



VIA E-FILE

July 27, 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 Thunder & Lightning Event on July 11 – July 13, 2021**

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 1930 on Sunday, July 11, 2021, and 1030 on Tuesday, July 13, 2021. This event caused 257 outage cases and 17,598 customer service interruptions and affected the Central, Susquehanna, Harrisburg, and Lancaster 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 July 27, 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 (484) 861-8424.

Very truly yours,

/s/ Colleen Lauver

Colleen Lauver
Supervisor – Distribution Asset Investment Strategy
610-774-4411

Enclosures

cc: Mr. John VanZant

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:

Colleen Lauver – Supervisor Distribution Asset Investment Strategy
(Name) (Title)

3. Telephone number: 610-774-4411
(Telephone Number)

4. Date and time initial telephonic report was made to Commission:

Wednesday, July 14th, at approximately 1600.

5. Interruption or Outage:

(a) Number of customers affected: 17,598

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

County	Outage Cases	Trouble Cases
Berks	13	2
Carbon	2	2
Chester	3	
Clinton	16	6
Columbia	17	7
Cumberland	23	9
Dauphin	30	25
Juniata	1	3
Lancaster	52	18
Lebanon	3	
Luzerne	12	7
Lycoming	11	1
Monroe	1	1
Montour	3	
Northumberland	12	2
Perry	29	9
Schuylkill	13	8
Snyder	9	5
Union	3	3
York	4	1
Total	257	109

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

County	Number of Customers Interrupted
Berks	249
Carbon	51
Chester	57
Clinton	2,221
Columbia	1,168
Cumberland	3,757
Dauphin	1,413
Juniata	22
Lancaster	1,544
Lebanon	8
Luzerne	1,308
Lycoming	277
Monroe	106
Montour	96
Northumberland	201
Perry	2,050
Schuylkill	2,430
Snyder	304
Union	226
York	110
Total	17,598

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

Seventy-eight (78) 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
6181350-1	Lancaster	2	1278	7/9/21 17:24	7/10/21 14:42
6182152-1	Clinton	17	1004	7/11/21 19:34	7/12/21 12:18
6182170-1	Clinton	851	546	7/11/21 19:55	7/12/21 5:01
6182184-1	Snyder	32	380	7/11/21 19:57	7/12/21 2:17
6182185-1	Clinton	6	391	7/11/21 19:59	7/12/21 2:30
6182194-1	Lycoming	4	1119	7/11/21 20:06	7/12/21 14:45
6182197-1	Snyder	26	1112	7/11/21 20:08	7/12/21 14:40
6182203-1	Snyder	20	533	7/11/21 20:15	7/12/21 5:08
6182212-1	Perry	87	376	7/11/21 20:31	7/12/21 2:47
6182218-1	Northumberland	19	976	7/11/21 20:34	7/12/21 12:50
6182223-1	Perry	24	410	7/11/21 20:42	7/12/21 3:32
6182224-1	Union	2	497	7/11/21 20:43	7/12/21 5:00
6182230-1	Perry	84	496	7/11/21 20:47	7/12/21 5:03
6182233-1	Snyder	1	1091	7/11/21 20:49	7/12/21 15:00
6182244-1	Montour	20	489	7/11/21 20:51	7/12/21 5:00
6182246-1	Perry	5	539	7/11/21 20:52	7/12/21 5:51
6182249-1	Snyder	1	455	7/11/21 20:55	7/12/21 4:30
6182250-1	Montour	58	415	7/11/21 20:54	7/12/21 3:49
6182253-1	Columbia	3	972	7/11/21 20:58	7/12/21 13:10
6182254-1	Perry	1	486	7/11/21 21:00	7/12/21 5:06
6182279-1	Perry	1	464	7/11/21 21:11	7/12/21 4:55
6182284-1	Perry	6	440	7/11/21 21:10	7/12/21 4:30
6182285-1	Perry	1	499	7/11/21 21:16	7/12/21 5:35
6182287-1	Columbia	439	555	7/11/21 21:19	7/12/21 6:34
6182295-1	Perry	16	605	7/11/21 21:20	7/12/21 7:25
6182298-1	Union	24	1905	7/11/21 21:25	7/13/21 5:10
6182315-1	Columbia	2	688	7/11/21 21:42	7/12/21 9:10
6182321-1	Columbia	10	1257	7/11/21 21:44	7/12/21 18:41
6182327-1	Dauphin	3	491	7/11/21 21:47	7/12/21 5:58
6182330-1	Schuylkill	5	386	7/11/21 21:46	7/12/21 4:12
6182374-1	Columbia	7	385	7/11/21 22:35	7/12/21 5:00
6182377-1	Northumberland	1	395	7/11/21 22:38	7/12/21 5:13
6182400-1	Perry	5	402	7/11/21 23:05	7/12/21 5:47
6182401-1	Schuylkill	1	375	7/11/21 23:05	7/12/21 5:20
6182402-1	Carbon	22	1213	7/11/21 23:07	7/12/21 19:20
6182461-1	Luzerne	20	385	7/12/21 0:14	7/12/21 6:39
6182488-1	Columbia	1	513	7/12/21 1:49	7/12/21 10:22
6182515-1	Lycoming	23	611	7/12/21 2:27	7/12/21 12:38
6182526-1	Northumberland	7	641	7/12/21 3:19	7/12/21 14:00
6182527-1	Snyder	5	937	7/12/21 3:30	7/12/21 19:07
6182552-1	Northumberland	14	462	7/12/21 4:18	7/12/21 12:00
6182560-1	Cumberland	4	577	7/12/21 5:05	7/12/21 14:42
6182567-1	Northumberland	10	457	7/12/21 5:23	7/12/21 13:00
6182570-1	Snyder	45	917	7/12/21 5:27	7/12/21 20:44
6182571-1	Columbia	204	538	7/12/21 5:27	7/12/21 14:25
6182577-1	Northumberland	1	569	7/12/21 5:36	7/12/21 15:05
6182580-1	Lycoming	2	701	7/12/21 5:39	7/12/21 17:20
6182582-1	Schuylkill	11	589	7/12/21 5:51	7/12/21 15:40
6182590-1	Columbia	1	429	7/12/21 6:09	7/12/21 13:18
6182604-1	Lycoming	7	680	7/12/21 6:48	7/12/21 18:08

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6182638-1	Luzerne	22	950	7/11/21 21:42	7/12/21 13:32
6182681-1	Luzerne	84	655	7/12/21 8:20	7/12/21 19:15
6182789-1	Clinton	4	426	7/12/21 9:44	7/12/21 16:50
6182916-1	Dauphin	1	386	7/12/21 12:14	7/12/21 18:40
6183048-1	Perry	51	388	7/12/21 14:52	7/12/21 21:20
6183148-1	Cumberland	4	646	7/12/21 15:56	7/13/21 2:42
6183294-1	Lancaster	30	372	7/12/21 17:53	7/13/21 0:05
6183371-1	Columbia	37	458	7/12/21 18:53	7/13/21 2:31
6183415-1	Dauphin	50	1376	7/12/21 19:47	7/13/21 18:43
6183427-1	Dauphin	25	458	7/12/21 20:06	7/13/21 3:44
6183454-1	Cumberland	1	375	7/12/21 20:37	7/13/21 2:52
6183464-1	Cumberland	36	371	7/12/21 20:49	7/13/21 3:00
6183479-1	Dauphin	2	374	7/12/21 21:39	7/13/21 3:53
6183536-1	Lancaster	3	829	7/13/21 0:39	7/13/21 14:28
6183540-1	Lancaster	1	612	7/13/21 0:37	7/13/21 10:49
6183579-1	Lancaster	8	504	7/13/21 1:05	7/13/21 9:29
6183583-1	Lebanon	2	1032	7/13/21 1:08	7/13/21 18:20
6183585-1	Berks	12	422	7/13/21 1:13	7/13/21 8:15
6183587-1	Berks	13	524	7/13/21 1:16	7/13/21 10:00
6183589-1	Berks	3	585	7/13/21 1:16	7/13/21 11:01
6183590-1	Lancaster	1	508	7/13/21 1:17	7/13/21 9:45
6183591-1	Berks	10	498	7/13/21 1:22	7/13/21 9:40
6183597-1	Berks	13	880	7/13/21 1:52	7/13/21 16:32
6183623-1	Lancaster	13	896	7/13/21 3:14	7/13/21 18:10
6188609-1	Northumberland	53	886	7/11/21 23:29	7/12/21 14:15
6189605-1	Perry	197	555	7/11/21 23:57	7/12/21 9:14
6189783-1	Perry	4	958	7/11/21 22:57	7/12/21 14:55
6189863-1	Perry	35	732	7/12/21 15:43	7/13/21 3:55

(f) Reason for the interruption or outages:

The interruptions were caused by a series of storms with sustained wind speeds in the 25-40 MPH range, isolated wind gusts in the 50-60 MPH range, and periods of heavy downpour mainly affecting the Central, Susquehanna, Harrisburg, and Lancaster regions of PPL Electric's territory.

(g) Projected time of restoration:

Restoration was projected to be completed by 1900 on July 13, 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	170*	Line Personnel
PPL Electric Utilities	23	Office Personnel
Harlan	33	Electrical Contract Crew
Haugland	19	Electrical Contract Crew
Henkels & McCoy	54	Electrical Contract Crew
AB Able	34	Electrical Contract Crew
O'Connell Electric	3	Electrical Contract Crew
Tri-M	4	Electrical Contract Crew
Treesmiths	25	Vegetation Contract Crew
PennLine	30	Vegetation Contract Crew
Asplundh	106	Vegetation Contract Crew
*Approximated number of workers		

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

The initial service interruption occurred at approximately 1930 on July 11, 2021.

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

Crews were first assembled at 1700 on July 11, and worked in overlapping shifts until the final customer was restored.

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

The final customer was restored at 1843 on July 13, 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 – 1,712 feet
- Pole(s) – 4
- Cross arms – 23
- Arrestors – 6
- Cutouts – 6
- Transformers – 10

- (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 July 10, the forecast for July 11 called for scattered showers in the morning and embedded garden-variety thunderstorms in the early afternoon. As of July 11, the forecast for July 12 called for a series of storms with common wind gusts in the 25-35 MPH range, isolated severe wind gusting in the 50-60 MPH range, frequent lightning, and torrential downpours.

The actual weather for July 11-12 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:
