



VIA E-FILE

December 28, 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 Wind Event on December 10-11, 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 1900 on Sunday, December 10th and 1800 on Monday, December 11, 2023. This event caused 266 outage cases and 15,550 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 December 28, 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:
December 11, 2023, at approximately 1357.

5. Interruption or Outage:
 - (a) Number of customers affected: 15,550

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

County	Outage Cases	Trouble Cases
Berks	1	
Bucks	5	
Carbon	1	3
Chester	1	1
Clinton	4	
Columbia	5	2
Cumberland	7	3
Dauphin	6	5
Lackawanna	44	9
Lancaster	15	3
Lehigh	16	11
Luzerne	10	8
Lycoming	1	
Monroe	25	18
Montgomery	1	
Montour	1	
Northampton	9	1
Northumberland	4	1
Perry	4	1
Pike	30	3
Schuylkill	7	4
Snyder	3	3
Susquehanna	2	
Union	3	1
Wayne	60	13
Unknown	1	1
Total	266	91

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

County	Number of Customers Interrupted
Berks	29
Bucks	277
Carbon	66
Chester	301
Clinton	75
Columbia	92
Cumberland	446
Dauphin	44
Lackawanna	3,009
Lancaster	672
Lehigh	837
Luzerne	710
Lycoming	2
Monroe	582
Montgomery	1
Montour	46
Northampton	364
Northumberland	553
Perry	5
Pike	4,141
Schuylkill	286
Snyder	219
Susquehanna	21
Union	34
Wayne	2,722
Unknown	16
Total	15,550

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

One hundred and thirteen (113) 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
7120848-1	Lehigh	14	1411	12/10/23 19:14	12/11/23 18:45
7120882-1	Northampton	1	1441	12/10/23 19:46	12/11/23 19:47
7120890-1	Lehigh	78	539	12/10/23 20:14	12/11/23 5:13
7120910-1	Northampton	2	1060	12/10/23 20:43	12/11/23 14:23
7120916-1	Lehigh	51	526	12/10/23 20:53	12/11/23 5:39
7120939-1	Bucks	85	901	12/10/23 21:44	12/11/23 12:45
7120944-1	Northampton	12	787	12/10/23 22:00	12/11/23 11:07
7120977-1	Bucks	76	444	12/10/23 23:06	12/11/23 6:30
7121016-1	Lehigh	3	567	12/11/23 0:33	12/11/23 10:00
7121027-1	Lackawanna	59	758	12/11/23 1:42	12/11/23 14:20
7121031-1	Wayne	109	636	12/11/23 1:49	12/11/23 12:25
7121035-1	Northampton	25	499	12/11/23 2:21	12/11/23 10:40
7121040-1	Wayne	7	509	12/11/23 2:43	12/11/23 11:12
7121042-1	Pike	7	436	12/11/23 2:48	12/11/23 10:04
7121044-1	Lackawanna	39	504	12/11/23 2:51	12/11/23 11:15
7121057-1	Columbia	37	400	12/11/23 3:10	12/11/23 9:50
7121061-1	Wayne	4	948	12/11/23 3:17	12/11/23 19:05
7121062-1	Union	4	381	12/11/23 3:19	12/11/23 9:40
7121066-1	Pike	52	787	12/11/23 3:33	12/11/23 16:40
7121072-1	Lackawanna	3	368	12/11/23 3:58	12/11/23 10:06
7121079-1	Lackawanna	25	482	12/11/23 4:10	12/11/23 12:12
7121081-1	Wayne	6	606	12/11/23 4:13	12/11/23 14:19
7121082-1	Lackawanna	28	583	12/11/23 4:17	12/11/23 14:00
7121094-1	Wayne	13	727	12/11/23 4:22	12/11/23 16:30
7121096-1	Wayne	2	666	12/11/23 4:24	12/11/23 15:30
7121099-1	Lackawanna	15	705	12/11/23 4:30	12/11/23 16:15
7121105-1	Northumberland	335	420	12/11/23 4:37	12/11/23 11:37
7121107-1	Pike	94	385	12/11/23 4:53	12/11/23 11:18
7121110-1	Wayne	5	440	12/11/23 4:40	12/11/23 12:00
7121112-1	Wayne	16	528	12/11/23 4:41	12/11/23 13:29
7121125-1	Wayne	4	364	12/11/23 4:56	12/11/23 11:00
7121126-1	Pike	28	408	12/11/23 4:57	12/11/23 11:45
7121128-1	Cumberland	34	721	12/11/23 5:02	12/11/23 17:03
7121130-1	Lackawanna	1	524	12/11/23 5:06	12/11/23 13:50
7121136-1	Pike	519	616	12/11/23 5:09	12/11/23 15:25
7121147-1	Lehigh	15	584	12/11/23 5:11	12/11/23 14:55
7121148-1	Lackawanna	53	1217	12/11/23 5:12	12/12/23 1:29
7121170-1	Wayne	13	711	12/11/23 5:29	12/11/23 17:20
7121173-1	Pike	12	762	12/11/23 5:33	12/11/23 18:15
7121187-1	Pike	39	473	12/11/23 5:37	12/11/23 13:30
7121188-1	Wayne	71	494	12/11/23 5:42	12/11/23 13:56
7121191-1	Pike	209	370	12/11/23 5:47	12/11/23 11:57
7121197-1	Wayne	44	932	12/11/23 5:48	12/11/23 21:20
7121204-1	Pike	40	445	12/11/23 5:53	12/11/23 13:18
7121220-1	Lackawanna	27	365	12/11/23 6:10	12/11/23 12:15
7121231-1	Lackawanna	106	513	12/11/23 6:19	12/11/23 14:52
7121233-1	Wayne	2	691	12/11/23 6:24	12/11/23 17:55
7121235-1	Lackawanna	3	750	12/11/23 6:25	12/11/23 18:55
7121238-1	Susquehanna	16	892	12/11/23 6:26	12/11/23 21:18
7121250-1	Lackawanna	2	441	12/11/23 6:44	12/11/23 14:05

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7121251-1	Pike	84	704	12/11/23 6:46	12/11/23 18:30
7121274-1	Lackawanna	71	466	12/11/23 7:09	12/11/23 14:55
7121275-1	Pike	23	1725	12/11/23 7:08	12/12/23 11:54
7121290-1	Susquehanna	5	537	12/11/23 7:33	12/11/23 16:30
7121291-1	Columbia	1	371	12/11/23 7:12	12/11/23 13:23
7121299-1	Pike	1	540	12/11/23 7:44	12/11/23 16:44
7121314-1	Monroe	109	381	12/11/23 7:57	12/11/23 14:18
7121326-1	Wayne	10	858	12/11/23 8:03	12/11/23 22:21
7121332-1	Wayne	6	894	12/11/23 5:06	12/11/23 20:00
7121337-1	Lackawanna	16	443	12/11/23 8:16	12/11/23 15:39
7121339-1	Wayne	2	1680	12/11/23 8:18	12/12/23 12:18
7121347-1	Pike	32	448	12/11/23 8:19	12/11/23 15:47
7121359-1	Pike	1	723	12/11/23 8:27	12/11/23 20:30
7121370-1	Wayne	34	600	12/11/23 8:30	12/11/23 18:30
7121381-1	Wayne	61	436	12/11/23 8:34	12/11/23 15:50
7121386-1	Wayne	3	866	12/11/23 8:37	12/11/23 23:03
7121394-1	Wayne	53	658	12/11/23 8:42	12/11/23 19:40
7121398-1	Wayne	184	494	12/11/23 8:46	12/11/23 17:00
7121427-1	Wayne	3	523	12/11/23 8:55	12/11/23 17:38
7121428-1	Wayne	6	546	12/11/23 8:55	12/11/23 18:01
7121433-1	Wayne	7	421	12/11/23 8:59	12/11/23 16:00
7121435-1	Wayne	36	815	12/11/23 9:00	12/11/23 22:35
7121446-1	Pike	5	502	12/11/23 9:03	12/11/23 17:25
7121450-1	Pike	1	516	12/11/23 9:04	12/11/23 17:40
7121452-1	Lackawanna	3	716	12/11/23 9:04	12/11/23 21:00
7121462-1	Wayne	25	571	12/11/23 9:07	12/11/23 18:38
7121465-1	Lackawanna	44	585	12/11/23 9:10	12/11/23 18:55
7121469-1	Wayne	53	758	12/11/23 9:11	12/11/23 21:49
7121492-1	Lackawanna	11	658	12/11/23 9:20	12/11/23 20:18
7121493-1	Lackawanna	3	706	12/11/23 9:20	12/11/23 21:06
7121499-1	Pike	4	790	12/11/23 7:03	12/11/23 20:13
7121513-1	Pike	1	467	12/11/23 9:26	12/11/23 17:13
7121526-1	Lackawanna	18	669	12/11/23 9:33	12/11/23 20:42
7121561-1	Wayne	3	685	12/11/23 9:52	12/11/23 21:17
7121566-1	Monroe	82	480	12/11/23 9:57	12/11/23 17:57
7121570-1	Pike	2	736	12/11/23 9:58	12/11/23 22:14
7121605-1	Lackawanna	26	547	12/11/23 10:15	12/11/23 19:22
7121610-1	Lackawanna	62	538	12/11/23 10:18	12/11/23 19:16
7121620-1	Wayne	2	1375	12/11/23 10:25	12/12/23 9:20
7121634-1	Monroe	27	508	12/11/23 10:29	12/11/23 18:57
7121650-1	Monroe	11	719	12/11/23 9:37	12/11/23 21:36
7121656-1	Pike	186	496	12/11/23 10:40	12/11/23 18:56
7121659-1	Lackawanna	11	362	12/11/23 10:41	12/11/23 16:43
7121667-1	Monroe	11	464	12/11/23 10:46	12/11/23 18:30
7121687-1	Wayne	2	411	12/11/23 11:02	12/11/23 17:53
7121688-1	Wayne	19	488	12/11/23 11:02	12/11/23 19:10
7121699-1	Lackawanna	137	532	12/11/23 11:06	12/11/23 19:58
7121710-1	Monroe	7	522	12/11/23 11:11	12/11/23 19:53
7121712-1	Wayne	100	425	12/11/23 11:12	12/11/23 18:17
7121724-1	Wayne	1	889	12/11/23 11:16	12/12/23 2:05

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
7121738-1	Wayne	16	421	12/11/23 11:21	12/11/23 18:22
7121739-1	Monroe	1	522	12/11/23 11:22	12/11/23 20:04
7121997-1	Monroe	3	362	12/11/23 11:38	12/11/23 17:40
7122452-1	Wayne	10	394	12/11/23 11:54	12/11/23 18:28
7122536-1	Wayne	10	581	12/11/23 11:58	12/11/23 21:39
7123076-1	Pike	5	738	12/11/23 12:17	12/12/23 0:35
7124148-1	Wayne	7	537	12/11/23 14:20	12/11/23 23:17
7124300-1	Lehigh	14	390	12/11/23 16:08	12/11/23 22:38
7124322-1	Pike	59	1592	12/11/23 16:20	12/12/23 18:52
7124549-1	Lehigh	5	361	12/10/23 20:33	12/11/23 2:34
7125226-1	Lackawanna	502	437	12/11/23 4:05	12/11/23 11:22
7125227-1	Wayne	22	467	12/11/23 7:57	12/11/23 15:44
7128660-1	Pike	81	2060	12/11/23 5:30	12/12/23 15:50

(f) Reason for the interruption or outages:

The interruptions were caused by a wind event on December 10-11th, 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 1900 on December 12, 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	0	Assessors
PPL EU	1	Tree Crew Management
PPL EU	1	Equipment Operator
PPL EU	52	Office Personnel
Haugland	13	Electrical Contract Crews
IB Abel	40	Electrical Contract Crews
Infrasource	60	Electrical Contract Crews
O'Connell Electric	10	Electrical Contract Crews
Primoris Electric, Inc	46	Electrical Contract Crews
ECI Environmental Consultants	3	Tree Crew Management
Pennline	6	Tree Contract Crews
Treesmiths	36	Tree Contract Crews
Asplundh	35	Tree Contract Crews

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

The initial service interruption occurred at approximately 1900 on December 10, 2023.

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

Crews were assembled on December 10, 2023, at approximately 1600.

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

The final customer was restored at 1852 on December 12, 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 – 1,912 feet
- Arrestors – 8
- Cross arms – 25
- Wood Poles – 6
- Transformers – 12
- Cutouts – 8
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- (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 9, 2023, the forecast for December 10, 2023, called for steady rainfall with strong winds which would intensify on the 11th with frequent gusts of 35-40 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:
