



VIA E-FILE

January 16, 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 Wind Event on December 27-28, 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 wind event between 2000 on Wednesday, December 27th and 1100 on Thursday, December 28, 2023. This event caused 148 outage cases and 9,301 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 January 16, 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
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:
December 28, 2023, at approximately 08:44

5. Interruption or Outage:
 - (a) Number of customers affected: 9,301

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

County	Outage Cases	Trouble Cases
Berks	4	
Bucks	23	4
Carbon	21	2
Chester	3	1
Clinton	1	
Cumberland		2
Dauphin	2	1
Juniata	1	
Lackawanna	8	4
Lancaster	9	3
Lebanon	2	1
Lehigh	19	8
Luzerne	1	1
Lycoming		1
Monroe	6	1
Montgomery		1
Northampton	15	6
Perry		2
Pike	6	1
Schuylkill	11	
Snyder		1
Susquehanna	1	
Union	1	
Wayne	13	5
York	1	1
Total	148	46

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

County	Number of Customers Interrupted
Berks	253
Bucks	363
Carbon	1,847
Chester	150
Clinton	32
Dauphin	13
Lackawanna	688
Lancaster	198
Lebanon	25
Lehigh	3,220
Luzerne	25
Monroe	88
Northampton	1,293
Pike	85
Schuylkill	171
Susquehanna	13
Union	4
Wayne	803
York	30
Total	9,301

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

Ninety eight (98) 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
7129946-1	Carbon	6	398	12/27/23 21:45	12/28/23 4:23
7129960-1	Lebanon	9	364	12/27/23 22:06	12/28/23 4:10
7129961-1	Schuylkill	21	442	12/27/23 22:09	12/28/23 5:31
7129963-1	Carbon	2	556	12/27/23 22:14	12/28/23 7:30
7129977-1	Lackawanna	14	741	12/27/23 22:40	12/28/23 11:01
7129980-1	Lancaster	6	958	12/27/23 22:59	12/28/23 14:57
7129983-1	Berks	5	427	12/27/23 23:07	12/28/23 6:14
7129991-1	Schuylkill	24	663	12/27/23 23:22	12/28/23 10:25
7129992-1	Schuylkill	5	692	12/27/23 23:24	12/28/23 10:56
7129994-1	Union	4	372	12/27/23 23:28	12/28/23 5:40
7129998-1	Lancaster	80	413	12/27/23 23:29	12/28/23 6:22
7130014-1	Chester	1	871	12/27/23 23:47	12/28/23 14:18
7130021-1	Schuylkill	3	733	12/27/23 23:57	12/28/23 12:10
7130023-1	Carbon	1	414	12/27/23 23:57	12/28/23 6:51
7130030-1	Pike	4	505	12/28/23 0:00	12/28/23 8:25
7130031-1	Carbon	29	638	12/28/23 0:07	12/28/23 10:45
7130033-1	Carbon	1217	920	12/28/23 0:11	12/28/23 15:31
7130044-1	Lehigh	51	432	12/28/23 0:28	12/28/23 7:40
7130048-1	Bucks	19	696	12/28/23 0:34	12/28/23 12:10
7130053-1	Chester	1	751	12/27/23 23:32	12/28/23 12:03
7130062-1	Lehigh	8	1023	12/28/23 0:42	12/28/23 17:45
7130063-1	Carbon	65	558	12/28/23 0:42	12/28/23 10:00
7130064-1	Northampton	52	687	12/28/23 0:43	12/28/23 12:10
7130067-1	Lehigh	3	734	12/28/23 0:44	12/28/23 12:58
7130068-1	Lackawanna	31	407	12/28/23 0:44	12/28/23 7:31
7130071-1	Carbon	9	521	12/28/23 0:45	12/28/23 9:26
7130072-1	Lehigh	79	768	12/28/23 0:46	12/28/23 13:34
7130073-1	Lehigh	24	1064	12/28/23 0:46	12/28/23 18:30
7130076-1	Carbon	48	405	12/28/23 0:47	12/28/23 7:32
7130078-1	Carbon	110	451	12/28/23 0:48	12/28/23 8:19
7130083-1	Lehigh	31	729	12/28/23 0:51	12/28/23 13:00
7130084-1	Lehigh	12	741	12/28/23 0:52	12/28/23 13:13
7130087-1	Lehigh	34	889	12/28/23 0:56	12/28/23 15:45
7130089-1	Carbon	23	584	12/28/23 0:51	12/28/23 10:35
7130093-1	Bucks	34	543	12/28/23 0:57	12/28/23 10:00
7130095-1	Lehigh	2	663	12/28/23 0:57	12/28/23 12:00
7130100-1	Carbon	27	789	12/28/23 1:01	12/28/23 14:10
7130102-1	Susquehanna	13	400	12/28/23 1:07	12/28/23 7:47
7130103-1	Bucks	34	856	12/28/23 1:09	12/28/23 15:25
7130105-1	Northampton	21	656	12/28/23 1:09	12/28/23 12:05
7130106-1	Lehigh	3	370	12/28/23 1:11	12/28/23 7:21
7130107-1	Northampton	4	580	12/28/23 1:10	12/28/23 10:50
7130110-1	Luzerne	25	423	12/28/23 1:12	12/28/23 8:15
7130112-1	Bucks	2	763	12/28/23 1:12	12/28/23 13:55
7130113-1	Carbon	1	727	12/28/23 1:13	12/28/23 13:20
7130115-1	Lehigh	3	615	12/28/23 1:13	12/28/23 11:28
7130116-1	Bucks	13	684	12/28/23 1:16	12/28/23 12:40
7130118-1	Lehigh	2	867	12/28/23 1:17	12/28/23 15:44
7130119-1	Bucks	16	716	12/28/23 1:18	12/28/23 13:14
7130121-1	Northampton	15	911	12/28/23 1:19	12/28/23 16:30

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7130122-1	Bucks	5	909	12/28/23 1:21	12/28/23 16:30
7130127-1	Bucks	36	708	12/28/23 1:22	12/28/23 13:10
7130129-1	Northampton	25	506	12/28/23 1:24	12/28/23 9:50
7130132-1	Northampton	4	608	12/28/23 1:28	12/28/23 11:36
7130138-1	Bucks	11	666	12/28/23 1:29	12/28/23 12:35
7130140-1	Bucks	70	970	12/28/23 1:30	12/28/23 17:40
7130141-1	Bucks	2	1100	12/28/23 1:30	12/28/23 19:50
7130144-1	Bucks	3	749	12/28/23 1:31	12/28/23 14:00
7130147-1	Northampton	399	818	12/28/23 1:33	12/28/23 15:17
7130148-1	Bucks	3	669	12/28/23 1:32	12/28/23 12:41
7130149-1	Bucks	18	770	12/28/23 1:35	12/28/23 14:25
7130150-1	Wayne	200	391	12/28/23 1:34	12/28/23 8:05
7130151-1	Northampton	2	596	12/28/23 1:34	12/28/23 11:30
7130155-1	Wayne	11	504	12/28/23 1:35	12/28/23 9:59
7130161-1	Schuylkill	3	591	12/28/23 1:39	12/28/23 11:30
7130163-1	Bucks	15	795	12/28/23 1:40	12/28/23 14:55
7130166-1	Schuylkill	10	628	12/27/23 23:47	12/28/23 10:15
7130169-1	Wayne	136	785	12/28/23 1:45	12/28/23 14:50
7130171-1	Northampton	5	614	12/28/23 1:46	12/28/23 12:00
7130173-1	Wayne	70	389	12/28/23 1:50	12/28/23 8:19
7130175-1	Wayne	4	572	12/28/23 1:51	12/28/23 11:23
7130177-1	Wayne	2	818	12/28/23 1:52	12/28/23 15:30
7130179-1	Lehigh	27	667	12/28/23 2:03	12/28/23 13:10
7130188-1	Wayne	3	411	12/28/23 2:23	12/28/23 9:14
7130191-1	Carbon	29	601	12/28/23 2:32	12/28/23 12:33
7130192-1	Carbon	7	452	12/28/23 2:32	12/28/23 10:04
7130198-1	Pike	8	681	12/28/23 2:41	12/28/23 14:02
7130200-1	Carbon	2	365	12/28/23 2:55	12/28/23 9:00
7130205-1	Northampton	5	629	12/28/23 3:03	12/28/23 13:32
7130208-1	Clinton	32	455	12/28/23 3:17	12/28/23 10:52
7130210-1	Northampton	47	479	12/28/23 3:19	12/28/23 11:18
7130211-1	Wayne	28	778	12/28/23 1:50	12/28/23 14:48
7130212-1	Schuylkill	1	383	12/28/23 3:23	12/28/23 9:46
7130213-1	Carbon	20	704	12/28/23 1:01	12/28/23 12:45
7130214-1	Monroe	13	652	12/28/23 3:22	12/28/23 14:14
7130232-1	Wayne	60	788	12/28/23 1:40	12/28/23 14:48
7130241-1	Northampton	2	540	12/28/23 5:00	12/28/23 14:00
7130242-1	Lackawanna	3	638	12/28/23 5:02	12/28/23 15:40
7130258-1	Carbon	11	455	12/28/23 6:00	12/28/23 13:35
7130277-1	Bucks	3	679	12/28/23 6:57	12/28/23 18:16
7130280-1	Northampton	62	471	12/28/23 7:09	12/28/23 15:00
7130289-1	Monroe	4	440	12/28/23 7:20	12/28/23 14:40
7130290-1	Lancaster	1	488	12/28/23 7:23	12/28/23 15:31
7130297-1	Bucks	7	718	12/28/23 2:17	12/28/23 14:15
7130398-1	Lehigh	1	467	12/28/23 9:28	12/28/23 17:15
7130425-1	Bucks	2	820	12/28/23 9:50	12/28/23 23:30
7130514-1	Bucks	1	389	12/28/23 10:58	12/28/23 17:27
7130529-1	Schuylkill	66	372	12/28/23 7:24	12/28/23 13:36

(f) Reason for the interruption or outages:

The interruptions were caused by a wind event on December 27-28th, 2023, that brought strong gusts and rain across PPL Electric's service territory. Peak wind gusts in the range of 35-40 MPH were observed at several locations.

(g) Projected time of restoration:

Restoration was projected to be completed by 0500 on December 29, 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:

Utility/Company	# of Workers	General Function
PPL EU	191	Distribution Line
PPL EU	11	Foremen
PPL EU	11	Electricians
PPL EU	3	Substation Electricians
PPL EU	22	Material Handlers
PPL EU	0	Assessors
PPL EU	1	Tree Crew Management
PPL EU	0	Equipment Operator
PPL EU	60	Office Personnel
Haugland	5	Electrical Contract Crews
IB Abel	41	Electrical Contract Crews
Infrasource	27	Electrical Contract Crews
O'Connell Electric	4	Electrical Contract Crews
Primoris Electric, Inc	44	Electrical Contract Crews
ECI Environmental Consultants	3	Tree Crew Management
Pennline	7	Tree Contract Crews
Treesmiths	3	Tree Contract Crews
Asplundh	28	Tree Contract Crews

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

The initial service interruption occurred at approximately 2000 on December 27, 2023.

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

Crews were assembled on December 28, 2023, at approximately 0058.

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

The final customer was restored at 0423 on December 29, 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 – 1,300 feet
- Arrestors – 4
- Cross arms – 6
- Wood Poles – 3
- 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 December 27, 2023, the forecast for December 27, 2023, called for periods of rainfall later in the day with wind gusts that could approach 25-35 MPH. The actual weather was in line 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:
