe	1	1215	4/1/23 18:43	4/2/23 14:58
6610143-1	Clinton	87	572	4/1/23 15:38	4/2/23 1:10
6610163-1	York	2	1439	4/1/23 18:59	4/2/23 18:58
6610168-1	Lancaster	2	1560	4/1/23 19:01	4/2/23 21:01
6610171-1	Lancaster	119	976	4/1/23 19:02	4/2/23 11:18
6610210-1	Lancaster	47	471	4/1/23 19:14	4/2/23 3:05
6610222-1	Juniata	7	375	4/1/23 19:20	4/2/23 1:35
6610227-1	Columbia	2	1452	4/1/23 19:22	4/2/23 19:34
6610249-1	Lancaster	13	856	4/1/23 19:35	4/2/23 9:51

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6610280-1	Clinton	17	1764	4/1/23 19:51	4/3/23 1:15
6610292-1	Northumberland	2	374	4/1/23 19:49	4/2/23 2:03
6610293-1	Snyder	1	449	4/1/23 20:00	4/2/23 3:29
6610297-1	Northumberland	6	498	4/1/23 20:01	4/2/23 4:19
6610305-1	Luzerne	9	670	4/1/23 17:57	4/2/23 5:07
6610310-1	Snyder	1	560	4/1/23 20:10	4/2/23 5:30
6610314-1	Schuykill	12	886	4/1/23 20:10	4/2/23 10:56
6610319-1	Schuykill	6	998	4/1/23 20:12	4/2/23 12:50
6610323-1	Lycoming	1	1675	4/1/23 20:15	4/3/23 0:10
6610341-1	Schuykill	2	563	4/1/23 20:19	4/2/23 5:42
6610349-1	Dauphin	30	802	4/1/23 20:23	4/2/23 9:45
6610360-1	Dauphin	18	586	4/1/23 20:34	4/2/23 6:20
6610366-1	Schuykill	2	380	4/1/23 20:40	4/2/23 3:00
6610368-1	Schuykill	1	711	4/1/23 20:41	4/2/23 8:32
6610373-1	Lancaster	1	1213	4/1/23 20:41	4/2/23 16:54
6610385-1	Schuykill	160	776	4/1/23 20:47	4/2/23 9:43
6610390-1	Cumberland	2	436	4/1/23 19:07	4/2/23 2:23
6610402-1	Lancaster	131	1242	4/1/23 20:58	4/2/23 17:40
6610403-1	Lancaster	348	512	4/1/23 20:59	4/2/23 5:31
6610404-1	Chester	1	1314	4/1/23 20:59	4/2/23 18:53
6610405-1	Lancaster	29	466	4/1/23 20:59	4/2/23 4:45
6610409-1	Lancaster	19	1004	4/1/23 21:02	4/2/23 13:46
6610415-1	Dauphin	3	872	4/1/23 21:04	4/2/23 11:36
6610422-1	Lancaster	47	1000	4/1/23 21:06	4/2/23 13:46
6610432-1	Schuykill	3	1106	4/1/23 21:11	4/2/23 15:37
6610455-1	Lancaster	9	743	4/1/23 21:25	4/2/23 9:48
6610456-1	Lancaster	2	1158	4/1/23 21:26	4/2/23 16:44
6610458-1	Lancaster	26	919	4/1/23 21:26	4/2/23 12:45
6610462-1	Berks	29	1000	4/1/23 21:30	4/2/23 14:10
6610463-1	Columbia	2	1096	4/1/23 21:29	4/2/23 15:45
6610473-1	Lancaster	12	849	4/1/23 21:33	4/2/23 11:42
6610475-1	Schuykill	1	446	4/1/23 21:34	4/2/23 5:00
6610482-1	Chester	1	1221	4/1/23 21:39	4/2/23 18:00
6610486-1	Schuykill	1	934	4/1/23 21:40	4/2/23 13:14
6610489-1	Lancaster	28	1064	4/1/23 21:40	4/2/23 15:24
6610494-1	Lancaster	2	1106	4/1/23 21:42	4/2/23 16:08
6610495-1	Lycoming	1	752	4/1/23 21:44	4/2/23 10:16
6610520-1	Chester	4	1192	4/1/23 22:09	4/2/23 18:01
6610548-1	Lancaster	6	1050	4/1/23 22:57	4/2/23 16:27
6610552-1	Monroe	2	413	4/1/23 23:07	4/2/23 6:00
6610575-1	Lancaster	9	1208	4/1/23 23:55	4/2/23 20:03
6610583-1	Perry	1	719	4/2/23 0:14	4/2/23 12:13
6610603-1	Perry	3	656	4/2/23 1:17	4/2/23 12:13
6610609-1	Northumberland	7	1011	4/2/23 0:37	4/2/23 17:28
6610616-1	Schuykill	4	733	4/2/23 1:50	4/2/23 14:03
6610631-1	Lackawanna	3	934	4/1/23 23:27	4/2/23 15:01
6610633-1	Lancaster	40	1395	4/2/23 2:45	4/3/23 2:00
6610635-1	Chester	1	843	4/2/23 2:52	4/2/23 16:55
6610637-1	Monroe	32	916	4/2/23 2:54	4/2/23 18:10
6610640-1	Lancaster	397	691	4/2/23 2:55	4/2/23 14:26

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6610650-1	Dauphin	1	695	4/2/23 3:08	4/2/23 14:43
6610661-1	Pike	4	649	4/2/23 3:41	4/2/23 14:30
6610665-1	Lancaster	141	567	4/2/23 3:47	4/2/23 13:14
6610688-1	Dauphin	7	598	4/2/23 5:14	4/2/23 15:12
6610712-1	Clinton	11	719	4/2/23 6:21	4/2/23 18:20
6610730-1	Lehigh	1	379	4/2/23 6:48	4/2/23 13:07
6610735-1	Clinton	7	974	4/2/23 7:01	4/2/23 23:15
6610745-1	Lancaster	8	526	4/2/23 7:14	4/2/23 16:00
6610769-1	Bucks	1	624	4/2/23 7:51	4/2/23 18:15
6610795-1	Lancaster	5	647	4/2/23 2:15	4/2/23 13:02
6610842-1	Lycoming	4	1951	4/1/23 16:44	4/3/23 1:15
6610853-1	Wayne	11	604	4/2/23 9:38	4/2/23 19:42
6610862-1	Chester	1	465	4/2/23 9:50	4/2/23 17:35
6610913-1	Lancaster	3	396	4/2/23 11:24	4/2/23 18:00
6610973-1	Northampton	4	392	4/2/23 13:08	4/2/23 19:40
6611055-1	Chester	14	846	4/2/23 2:04	4/2/23 16:10
6611189-1	Luzerne	24	371	4/1/23 17:50	4/2/23 0:01
6611268-1	Lehigh	2	690	4/2/23 1:56	4/2/23 13:26
6611473-1	Northumberland	28	1404	4/1/23 16:26	4/2/23 15:50
6611486-1	Northumberland	4	1205	4/1/23 16:29	4/2/23 12:34
6611493-1	Lycoming	2	1062	4/1/23 16:53	4/2/23 10:35
6611496-1	Northumberland	2	435	4/1/23 15:46	4/1/23 23:01
6611513-1	Northumberland	25	649	4/1/23 17:18	4/2/23 4:07
6611981-1	Clinton	10	1265	4/1/23 15:15	4/2/23 12:20
6611983-1	Clinton	132	1716	4/1/23 16:24	4/2/23 21:00
6612684-1	Columbia	6	1049	4/1/23 17:33	4/2/23 11:02
6612922-1	Cumberland	45	760	4/1/23 16:24	4/2/23 5:04

(f) Reason for the interruption or outages:

The interruptions were caused by a wind event with an embedded thunder and lightning storm on April 1-2, 2023. This system brought over 24 hours of elevated winds to all regions PPL Electric's service territory, as well as a line of thunder and lightning activity. Frequent wind gusts in the 35-50 MPH range were common, with several peak observations of 50-55 MPH.

(g) Projected time of restoration:

Restoration was projected to be completed by 0300 on April 3, 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	247	Distribution Line
PPL Electric Utilities	21	Foremen
PPL Electric Utilities	77	Electricians
PPL Electric Utilities	27	Material Handlers
PPL Electric Utilities	74	Substation Electricians
PPL Electric Utilities	90	Office Personnel
Harlan	17	Electrical Contract Personnel
Haugland	6	Electrical Contract Personnel
IB- Abel	37	Electrical Contract Personnel
Matrix Nac	8	Electrical Contract Personnel
O'Connell Electric	8	Electrical Contract Personnel
Primoris Electric	25	Electrical Contract Personnel
Infrasource	15	Electrical Contract Personnel
Everhart & Hoover	8	Electrical Contract Personnel
Treesmiths	18	Tree Contract Personnel
Pennline	18	Tree Contract Personnel
Asplundh	73	Tree Contract Personnel

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

The initial service interruption occurred at approximately 0530 on April 1, 2023.

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

Crews were staged and assembled on April 1, 2023, at approximately 1500.

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

The final customer was restored at 0200 on April 3, 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 – 10,483 feet
- Arrestors – 24
- Cross arms – 28
- Wood Poles – 21
- Transformers – 29
- Cutouts – 32

- (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 March 31, PPL Electric's weather outlook for April 1-2 called for a cold front bringing approximately 30 hours of elevated winds to PPL Electric's territory. Wind gusts were forecast to be in the 30-40 MPH range for most of the event, with peaks in the 45-50 MPH range during the passage of a squall line that would also bring embedded thunder and lightning. Precipitation accumulation was forecast at 1/2 inch.

Actual conditions were generally in line with predictions, although the highest peak gusts were ~5 MPH above 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:

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