



**VIA E-FILE**

December 21, 2021

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 6-7, 2021  
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 1000 on Monday, December 6, 2021, and 1415 on Tuesday, December 7, 2021. This event caused 403 outage cases and 19,656 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 21, 2021, 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 (610) 774-6545.

Very truly yours,

*/s/ Steve Selkregg*

Steve Selkregg  
Manager – Distribution Planning & Asset Management  
610-774-6545

Enclosures

cc: Mr. Harry Bidelspach  
Mr. John VanZant



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

County	Outage Cases	Trouble Cases
Berks	4	2
Bucks	28	4
Carbon	21	4
Chester	5	1
Clinton	5	4
Columbia	22	
Cumberland	8	1
Dauphin	8	7
Juniata	5	3
Lackawanna	16	10
Lancaster	22	16
Lebanon	1	1
Lehigh	37	6
Luzerne	30	13
Lycoming	7	5
Monroe	38	17
Montgomery	7	2
Montour	1	1
Northampton	13	7
Northumberland	13	5
Perry	5	1
Pike	15	1
Schuylkill	46	11
Snyder	8	0
Susquehanna	5	1
Union	9	0
Wayne	18	4
York	6	1
	<b>403</b>	<b>128</b>

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

County	Number of Customers Interrupted
Berks	226
Bucks	645
Carbon	1,778
Chester	214
Clinton	200
Columbia	1,488
Cumberland	386
Dauphin	460
Juniata	78
Lackawanna	469
Lancaster	1,942
Lebanon	6
Lehigh	1414
Luzerne	1,768
Lycoming	129
Monroe	3,668
Montgomery	516
Montour	4
Northampton	131
Northumberland	1,006
Perry	858
Pike	373
Schuylkill	901
Snyder	37
Susquehanna	136
Union	56
Wayne	589
York	178
<b>Total</b>	<b>19,656</b>

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

One hundred seventy-nine (179) 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
6279686-1	Snyder	7	683	12/6/21 16:52	12/7/21 4:15
6279732-1	Northumberland	2	436	12/6/21 17:44	12/7/21 1:00
6279734-1	Schuylkill	4	1092	12/6/21 17:48	12/7/21 12:00
6279752-1	Schuylkill	20	924	12/6/21 18:16	12/7/21 9:40
6279754-1	Schuylkill	6	1114	12/6/21 18:16	12/7/21 12:50
6279762-1	Luzerne	2	1148	12/6/21 18:17	12/7/21 13:25
6279784-1	Luzerne	5	590	12/6/21 18:24	12/7/21 4:14
6279802-1	Luzerne	1	1264	12/6/21 18:29	12/7/21 15:33
6279803-1	Schuylkill	8	575	12/6/21 18:29	12/7/21 4:04
6279807-1	Snyder	2	1286	12/6/21 18:34	12/7/21 16:00
6279816-1	Carbon	39	1162	12/6/21 18:38	12/7/21 14:00
6279818-1	Lackawanna	5	622	12/6/21 18:38	12/7/21 5:00
6279819-1	Schuylkill	1	519	12/6/21 18:40	12/7/21 3:19
6279823-1	Monroe	114	474	12/6/21 18:40	12/7/21 2:34
6279826-1	Schuylkill	2	584	12/6/21 18:41	12/7/21 4:25
6279834-1	Luzerne	4	1065	12/6/21 18:42	12/7/21 12:27
6279836-1	Monroe	4	1218	12/6/21 18:42	12/7/21 15:00
6279858-1	Lancaster	42	556	12/6/21 18:48	12/7/21 4:04
6279860-1	Union	27	494	12/6/21 18:48	12/7/21 3:02
6279871-1	Wayne	72	455	12/6/21 18:50	12/7/21 2:25
6279874-1	Lackawanna	20	550	12/6/21 18:50	12/7/21 4:00
6279879-1	Wayne	1	501	12/6/21 18:54	12/7/21 3:15
6279883-1	Monroe	6	1485	12/6/21 18:54	12/7/21 19:39
6279891-1	Lackawanna	1	588	12/6/21 18:57	12/7/21 4:45
6279894-1	Carbon	1049	388	12/6/21 18:58	12/7/21 1:26
6279907-1	Lancaster	2	474	12/6/21 18:58	12/7/21 2:52
6279912-1	Pike	22	422	12/6/21 18:58	12/7/21 2:00
6279913-1	Columbia	7	1044	12/6/21 18:59	12/7/21 12:23
6279916-1	Lehigh	51	1058	12/6/21 19:00	12/7/21 12:38
6279921-1	Lehigh	2	406	12/6/21 18:59	12/7/21 1:45
6279928-1	Monroe	9	363	12/6/21 19:00	12/7/21 1:03
6279939-1	Monroe	2	911	12/6/21 19:04	12/7/21 10:15
6279942-1	Monroe	22	457	12/6/21 19:03	12/7/21 2:40
6279945-1	Wayne	7	1136	12/6/21 19:04	12/7/21 14:00
6279946-1	Northumberland	20	967	12/6/21 19:03	12/7/21 11:10
6279948-1	Lehigh	52	600	12/6/21 19:04	12/7/21 5:04
6279956-1	Northampton	3	1424	12/6/21 19:06	12/7/21 18:50
6279957-1	Montgomery	19	1054	12/6/21 19:07	12/7/21 12:41
6279968-1	Monroe	3	369	12/6/21 19:07	12/7/21 1:16
6279969-1	Lehigh	1	1419	12/6/21 19:08	12/7/21 18:47
6279970-1	Lehigh	1	382	12/6/21 19:08	12/7/21 1:30
6279971-1	Chester	34	512	12/6/21 19:08	12/7/21 3:40
6279983-1	Monroe	37	955	12/6/21 19:10	12/7/21 11:05
6279985-1	Lehigh	1	1356	12/6/21 19:12	12/7/21 17:48
6279986-1	Bucks	1	916	12/6/21 19:12	12/7/21 10:28
6279991-1	Montgomery	45	676	12/6/21 19:12	12/7/21 6:28
6279993-1	Northampton	2	1246	12/6/21 19:12	12/7/21 15:58
6279997-1	Luzerne	6	1055	12/6/21 19:14	12/7/21 12:49
6280016-1	Perry	1	573	12/6/21 19:21	12/7/21 4:54
6280017-1	Bucks	12	916	12/6/21 19:22	12/7/21 10:38

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6280019-1	Bucks	9	872	12/6/21 19:21	12/7/21 9:53
6280021-1	Bucks	55	864	12/6/21 19:23	12/7/21 9:47
6280022-1	Lehigh	7	562	12/6/21 19:23	12/7/21 4:45
6280023-1	Northampton	12	397	12/6/21 19:23	12/7/21 2:00
6280028-1	Northampton	1	1049	12/6/21 19:24	12/7/21 12:53
6280029-1	Bucks	40	887	12/6/21 19:23	12/7/21 10:10
6280031-1	Dauphin	2	420	12/6/21 19:23	12/7/21 2:23
6280032-1	Bucks	6	995	12/6/21 19:24	12/7/21 11:59
6280038-1	Schuylkill	4	1263	12/6/21 19:24	12/7/21 16:27
6280054-1	Northumberland	8	969	12/6/21 19:27	12/7/21 11:36
6280062-1	Bucks	1	782	12/6/21 19:28	12/7/21 8:30
6280066-1	Bucks	14	947	12/6/21 19:28	12/7/21 11:15
6280073-1	Union	2	412	12/6/21 19:29	12/7/21 2:21
6280074-1	Bucks	1	958	12/6/21 19:30	12/7/21 11:28
6280077-1	Schuylkill	23	1011	12/6/21 19:29	12/7/21 12:20
6280097-1	Bucks	75	997	12/6/21 19:34	12/7/21 12:11
6280107-1	Lehigh	16	1228	12/6/21 19:02	12/7/21 15:30
6280110-1	Monroe	14	456	12/6/21 19:39	12/7/21 3:15
6280112-1	Northampton	17	950	12/6/21 19:40	12/7/21 11:30
6280114-1	Monroe	9	836	12/6/21 19:39	12/7/21 9:35
6280120-1	Columbia	2	527	12/6/21 19:42	12/7/21 4:29
6280136-1	Carbon	2	1001	12/6/21 19:47	12/7/21 12:28
6280138-1	Montour	1	941	12/6/21 19:47	12/7/21 11:28
6280144-1	Northampton	1	959	12/6/21 19:51	12/7/21 11:50
6280146-1	Clinton	1	452	12/6/21 19:53	12/7/21 3:25
6280155-1	York	2	603	12/6/21 19:57	12/7/21 6:00
6280178-1	Bucks	2	918	12/6/21 20:03	12/7/21 11:21
6280179-1	Bucks	1	1412	12/6/21 20:03	12/7/21 19:35
6280180-1	Luzerne	14	1206	12/6/21 20:03	12/7/21 16:09
6280198-1	Northumberland	2	1010	12/6/21 20:10	12/7/21 13:00
6280202-1	Juniata	1	844	12/6/21 20:14	12/7/21 10:18
6280204-1	Lehigh	9	1039	12/6/21 20:16	12/7/21 13:35
6280205-1	Schuylkill	43	484	12/6/21 20:16	12/7/21 4:20
6280206-1	Lycoming	14	467	12/6/21 20:15	12/7/21 4:02
6280210-1	Lehigh	5	394	12/6/21 20:17	12/7/21 2:51
6280213-1	Clinton	42	378	12/6/21 20:17	12/7/21 2:35
6280216-1	Schuylkill	19	1068	12/6/21 18:27	12/7/21 12:15
6280221-1	Columbia	1	983	12/6/21 20:20	12/7/21 12:43
6280237-1	Lancaster	7	464	12/6/21 20:24	12/7/21 4:08
6280239-1	Schuylkill	6	850	12/6/21 20:25	12/7/21 10:35
6280245-1	Schuylkill	28	1308	12/6/21 20:27	12/7/21 18:15
6280248-1	Schuylkill	1	1342	12/6/21 20:28	12/7/21 18:50
6280249-1	York	1	400	12/6/21 20:28	12/7/21 3:08
6280253-1	Lancaster	12	504	12/6/21 20:31	12/7/21 4:55
6280272-1	Schuylkill	12	450	12/6/21 20:35	12/7/21 4:05
6280274-1	Monroe	6	364	12/6/21 20:36	12/7/21 2:40
6280278-1	Carbon	99	975	12/6/21 20:36	12/7/21 12:51
6280282-1	Bucks	3	833	12/6/21 20:36	12/7/21 10:29
6280285-1	Schuylkill	1	1236	12/6/21 20:36	12/7/21 17:12
6280291-1	Schuylkill	1	1093	12/6/21 20:39	12/7/21 14:52

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6280301-1	Columbia	10	365	12/6/21 20:41	12/7/21 2:46
6280314-1	York	2	1032	12/6/21 20:43	12/7/21 13:55
6280315-1	Schuylkill	14	1213	12/6/21 20:43	12/7/21 16:56
6280316-1	Schuylkill	4	1087	12/6/21 20:43	12/7/21 14:50
6280317-1	Northampton	8	1372	12/6/21 20:43	12/7/21 19:35
6280318-1	Luzerne	2	820	12/6/21 20:45	12/7/21 10:25
6280320-1	Lehigh	3	551	12/6/21 20:44	12/7/21 5:55
6280322-1	Schuylkill	69	1225	12/6/21 20:45	12/7/21 17:10
6280328-1	Schuylkill	1	1536	12/6/21 20:48	12/7/21 22:24
6280329-1	Columbia	22	495	12/6/21 20:50	12/7/21 5:05
6280347-1	Schuylkill	3	1254	12/6/21 20:51	12/7/21 17:45
6280349-1	Bucks	4	874	12/6/21 20:51	12/7/21 11:25
6280352-1	Schuylkill	1	1015	12/6/21 20:52	12/7/21 13:47
6280355-1	Schuylkill	8	1264	12/6/21 20:55	12/7/21 17:59
6280363-1	Pike	68	663	12/6/21 20:56	12/7/21 7:59
6280371-1	Lycoming	1	464	12/6/21 20:59	12/7/21 4:43
6280379-1	Schuylkill	9	1169	12/6/21 21:01	12/7/21 16:30
6280387-1	Schuylkill	5	787	12/6/21 21:03	12/7/21 10:10
6280394-1	Montgomery	1	943	12/6/21 21:07	12/7/21 12:50
6280397-1	Wayne	25	373	12/6/21 21:09	12/7/21 3:22
6280399-1	Schuylkill	117	976	12/6/21 21:09	12/7/21 13:25
6280414-1	Luzerne	6	407	12/6/21 21:15	12/7/21 4:02
6280415-1	Lehigh	1	645	12/6/21 21:15	12/7/21 8:00
6280424-1	Lackawanna	1	480	12/6/21 21:20	12/7/21 5:20
6280432-1	Luzerne	2	880	12/6/21 21:22	12/7/21 12:02
6280438-1	Pike	1	1054	12/6/21 21:26	12/7/21 15:00
6280440-1	Susquehanna	5	872	12/6/21 21:26	12/7/21 11:58
6280444-1	Lehigh	90	1097	12/6/21 21:27	12/7/21 15:44
6280460-1	Columbia	1	1136	12/6/21 21:34	12/7/21 16:30
6280464-1	Northampton	45	469	12/6/21 21:36	12/7/21 5:25
6280474-1	Schuylkill	4	1056	12/6/21 21:39	12/7/21 15:15
6280478-1	Luzerne	5	1100	12/6/21 21:40	12/7/21 16:00
6280479-1	Susquehanna	37	1090	12/6/21 21:41	12/7/21 15:51
6280485-1	Lehigh	1	1279	12/6/21 21:41	12/7/21 19:00
6280489-1	Wayne	22	858	12/6/21 21:46	12/7/21 12:04
6280499-1	Lehigh	1	1037	12/6/21 21:49	12/7/21 15:06
6280500-1	Monroe	9	820	12/6/21 21:50	12/7/21 11:30
6280503-1	Bucks	8	1077	12/6/21 21:53	12/7/21 15:50
6280505-1	Luzerne	13	733	12/6/21 21:55	12/7/21 10:08
6280510-1	Wayne	16	814	12/6/21 21:56	12/7/21 11:30
6280513-1	Lehigh	23	852	12/6/21 21:58	12/7/21 12:10
6280514-1	Pike	1	1082	12/6/21 22:04	12/7/21 16:06
6280515-1	Bucks	12	914	12/6/21 22:04	12/7/21 13:18
6280520-1	Northampton	1	1201	12/6/21 22:06	12/7/21 18:07
6280521-1	Bucks	39	704	12/6/21 22:06	12/7/21 9:50
6280522-1	Bucks	1	1035	12/6/21 22:06	12/7/21 15:21
6280550-1	Lehigh	148	389	12/6/21 22:16	12/7/21 4:45
6280555-1	Perry	1	362	12/6/21 22:17	12/7/21 4:19
6280559-1	Monroe	2	780	12/6/21 22:19	12/7/21 11:19
6280573-1	Bucks	32	1124	12/6/21 22:23	12/7/21 17:07

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6280583-1	Monroe	5	647	12/6/21 22:28	12/7/21 9:15
6280591-1	Columbia	7	602	12/6/21 17:43	12/7/21 3:45
6280630-1	Bucks	36	934	12/6/21 23:22	12/7/21 14:56
6280642-1	Lancaster	5	416	12/6/21 19:26	12/7/21 2:22
6280674-1	Lackawanna	22	526	12/7/21 1:57	12/7/21 10:43
6280686-1	Schuylkill	1	812	12/7/21 2:28	12/7/21 16:00
6280687-1	Schuylkill	3	1010	12/6/21 18:24	12/7/21 11:14
6280691-1	Wayne	12	561	12/6/21 18:57	12/7/21 4:18
6280717-1	Monroe	1	610	12/7/21 4:20	12/7/21 14:30
6280730-1	Dauphin	423	384	12/7/21 4:34	12/7/21 10:58
6280734-1	Carbon	6	422	12/7/21 4:48	12/7/21 11:50
6280761-1	Bucks	1	431	12/7/21 6:02	12/7/21 13:13
6280766-1	Bucks	2	1100	12/6/21 20:05	12/7/21 14:25
6280776-1	Lehigh	1	571	12/7/21 6:54	12/7/21 16:25
6280778-1	Luzerne	2	366	12/7/21 6:54	12/7/21 13:00
6280828-1	Pike	4	448	12/7/21 7:37	12/7/21 15:05
6280832-1	Montgomery	3	456	12/7/21 7:44	12/7/21 15:20
6280841-1	Schuylkill	1	549	12/7/21 7:51	12/7/21 17:00
6280857-1	Union	1	446	12/7/21 8:00	12/7/21 15:26
6280863-1	Lehigh	1	716	12/7/21 8:04	12/7/21 20:00
6280889-1	Lehigh	1	499	12/7/21 8:21	12/7/21 16:40
6280903-1	Schuylkill	47	699	12/7/21 8:33	12/7/21 20:12
6280965-1	Northampton	1	809	12/6/21 21:03	12/7/21 10:32
6280972-1	Lehigh	1	535	12/7/21 9:20	12/7/21 18:15
6281180-1	Schuylkill	2	422	12/7/21 12:28	12/7/21 19:30
6281537-1	Lehigh	234	1193	12/6/21 19:01	12/7/21 14:54
6285189-1	Bucks	2	1072	12/6/21 22:03	12/7/21 15:55
6285416-1	Lancaster	4	398	12/6/21 22:07	12/7/21 4:45
6285758-1	Bucks	1	1204	12/6/21 19:20	12/7/21 15:24

(f) Reason for the interruption or outages:

The interruptions were caused by a rain and wind event that brought approximately 15 hours of 25 to 40 MPH gusts to most of the regions of PPL Electric's territory.

(g) Projected time of restoration:

Restoration was projected to be completed by 2300 on December 7, 2021.

- (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	165	Line Personnel
PPL Electric Utilities	102	Office Personnel
PPL Electric Utilities	42	Foremen
PPL Electric Utilities	108	Electricians
PPL Electric Utilities	24	Troublemens
PPL Electric Utilities	4	Mechanical
PPL Electric Utilities	4	Equipment Operators
PPL Electric Utilities	38	Assessors
Everhart & Hoover	10	Electrical Contract Crews
Harlan	26	Electrical Contract Crews
Haugland	25	Electrical Contract Crews
Henkels & McCoy	79	Electrical Contract Crews
IB Abel	43	Electrical Contract Crews
Tri-M	5	Electrical Contract Crews
Valiant	5	Electrical Contract Crews
Matrix NAC	6	Electrical Contract Crews
O'Connell Electric	11	Electrical Contract Crews
Asplundh	99	Vegetation Contract Crew
Penn Line	131	Vegetation Contract Crew
Treesmiths	46	Vegetation Contract Crew

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

The initial service interruption occurred at approximately 1000 on December 6, 2021.

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

Crews were on duty at the outset of the event during the morning of December 6, 2021. Crews were held over at the end of shift, and callouts began at 1930 on December 6, coinciding with the strongest period of wind.

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

The final customer was restored at 2224 on December 7, 2021.

- (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 conductors, downed wires, and broken equipment.

Materials used to complete restoration included:

- Conductor – 2,680 feet
- Pole(s) – 5
- Crossarms – 6
- Arrestors – 11
- Cutouts – 18
- Transformers – 11

- (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 5, the forecast for December 6-7 called for 10 hours of wind gusts of approximately 25 MPH. Additionally, moderate rain was expected to accompany the wind. 215 cases were projected.

The actual weather was somewhat more impactful than the forecast, with up to 15 hours of winds and gusts to 40 MPH, affecting all of PPL Electric's territories.

- (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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