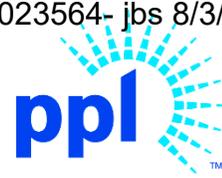**PPL Electric Utilities Corporation**
General Office
2 North Ninth St
Allentown, PA 18101

<u>**VIA E-FILE**</u>

August 2, 2021

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17120

<div align="center">

Re: PPL Electric Utilities Corporation
Report of Electric Service Interruptions
<u>**Due to a Thunder and Lightning Event on July 17-18, 2021**</u>

</div>

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 1330 on Saturday, July 17, 2021, and 1800 on Sunday, July 18, 2021. This event caused 369 outage cases and 23,347 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 August 2, 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
484-861-8424

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: 484-861-8424
                                      (Telephone Number)

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

      July 18, 2021, at approximately 0938

5.   Interruption or Outage:

      (a)   Number of customers affected: 23,347

(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	2
Carbon	9	6
Chester	1	1
Clinton	5	2
Columbia	75	5
Cumberland	14	8
Dauphin	15	13
Juniata	5	2
Lackawanna	26	17
Lancaster	44	16
Lebanon	1	
Lehigh	12	4
Luzerne	17	8
Lycoming	18	9
Monroe	17	7
Montgomery		1
Montour	11	2
Northampton	9	7
Northumberland	36	21
Perry	15	4
Pike	3	2
Schuylkill	3	3
Snyder	7	1
Susquehanna	3	2
Union	3	3
Wayne	15	8
Total	**369**	**155**

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

County	Number of Customers Interrupted
Bucks	49
Carbon	1,133
Chester	2
Clinton	73
Columbia	4,087
Cumberland	154
Dauphin	217
Juniata	406
Lackawanna	5,307
Lancaster	4,454
Lebanon	2
Lehigh	214
Luzerne	479
Lycoming	442
Monroe	539
Montour	769
Northampton	95
Northumberland	1,234
Perry	880
Pike	193
Schuylkill	21
Snyder	232
Susquehanna	114
Union	34
Wayne	2,217
Total	23,347

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

One hundred ninety-four (194) 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
6186393-1	Columbia	4	1701	7/17/21 10:59	7/18/21 15:20
6186446-1	Wayne	5	475	7/17/21 13:45	7/17/21 21:40
6186464-1	Lancaster	1	632	7/17/21 14:15	7/18/21 0:47
6186562-1	Northampton	33	544	7/17/21 15:26	7/18/21 0:30
6186568-1	Lancaster	2	487	7/17/21 15:28	7/17/21 23:35
6186575-1	Lancaster	2	586	7/17/21 15:30	7/18/21 1:16
6186579-1	Lackawanna	2	1578	7/17/21 15:31	7/18/21 17:49
6186584-1	Luzerne	9	821	7/17/21 15:39	7/18/21 5:20
6186591-1	Lancaster	9	658	7/17/21 15:42	7/18/21 2:40
6186612-1	Monroe	122	451	7/17/21 15:54	7/17/21 23:25
6186621-1	Lackawanna	3	1447	7/17/21 16:03	7/18/21 16:10
6186622-1	Monroe	15	593	7/17/21 16:03	7/18/21 1:56
6186625-1	Monroe	3	552	7/17/21 16:04	7/18/21 1:16
6186630-1	Lancaster	2	530	7/17/21 16:08	7/18/21 0:58
6186639-1	Carbon	191	1514	7/17/21 16:18	7/18/21 17:32
6186652-1	Carbon	26	660	7/17/21 16:21	7/18/21 3:21
6186665-1	Dauphin	1	551	7/17/21 16:27	7/18/21 1:38
6186695-1	Cumberland	19	467	7/17/21 16:47	7/18/21 0:34
6186700-1	Carbon	2	543	7/17/21 16:50	7/18/21 1:53
6186712-1	Columbia	13	1229	7/17/21 16:52	7/18/21 13:21
6186716-1	Wayne	3	1210	7/17/21 16:55	7/18/21 13:05
6186724-1	Luzerne	4	630	7/17/21 17:01	7/18/21 3:31
6186725-1	Pike	52	954	7/17/21 17:01	7/18/21 8:55
6186735-1	Wayne	53	651	7/17/21 17:09	7/18/21 4:00
6186737-1	Monroe	2	1127	7/17/21 17:11	7/18/21 11:58
6186741-1	Wayne	19	1000	7/17/21 17:10	7/18/21 9:50
6186764-1	Susquehanna	41	1163	7/17/21 17:17	7/18/21 12:40
6186768-1	Luzerne	88	370	7/17/21 17:20	7/17/21 23:30
6186776-1	Monroe	1	1044	7/17/21 17:22	7/18/21 10:46
6186789-1	Northumberland	147	1133	7/17/21 17:33	7/18/21 12:26
6186797-1	Northumberland	3	1248	7/17/21 17:33	7/18/21 14:21
6186805-1	Northumberland	12	481	7/17/21 17:36	7/18/21 1:37
6186806-1	Union	1	923	7/17/21 17:37	7/18/21 9:00
6186807-1	Northumberland	2	545	7/17/21 17:36	7/18/21 2:41
6186809-1	Perry	18	930	7/17/21 17:38	7/18/21 9:08
6186810-1	Northumberland	9	1527	7/17/21 17:38	7/18/21 19:05
6186814-1	Northumberland	5	1572	7/17/21 17:38	7/18/21 19:50
6186818-1	Northumberland	10	1236	7/17/21 17:39	7/18/21 14:15
6186828-1	Northumberland	5	1533	7/17/21 17:42	7/18/21 19:15
6186838-1	Montour	55	1035	7/17/21 17:45	7/18/21 11:00
6186839-1	Lackawanna	12	450	7/17/21 17:45	7/18/21 1:15
6186847-1	Montour	532	1088	7/17/21 17:47	7/18/21 11:55
6186859-1	Lackawanna	14	1063	7/17/21 17:47	7/18/21 11:30
6186861-1	Northumberland	5	1627	7/17/21 17:47	7/18/21 20:54
6186864-1	Montour	40	1402	7/17/21 17:48	7/18/21 17:10
6186868-1	Lycoming	1	1632	7/17/21 17:48	7/18/21 21:00
6186874-1	Montour	9	1310	7/17/21 17:50	7/18/21 15:40
6186878-1	Lackawanna	225	1442	7/17/21 17:51	7/18/21 17:54
6186885-1	Lackawanna	4	1184	7/17/21 17:51	7/18/21 13:35
6186888-1	Montour	58	1613	7/17/21 17:52	7/18/21 20:45

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6186900-1	Columbia	428	728	7/17/21 17:59	7/18/21 6:07
6186905-1	Columbia	13	1149	7/17/21 17:56	7/18/21 13:05
6186915-1	Columbia	1	408	7/17/21 17:59	7/18/21 0:48
6186934-1	Columbia	78	1314	7/17/21 18:04	7/18/21 15:58
6186941-1	Lycoming	23	1226	7/17/21 18:05	7/18/21 14:31
6186942-1	Lackawanna	7	1262	7/17/21 17:49	7/18/21 14:51
6186944-1	Columbia	2	1915	7/17/21 18:06	7/19/21 2:01
6186962-1	Columbia	68	426	7/17/21 18:09	7/18/21 1:15
6186964-1	Columbia	3	1510	7/17/21 18:09	7/18/21 19:19
6186965-1	Columbia	52	1486	7/17/21 18:09	7/18/21 18:55
6186966-1	Columbia	12	1729	7/17/21 18:11	7/18/21 23:00
6186973-1	Columbia	29	447	7/17/21 18:12	7/18/21 1:39
6186974-1	Columbia	32	1732	7/17/21 18:24	7/18/21 23:16
6186978-1	Perry	34	522	7/17/21 18:13	7/18/21 2:55
6186985-1	Columbia	18	1261	7/17/21 18:14	7/18/21 15:15
6186987-1	Columbia	25	1042	7/17/21 18:16	7/18/21 11:38
6186988-1	Monroe	21	614	7/17/21 18:15	7/18/21 4:29
6186990-1	Perry	48	519	7/17/21 18:16	7/18/21 2:55
6186998-1	Columbia	20	1438	7/17/21 18:17	7/18/21 18:15
6187004-1	Columbia	5	725	7/17/21 18:20	7/18/21 6:25
6187007-1	Columbia	1	1314	7/17/21 18:21	7/18/21 16:15
6187011-1	Luzerne	5	1474	7/17/21 18:22	7/18/21 18:56
6187013-1	Columbia	8	1312	7/17/21 18:23	7/18/21 16:15
6187022-1	Northumberland	7	415	7/17/21 18:25	7/18/21 1:20
6187024-1	Perry	4	1269	7/17/21 18:25	7/18/21 15:34
6187030-1	Pike	115	1044	7/17/21 18:27	7/18/21 11:51
6187033-1	Lycoming	1	1262	7/17/21 18:28	7/18/21 15:30
6187044-1	Columbia	37	689	7/17/21 18:17	7/18/21 5:46
6187046-1	Montour	35	1161	7/17/21 18:33	7/18/21 13:54
6187050-1	Columbia	3	1853	7/17/21 18:37	7/19/21 1:30
6187068-1	Dauphin	1	605	7/17/21 18:44	7/18/21 4:49
6187077-1	Lehigh	3	362	7/17/21 18:48	7/18/21 0:50
6187080-1	Perry	34	837	7/17/21 18:48	7/18/21 8:45
6187081-1	Columbia	21	1198	7/17/21 18:02	7/18/21 14:00
6187083-1	Columbia	2	1286	7/17/21 18:04	7/18/21 15:30
6187086-1	Columbia	17	1088	7/17/21 18:02	7/18/21 12:10
6187087-1	Columbia	212	407	7/17/21 18:07	7/18/21 0:54
6187098-1	Columbia	5	622	7/17/21 18:53	7/18/21 5:15
6187101-1	Columbia	8	1721	7/17/21 18:54	7/18/21 23:35
6187109-1	Columbia	12	484	7/17/21 18:04	7/18/21 2:08
6187117-1	Dauphin	4	602	7/17/21 18:58	7/18/21 5:00
6187119-1	Columbia	124	1120	7/17/21 18:59	7/18/21 13:39
6187131-1	Monroe	3	1085	7/17/21 19:03	7/18/21 13:08
6187138-1	Columbia	1	1283	7/17/21 19:06	7/18/21 16:29
6187144-1	Juniata	6	1187	7/17/21 19:10	7/18/21 14:57
6187151-1	Perry	91	370	7/17/21 18:55	7/18/21 1:05
6187196-1	Columbia	1	1437	7/17/21 19:30	7/18/21 19:27
6187221-1	Northumberland	1	488	7/17/21 19:42	7/18/21 3:50
6187226-1	Northumberland	49	879	7/17/21 17:51	7/18/21 8:30
6187236-1	Wayne	435	983	7/17/21 19:48	7/18/21 12:11

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6187246-1	Wayne	4	775	7/17/21 19:50	7/18/21 8:45
6187261-1	Wayne	3	918	7/17/21 19:54	7/18/21 11:12
6187262-1	Columbia	1	799	7/17/21 19:56	7/18/21 9:15
6187269-1	Snyder	217	572	7/17/21 19:58	7/18/21 5:30
6187279-1	Columbia	15	1276	7/17/21 20:04	7/18/21 17:20
6187286-1	Susquehanna	2	991	7/17/21 20:06	7/18/21 12:37
6187288-1	Clinton	4	464	7/17/21 20:07	7/18/21 3:51
6187305-1	Lackawanna	2	1145	7/17/21 20:15	7/18/21 15:20
6187318-1	Northumberland	1	513	7/17/21 17:57	7/18/21 2:30
6187327-1	Columbia	257	1025	7/17/21 16:32	7/18/21 9:37
6187336-1	Columbia	18	1036	7/17/21 17:59	7/18/21 11:15
6187337-1	Union	32	1010	7/17/21 20:35	7/18/21 13:25
6187349-1	Wayne	505	1397	7/17/21 20:39	7/18/21 19:56
6187355-1	Cumberland	1	964	7/17/21 20:40	7/18/21 12:44
6187357-1	Lycoming	4	873	7/17/21 20:42	7/18/21 11:15
6187377-1	Juniata	1	921	7/17/21 20:54	7/18/21 12:15
6187393-1	Wayne	3	1231	7/17/21 20:59	7/18/21 17:30
6187398-1	Carbon	2	1227	7/17/21 21:05	7/18/21 17:32
6187405-1	Cumberland	1	1063	7/17/21 21:13	7/18/21 14:56
6187408-1	Susquehanna	71	1085	7/17/21 21:14	7/18/21 15:19
6187428-1	Lancaster	220	961	7/17/21 21:32	7/18/21 13:33
6187440-1	Columbia	83	442	7/17/21 21:36	7/18/21 4:58
6187450-1	Columbia	124	875	7/17/21 21:48	7/18/21 12:23
6187504-1	Perry	29	678	7/17/21 22:59	7/18/21 10:17
6187509-1	Lycoming	51	1054	7/17/21 23:02	7/18/21 16:37
6187526-1	Northumberland	37	925	7/17/21 23:36	7/18/21 15:01
6187527-1	Lycoming	1	1166	7/17/21 23:43	7/18/21 19:09
6187531-1	Northumberland	18	407	7/17/21 17:42	7/18/21 0:29
6187535-1	Lancaster	2	1189	7/17/21 8:22	7/18/21 4:11
6187541-1	Perry	15	822	7/18/21 0:17	7/18/21 13:59
6187546-1	Cumberland	6	1457	7/18/21 0:21	7/19/21 0:38
6187555-1	Columbia	2	1347	7/18/21 0:23	7/18/21 22:50
6187568-1	Columbia	334	557	7/17/21 17:57	7/18/21 3:14
6187577-1	Cumberland	8	552	7/17/21 20:50	7/18/21 6:02
6187580-1	Lycoming	15	865	7/18/21 1:05	7/18/21 15:30
6187591-1	Columbia	1	767	7/18/21 1:18	7/18/21 14:05
6187641-1	Lycoming	9	867	7/18/21 3:03	7/18/21 17:30
6187643-1	Columbia	14	982	7/18/21 3:09	7/18/21 19:31
6187648-1	Columbia	108	361	7/18/21 1:09	7/18/21 7:10
6187652-1	Columbia	7	896	7/18/21 3:49	7/18/21 18:45
6187659-1	Cumberland	42	837	7/18/21 4:09	7/18/21 18:06
6187662-1	Montour	19	582	7/18/21 4:18	7/18/21 14:00
6187663-1	Montour	5	947	7/18/21 4:23	7/18/21 20:10
6187670-1	Lancaster	1	764	7/18/21 3:37	7/18/21 16:21
6187671-1	Cumberland	1	462	7/18/21 4:38	7/18/21 12:20
6187675-1	Lancaster	35	581	7/18/21 4:49	7/18/21 14:30
6187677-1	Columbia	1	551	7/18/21 4:54	7/18/21 14:05
6187682-1	Northumberland	89	536	7/17/21 17:51	7/18/21 2:47
6187685-1	Lackawanna	11	730	7/18/21 5:05	7/18/21 17:15
6187722-1	Northumberland	1	914	7/18/21 5:31	7/18/21 20:45

Job Number	County	# Customers Out More than 6 Hours	Duration	Trouble Date & Time	Restored Date & Time
6187727-1	Columbia	8	810	7/18/21 5:54	7/18/21 19:24
6187730-1	Columbia	89	605	7/18/21 5:57	7/18/21 16:02
6187740-1	Columbia	88	492	7/18/21 6:03	7/18/21 14:15
6187746-1	Columbia	8	732	7/18/21 6:05	7/18/21 18:17
6187751-1	Snyder	2	361	7/18/21 6:14	7/18/21 12:15
6187757-1	Montour	13	987	7/18/21 6:23	7/18/21 22:50
6187764-1	Montour	2	1431	7/18/21 4:46	7/19/21 4:37
6187765-1	Dauphin	10	667	7/18/21 6:32	7/18/21 17:39
6187778-1	Columbia	117	2072	7/18/21 1:13	7/19/21 11:45
6187790-1	Lycoming	1	858	7/18/21 7:03	7/18/21 21:21
6187792-1	Northumberland	4	835	7/18/21 7:03	7/18/21 20:58
6187794-1	Columbia	1	421	7/18/21 7:04	7/18/21 14:05
6187799-1	Columbia	6	1165	7/18/21 7:08	7/19/21 2:33
6187801-1	Lancaster	1	469	7/18/21 7:09	7/18/21 14:58
6187802-1	Columbia	16	635	7/18/21 5:55	7/18/21 16:30
6187805-1	Perry	2	640	7/18/21 7:17	7/18/21 17:57
6187806-1	Columbia	9	890	7/18/21 7:07	7/18/21 21:57
6187810-1	Columbia	3	871	7/18/21 7:20	7/18/21 21:51
6187811-1	Lancaster	1	397	7/18/21 7:23	7/18/21 14:00
6187814-1	Northumberland	12	1177	7/18/21 7:28	7/19/21 3:05
6187820-1	Snyder	5	418	7/18/21 7:37	7/18/21 14:35
6187833-1	Lancaster	6	366	7/18/21 8:06	7/18/21 14:12
6187841-1	Lycoming	2	922	7/18/21 8:13	7/18/21 23:35
6187851-1	Lycoming	4	1102	7/17/21 23:04	7/18/21 17:26
6187856-1	Snyder	4	540	7/18/21 6:23	7/18/21 15:23
6187861-1	Northumberland	13	462	7/18/21 8:43	7/18/21 16:25
6187893-1	Northumberland	3	662	7/18/21 9:23	7/18/21 20:25
6187899-1	Lancaster	1	461	7/18/21 9:34	7/18/21 17:15
6187901-1	Columbia	1	597	7/18/21 9:38	7/18/21 19:35
6187903-1	Luzerne	1	596	7/18/21 9:43	7/18/21 19:39
6187911-1	Columbia	4	552	7/18/21 9:53	7/18/21 19:05
6187913-1	Columbia	4	843	7/18/21 6:57	7/18/21 21:00
6187928-1	Dauphin	3	552	7/18/21 10:18	7/18/21 19:30
6187932-1	Columbia	1	542	7/18/21 10:28	7/18/21 19:30
6187966-1	Perry	1	562	7/18/21 11:34	7/18/21 20:56
6187976-1	Northumberland	2	557	7/18/21 11:49	7/18/21 21:06
6188015-1	Luzerne	11	427	7/18/21 12:57	7/18/21 20:04
6188021-1	Northumberland	11	559	7/18/21 6:02	7/18/21 15:21
6188081-1	Union	1	405	7/18/21 14:40	7/18/21 21:25
6188124-1	Columbia	5	734	7/18/21 14:31	7/19/21 2:45
6188137-1	Columbia	25	962	7/18/21 0:23	7/18/21 16:25
6190779-1	Cumberland	6	828	7/17/21 18:22	7/18/21 8:10
6191806-1	Lancaster	5	930	7/17/21 14:24	7/18/21 5:54
6191978-1	Lancaster	1	481	7/17/21 17:32	7/18/21 1:33

(f)   Reason for the interruption or outages:

The interruptions were caused by a thunder and lightning event that brought 40-50 MPH wind gusts to all regions of PPL Electric's territory.

(g)   Projected time of restoration:

Restoration was projected to be completed by 1200 on July 19, 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	0	Assessors
PPL Electric Utilities	168	Distribution Line Personnel
PPL Electric Utilities	19	Foremen
PPL Electric Utilities	20	Electricians
PPL Electric Utilities	4	Material Handlers
PPL Electric Utilities	6	Substation Electricians
PPL Electric Utilities	4	Relay Test Engineers
PPL Electric Utilities	101	Office Personnel
Metrotek	12	Electrical Contractors
Henkel's & McCoy	35	Electrical Contractors
IB Abel	7	Electrical Contractors
Michels Power Inc	4	Electrical Contractors
Harlan	13	Electrical Contractors
Haugland Electric	20	Electrical Contractors
Tri-M	3	Electrical Contractors
Matrix NAC	16	Electrical Contractors
MJ Electric	15	Electrical Contractors
Treesmiths	34	Vegetation Contractors
PennLine	135	Vegetation Contractors
Asplundh	29	Vegetation Contractors

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

The initial service interruption occurred at approximately 1330 on July 17, 2021.

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

Crews were first assembled at 1000 on July 17, 2021.

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

The final customer was restored at 1145 on July 19, 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 – 4,505 feet
- Pole(s) – 15
- Crossarms – 16
- Arrestors – 20
- Cutouts – 31
- Transformers – 28

(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 16, the forecast for July 17-18 called for 4-6 hours of strong storm cells with wind gusts of 50-60 MPH, with peaks up to 65 MPH. Very heavy rain was expected, as was moderate lightning.

The actual weather consisted of conditions generally as 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: _____
_____
_____