



VIA E-FILE

May 13, 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 Rain and Wind Event on April 28, 2021**

Dear Ms. Chiavetta:

PPL Electric Utilities Corporation (“PPL Electric”) hereby submits this Report of Electric Service Interruptions due to a rain and wind event between 1900 on Wednesday, April 28, 2021, and 1300 on Thursday, April 29, 2021. This event caused 86 outage cases and 11,508 customer service interruptions and affected the Northeast and Lehigh 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 May 13, 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/ Ryan Yanek

Ryan Yanek
Manager – Distribution Planning & Asset Management
610-774-2092

Enclosures

cc: Mr. John VanZant

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

| County | Outage Cases | Trouble Cases |
|------------|--------------|---------------|
| Lackawanna | 50 | 26 |
| Lehigh | 2 | 1 |
| Monroe | 1 | 1 |
| Montgomery | 2 | |
| Pike | 4 | 1 |
| Wayne | 10 | 1 |
| Wyoming | 17 | 9 |
| Total | 86 | 39 |

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

| County | Number of Customers Interrupted |
|------------|---------------------------------|
| Lackawanna | 9,213 |
| Lehigh | 7 |
| Monroe | 203 |
| Montgomery | 15 |
| Pike | 32 |
| Wayne | 534 |
| Wyoming | 1,504 |
| Total | 11,508 |

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

Forty-three (43) 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 |
|------------|------------|-----------------------------------|----------|---------------------|----------------------|
| 6140119-1 | Wyoming | 22 | 523 | 4/28/21 19:02 | 4/29/21 3:45 |
| 6140120-1 | Wyoming | 2 | 442 | 4/28/21 19:02 | 4/29/21 2:24 |
| 6140132-1 | Lackawanna | 2 | 414 | 4/28/21 19:06 | 4/29/21 2:00 |
| 6140137-1 | Lackawanna | 46 | 588 | 4/28/21 19:07 | 4/29/21 4:55 |
| 6140142-1 | Lackawanna | 45 | 1306 | 4/28/21 19:08 | 4/29/21 16:54 |
| 6140144-1 | Lackawanna | 222 | 660 | 4/28/21 19:09 | 4/29/21 6:10 |
| 6140148-1 | Lackawanna | 1328 | 1425 | 4/28/21 19:10 | 4/29/21 18:55 |
| 6140151-1 | Lackawanna | 128 | 975 | 4/28/21 19:10 | 4/29/21 11:25 |
| 6140170-1 | Lackawanna | 4 | 1099 | 4/28/21 19:12 | 4/29/21 13:31 |
| 6140216-1 | Lackawanna | 5 | 486 | 4/28/21 19:24 | 4/29/21 3:30 |
| 6140267-1 | Wayne | 23 | 431 | 4/28/21 19:31 | 4/29/21 2:42 |
| 6140268-1 | Wyoming | 37 | 1006 | 4/28/21 19:04 | 4/29/21 11:50 |
| 6140269-1 | Wayne | 4 | 423 | 4/28/21 19:32 | 4/29/21 2:35 |
| 6140270-1 | Wayne | 38 | 450 | 4/28/21 19:33 | 4/29/21 3:03 |
| 6140295-1 | Wayne | 4 | 1103 | 4/28/21 19:37 | 4/29/21 14:00 |
| 6140297-1 | Wayne | 36 | 1055 | 4/28/21 19:37 | 4/29/21 13:12 |
| 6140317-1 | Pike | 18 | 364 | 4/28/21 19:43 | 4/29/21 1:47 |
| 6140330-1 | Lackawanna | 16 | 996 | 4/28/21 19:54 | 4/29/21 12:30 |
| 6140334-1 | Pike | 5 | 929 | 4/28/21 20:01 | 4/29/21 11:30 |
| 6140339-1 | Lackawanna | 1 | 1128 | 4/28/21 20:05 | 4/29/21 14:53 |
| 6140404-1 | Wyoming | 19 | 456 | 4/28/21 19:02 | 4/29/21 2:38 |
| 6140405-1 | Wyoming | 32 | 371 | 4/28/21 19:02 | 4/29/21 1:13 |
| 6140406-1 | Wyoming | 10 | 408 | 4/28/21 21:24 | 4/29/21 4:12 |
| 6140472-1 | Lackawanna | 12 | 796 | 4/29/21 0:25 | 4/29/21 13:41 |
| 6140475-1 | Lackawanna | 77 | 674 | 4/29/21 0:34 | 4/29/21 11:48 |
| 6140492-1 | Lackawanna | 1 | 558 | 4/29/21 0:32 | 4/29/21 9:50 |
| 6140494-1 | Lackawanna | 2 | 848 | 4/29/21 0:36 | 4/29/21 14:45 |
| 6140496-1 | Lackawanna | 2 | 622 | 4/29/21 0:43 | 4/29/21 11:05 |
| 6140513-1 | Wyoming | 9 | 852 | 4/29/21 1:23 | 4/29/21 15:35 |
| 6140523-1 | Lackawanna | 14 | 645 | 4/29/21 3:17 | 4/29/21 14:02 |
| 6140524-1 | Lackawanna | 4 | 793 | 4/29/21 3:34 | 4/29/21 16:47 |
| 6140543-1 | Lackawanna | 9 | 517 | 4/29/21 5:13 | 4/29/21 13:50 |
| 6140544-1 | Lackawanna | 68 | 545 | 4/29/21 5:15 | 4/29/21 14:20 |
| 6140545-1 | Lackawanna | 11 | 690 | 4/29/21 5:17 | 4/29/21 16:47 |
| 6140554-1 | Lackawanna | 12 | 404 | 4/29/21 4:47 | 4/29/21 11:31 |
| 6140555-1 | Lackawanna | 4 | 410 | 4/29/21 6:05 | 4/29/21 12:55 |
| 6140573-1 | Lackawanna | 7 | 476 | 4/29/21 6:33 | 4/29/21 14:29 |
| 6140608-1 | Lackawanna | 14 | 523 | 4/29/21 8:04 | 4/29/21 16:47 |
| 6140652-1 | Wyoming | 11 | 531 | 4/29/21 9:09 | 4/29/21 18:00 |
| 6140699-1 | Lackawanna | 2 | 401 | 4/29/21 10:11 | 4/29/21 16:52 |
| 6148515-1 | Lackawanna | 90 | 545 | 4/28/21 19:34 | 4/29/21 4:39 |
| 6148518-1 | Wayne | 330 | 487 | 4/28/21 19:40 | 4/29/21 3:47 |
| 6148530-1 | Wyoming | 599 | 1065 | 4/28/21 19:07 | 4/29/21 12:52 |

- (f) Reason for the interruption or outages:

The interruptions were caused by a localized wind microburst that occurred during a period of otherwise generally mild wind and rain. The microburst brought brief but intense gusts up to 44 MPH to the Northeast region of PPL Electric's territory.

- (g) Projected time of restoration:

Restoration was projected to be completed by 1900 on April 29, 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:

| Utility / Company | # of Workers | General Function |
|------------------------|--------------|------------------------------------|
| PPL Electric Utilities | 200 | Distribution Line Personnel (Est.) |
| PPL Electric Utilities | 28 | Office Personnel |
| Harlan | 29 | Electrical Contractors |
| Haugland | 6 | Electrical Contractors |
| Valiant | 7 | Electrical Contractors |
| Henkles & McCoy | 43 | Electrical Contractors |
| IB Abel | 8 | Electrical Contractors |
| Treesmiths | 40 | Vegetation Contractors |

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

The initial service interruption occurred at approximately 1900 on April 28, 2021.

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

Crews were first assembled at 1900 on April 28, 2021.

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

The final customer was restored at 1855 on April 29, 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 – 23,416 feet
- Pole(s) – 6
- Cross arms – 54
- Arrestors – 62
- Cutouts – 137
- Transformers – 98

- (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 April 27, the forecast for April 28 called for stray showers and a possible garden variety thunderstorm without significant outage producing conditions.

The actual weather consisted of conditions generally as forecast, but with a wind microburst around 1900 on the 28th that produced brief but intense wind gusts up to 44 MPH.

- (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:
