

Tori L. Giesler, Esq.
(610) 921-6658
(330) 315-9263 (Fax)

August 2, 2021

VIA E-FILING

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120

***Re: Completed Restoration of Momentary and Sustained Interruptions –
Pennsylvania Electric Company; Docket No. M-2021-3023564***

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, Pennsylvania Electric Company (“Penelec”) submits written notification of completed restoration efforts following storm conditions that began on July 16, 2021 that caused multiple service interruptions in the Penelec service territory.

Attached please find the details relative to the impact of this recent outage event and the restoration activities that took place. It should be noted that the review and approval process of this outage information is still in progress at the time of filing this report and as such, all outage information contained in this report should be considered preliminary.

If you have any questions, please contact me at (610) 921-6783.

Sincerely,



Tori L. Giesler

Enclosures

- c: Dan Searfoorce - PaPUC Bureau of Technical Utility Services (via electronic mail)
- Derek Ruhl - PaPUC Bureau of Technical Utility Services (via electronic mail)
- John Van Zant - PaPUC Bureau of Technical Utility Services (via electronic mail)

ELECTRIC UTILITY REPORT OF OUTAGE TO
PENNSYLVANIA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU
P O BOX 3265
HARRISBURG, PA 17105-3265

1. Reporting Utility: Pennsylvania Electric Company ("Penelec")
Address: 800 Cabin Hill Road
Greensburg, PA 15601

2. Name and title of person making report:

Scott Wyman President, Pennsylvania Operations
(Name) *(Title)*

3. Telephone number: (724) 838-6150
(Telephone Number)

4. Date and time report was made to Commission:

July 17, 2021 2050
(Date) *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 22,729 (Represents 3.9% of Penelec's total customers).

(b) Approximate number of outage cases and trouble cases for each county affected during event: See response to 5(c).

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

County	Outages	Outage Cases	Trouble Cases
Bedford	27	3	2
Blair	529	14	11
Bradford	699	15	6
Cambria	2,030	15	19
Clarion	2,456	15	2
Clearfield	2,399	41	11
Crawford	254	8	10
Cumberland	5	3	1
Erie	2,584	37	28
Forest	116	6	1
Franklin	148	5	0
Huntingdon	52	3	1
Indiana	2,864	31	6
Jefferson	657	8	4
Lycoming	483	1	3
McKean	85	12	4
Mifflin	393	9	1
Potter	1	1	0
Somerset	960	9	3
Sullivan	1,432	14	2
Susquehanna	296	17	4
Tioga	43	6	2
Venango	143	12	7
Warren	2,582	27	11
Wayne	9	1	1
Wyoming	1,482	13	4
Total	22,729	326	144

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 94

(e) A listing of each outage case exceeding 6 or more hours in duration:
See Attachment A.

(f) Reason for the interruption or outages: Beginning Friday afternoon, July 16, 2021, and continuing into the evening of Saturday, July 17, strong thunderstorms passed through the Penelec service territory. Storm impacts continued to affect the area throughout the restoration activities during the event. Penelec experienced heavy rain, lightning and wind gusts in excess of 40 miles per hour. See Attachment B for the maximum wind

speeds measured on July 16 and 17, 2021 and the 24-hour total precipitation graphics for July 16 and 17, 2021.

The Penelec service territory suffered widespread damage. Damages as a result of the rain, wind, and lightning included downed trees/power lines and damaged and broken poles/crossarms. The hardest hit areas were the Johnstown, Oil City, Warren, and Clearfield districts. Approximately 48% of the total outages that occurred in the Penelec service territory were tree related, with an additional 19% of outages caused by lightning.

Preliminary data indicate the reliability impact of the storm was 6.7 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 172.1 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 1600 on July 18 in the Johnstown, Shippensburg, and Lewistown districts and by 1700 on July 18 in the Towanda and Mansfield districts. The remaining customers were estimated to be restored by 2300 on July 18, with a few isolated customers extending beyond this time.

See Attachment C for the restoration curve and Attachment D for the order restoration graphs.

- (h) The number of utility workers, contract workers, and workers received as mutual aid assigned specifically to the repair work by general function:

Company	# of Workers	General Function
Penelec	134	Line Workers
Subtotal	134	
Henkels & McCoy	3	Line Contractor
Thayer PC	5	Line Contractor
Subtotal	8	
Asplundh	11	
Davey Tree	2	Forestry Contractor
Hazlett Tree	3	Forestry Contractor
Lewis Tree Service	2	Forestry Contractor
PennLine Services	16	Forestry Contractor
TreeSmiths	12	Forestry Contractor
Subtotal	46	
Penelec	43	Supporting Roles
Subtotal	43	
Grand Total	231	

- (i) The date and time of the first information of a service interruption: July 16, 2021 at 1424.
- (j) The date and time that repair crews were assembled: Crews were on duty and were held over with additional crews, including contractors, brought in to support restoration.
- (k) The actual time that service was restored to the last affected customer: July 19, 2021 at 0120. Additionally, Penelec was able to restore approximately 92.2% of the impacted customers in less than six hours from the time of interruption.
- (l) A general description of the physical damage sustained by the utility facilities as a result of the interruption/outage:

Equipment	Number
Primary Spans Down	127
Secondary Spans Replaced	41
Crossarms Replaced	33
Cutouts Replaced	26
Poles Replaced	11
Transformers Replaced	13
Wire & Cable Replaced (feet)	1,510

- (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:

See Attachment E for the weather forecast reports.

- (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.

The outages that were a result of this event did not exceed 10% or more of customers in the utility’s entire service territory.

Remarks: The storm statistics contained in this report are preliminary. The review and approval of the storm statistics were still in progress as of the time this report was filed.

Attachment A: A listing of each outage case exceeding six or more hours in duration, including the following information¹:

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
11675131-4	McKean	12	3,361	07/16/2021 1424	07/18/2021 2225
11680412-1	Sullivan	104	1,738	07/17/2021 1832	07/18/2021 2330
11675672-2	Indiana	1	1,729	07/16/2021 1630	07/17/2021 2119
11677336-2	Clearfield	2	1,713	07/17/2021 1525	07/18/2021 1958
11675807-1	McKean	18	1,708	07/16/2021 1508	07/17/2021 1936
11678523-2	Clearfield	5	1,694	07/17/2021 1514	07/18/2021 1928
11676961-3	Warren	7	1,541	07/17/2021 1430	07/18/2021 1611
11678379-1	McKean	1	1,473	07/17/2021 1508	07/18/2021 1541
11678393-2	Clarion	1	1,469	07/17/2021 1944	07/18/2021 2013
11676551-2	Venango	5	1,428	07/17/2021 1247	07/18/2021 1235
11678534-2	Venango	1	1,399	07/17/2021 2006	07/18/2021 1925
11677844-2	Clearfield	2	1,313	07/17/2021 1812	07/18/2021 1605
11678677-1	Wyoming	1	1,294	07/17/2021 2100	07/18/2021 1834
11677494-1	Indiana	11	1,281	07/17/2021 1514	07/18/2021 1235
11678123-1	Warren	16	1,265	07/17/2021 1647	07/18/2021 1352
11677374-2	Clearfield	14	1,265	07/17/2021 1515	07/18/2021 1220
11677822-2	Susquehanna	13	1,261	07/17/2021 1809	07/18/2021 1510
11678123-1	Warren	29	1,238	07/17/2021 1647	07/18/2021 1325
11677583-2	Susquehanna	52	1,231	07/17/2021 1657	07/18/2021 1328
11675380-2	Indiana	12	1,224	07/16/2021 1649	07/17/2021 1313
11677841-2	Susquehanna	138	1,186	07/17/2021 1809	07/18/2021 1355
11678390-1	McKean	1	1,186	07/17/2021 1944	07/18/2021 1530
11677253-2	Clearfield	15	1,166	07/17/2021 1514	07/18/2021 1040
11677734-2	Indiana	8	1,116	07/17/2021 1500	07/18/2021 0936
11679353-2	Wyoming	42	1,114	07/17/2021 2348	07/18/2021 1822
11676298-1	Sullivan	3	1,107	07/16/2021 1923	07/17/2021 1350
11678120-4	Clarion	5	1,074	07/17/2021 1905	07/18/2021 1259
11675970-1	Sullivan	12	1,071	07/16/2021 1815	07/17/2021 1206
11678699-2	Susquehanna	3	1,058	07/17/2021 2058	07/18/2021 1436
11677398-2	Erie	7	1,006	07/17/2021 1544	07/18/2021 0830
11678054-2	Sullivan	4	973	07/17/2021 1855	07/18/2021 1108
11676068-2	Sullivan	7	961	07/16/2021 2004	07/17/2021 1205
11679317-1	McKean	1	942	07/18/2021 0106	07/18/2021 1648

¹ When applicable, the individual restoration steps for an order are provided for those customers that were out of service for 6 hours or more.

Penelec Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
11676068-1	Sullivan	103	866	07/16/2021 2004	07/17/2021 1030
11678852-1	Warren	31	832	07/17/2021 2136	07/18/2021 1128
11677804-1	Susquehanna	1	827	07/17/2021 1805	07/18/2021 0752
11677071-2	Cambria	4	810	07/17/2021 1503	07/18/2021 0433
11690334-1	Indiana	1	797	07/18/2021 0823	07/18/2021 2140
11676068-1	Sullivan	143	779	07/16/2021 2004	07/17/2021 0903
11676396-2	McKean	21	779	07/17/2021 1005	07/17/2021 2304
11678843-1	Wyoming	1	773	07/17/2021 2132	07/18/2021 1025
11678584-1	Venango	1	751	07/17/2021 2022	07/18/2021 0853
11677657-1	Mifflin	6	732	07/17/2021 1721	07/18/2021 0533
11676103-2	Susquehanna	1	729	07/17/2021 0006	07/17/2021 1215
11676103-2	Susquehanna	3	729	07/17/2021 0006	07/17/2021 1215
11676103-2	Susquehanna	5	729	07/17/2021 0006	07/17/2021 1215
11677489-2	Mifflin	11	728	07/17/2021 1627	07/18/2021 0435
11680439-2	Blair	13	722	07/18/2021 1318	07/19/2021 0120
11679762-1	Warren	8	713	07/18/2021 0631	07/18/2021 1824
11676051-2	Venango	16	689	07/16/2021 2216	07/17/2021 0945
11679702-1	Jefferson	5	644	07/17/2021 2246	07/18/2021 0930
11676167-2	Clearfield	72	644	07/17/2021 0116	07/17/2021 1200
11677545-2	Mifflin	34	638	07/17/2021 1645	07/18/2021 0323
11679876-2	Blair	11	623	07/18/2021 0856	07/18/2021 1919
11679156-1	Venango	8	617	07/17/2021 1759	07/18/2021 0416
11678852-1	Warren	17	610	07/17/2021 2136	07/18/2021 0746
11677723-1	Cambria	12	608	07/17/2021 1505	07/18/2021 0113
11676267-1	Clarion	12	602	07/17/2021 0716	07/17/2021 1718
11679472-1	Wayne	9	599	07/18/2021 0403	07/18/2021 1402
11679531-1	Warren	8	599	07/17/2021 1907	07/18/2021 0506
11679379-1	McKean	13	593	07/18/2021 0150	07/18/2021 1143
11678301-1	Forest	10	593	07/17/2021 1929	07/18/2021 0522
11677766-1	Venango	1	589	07/17/2021 1752	07/18/2021 0341
11676103-2	Susquehanna	22	557	07/17/2021 0258	07/17/2021 1215
11677729-2	Wyoming	52	547	07/17/2021 1738	07/18/2021 0245
11677869-1	Cambria	1	546	07/17/2021 1824	07/18/2021 0330
11676971-1	Venango	45	544	07/17/2021 1437	07/17/2021 2341
11676497-1	Clearfield	99	524	07/17/2021 1148	07/17/2021 2032
11677219-2	Cambria	37	511	07/17/2021 1509	07/17/2021 2340
11676156-2	Cambria	6	509	07/17/2021 0116	07/17/2021 0945
11678070-2	Erie	12	503	07/17/2021 1857	07/18/2021 0320

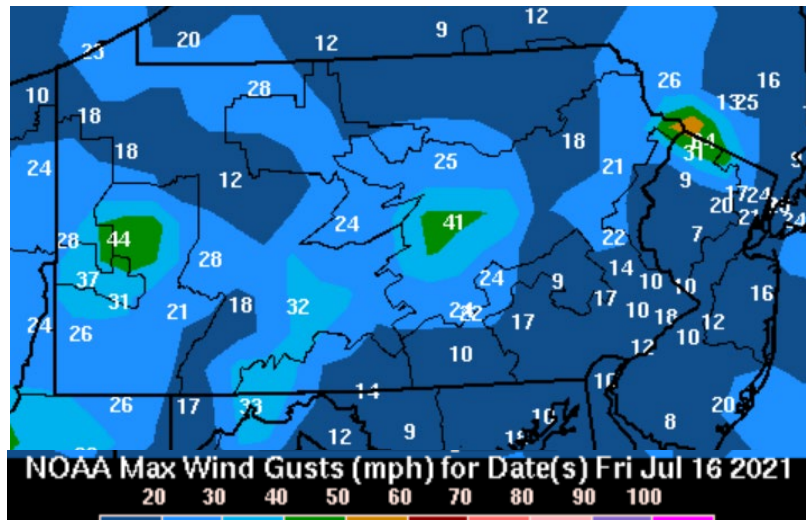
Penelec Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
11679353-2	Wyoming	30	498	07/17/2021 2348	07/18/2021 0806
11675424-1	Clearfield	2	497	07/16/2021 1713	07/17/2021 0130
11677636-1	Mifflin	30	496	07/17/2021 1710	07/18/2021 0126
11675427-3	Clearfield	20	496	07/16/2021 1714	07/17/2021 0130
11676417-1	Venango	1	493	07/17/2021 1049	07/17/2021 1902
11679580-1	Susquehanna	3	470	07/18/2021 0540	07/18/2021 1330
11676050-1	Blair	1	467	07/16/2021 2213	07/17/2021 0600
11677395-1	Cambria	1	466	07/17/2021 1544	07/17/2021 2330
11677336-2	Clearfield	64	451	07/17/2021 1525	07/17/2021 2256
11676033-1	Forest	53	449	07/16/2021 2152	07/17/2021 0521
11678149-1	Erie	7	444	07/17/2021 1910	07/18/2021 0234
11680439-2	Blair	102	443	07/18/2021 1318	07/18/2021 2041
11680326-1	Forest	2	429	07/18/2021 1341	07/18/2021 2050
11676362-2	Bradford	1	423	07/17/2021 0912	07/17/2021 1615
11676049-1	Erie	1	421	07/16/2021 2212	07/17/2021 0513
11678014-1	Venango	6	413	07/17/2021 1847	07/18/2021 0140
11676499-1	Venango	6	402	07/17/2021 1150	07/17/2021 1832
11677352-1	Indiana	8	397	07/17/2021 1528	07/17/2021 2205
11677537-1	Clearfield	1	387	07/17/2021 1644	07/17/2021 2311
11676359-2	Indiana	1	377	07/17/2021 0912	07/17/2021 1529
11678011-1	Warren	5	365	07/17/2021 1846	07/18/2021 0051
11678523-1	Clearfield	5	362	07/17/2021 1514	07/17/2021 2116
11678276-1	Susquehanna	10	360	07/17/2021 1900	07/18/2021 0100

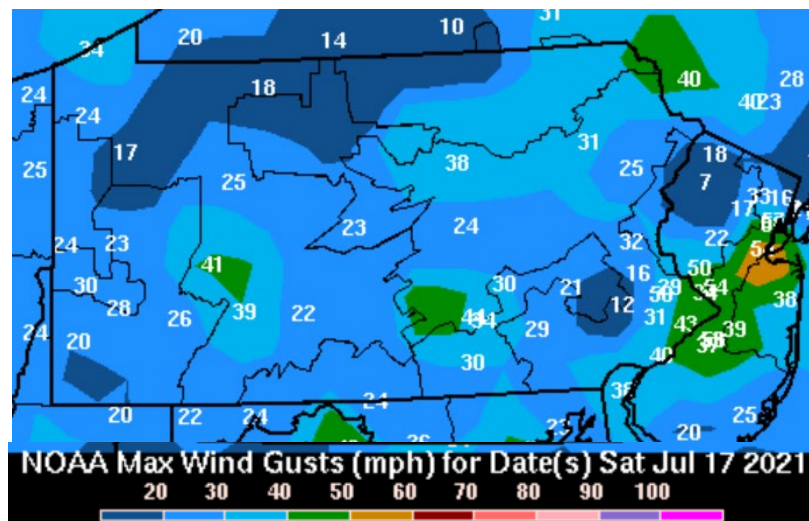
Attachment B: FirstEnergy Wind and Precipitation Report

Wind and Precipitation Reports: Graphic 1 and 2 illustrate the maximum wind gusts in the West Penn service territory on July 16 and July 17, 2021. Graphics 3 and 4 illustrate the 24-Hour Total Precipitation in the West Penn service territory on July 16 and July 17, 2021. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

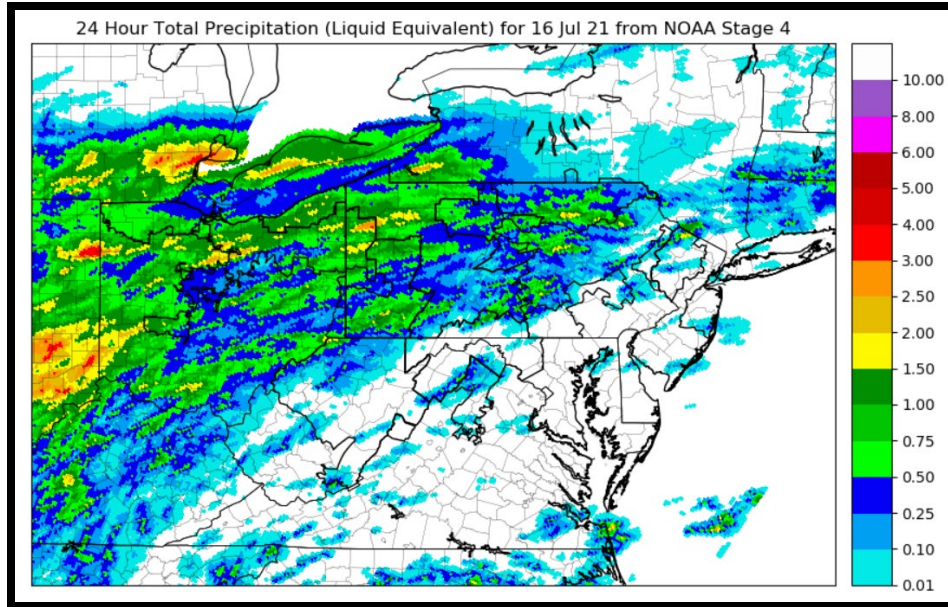
Graphic 1: Maximum Wind Gusts: Friday, July 16, 2021



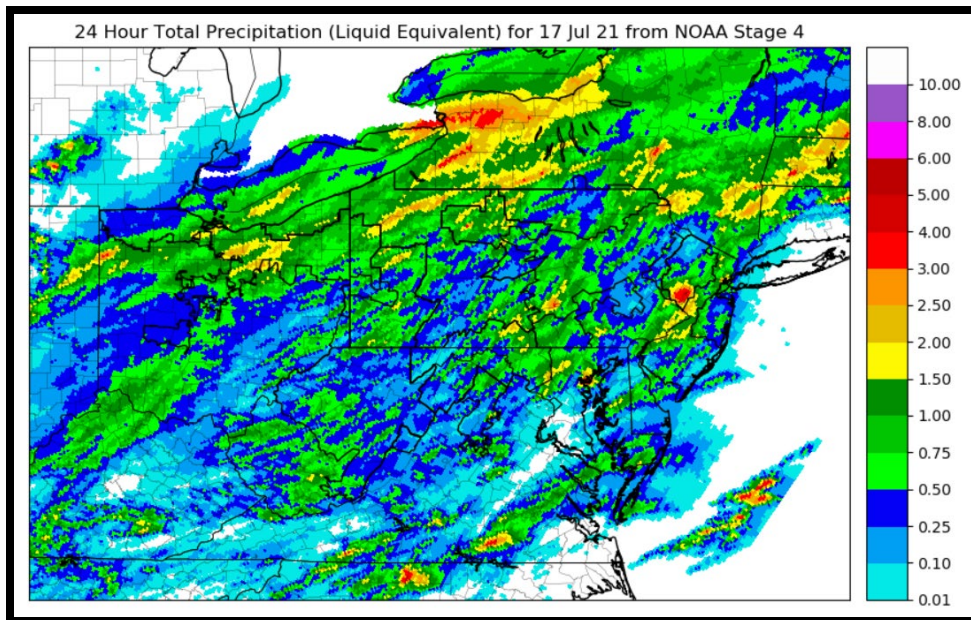
Graphic 2: Maximum Wind Gusts: Saturday, July 17, 2021



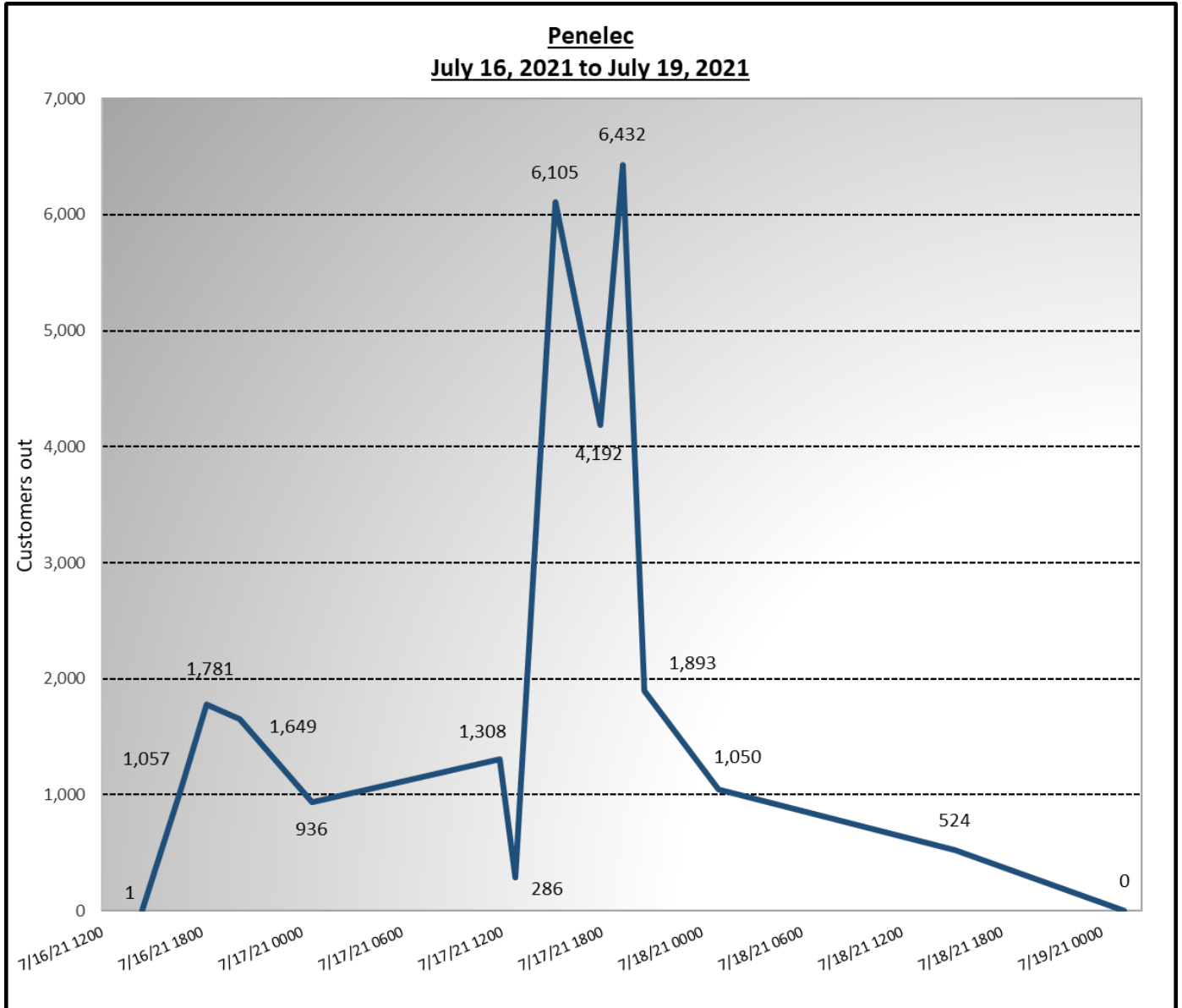
Graphic 3: 24-Hour Total Precipitation: Friday, July 16, 2021



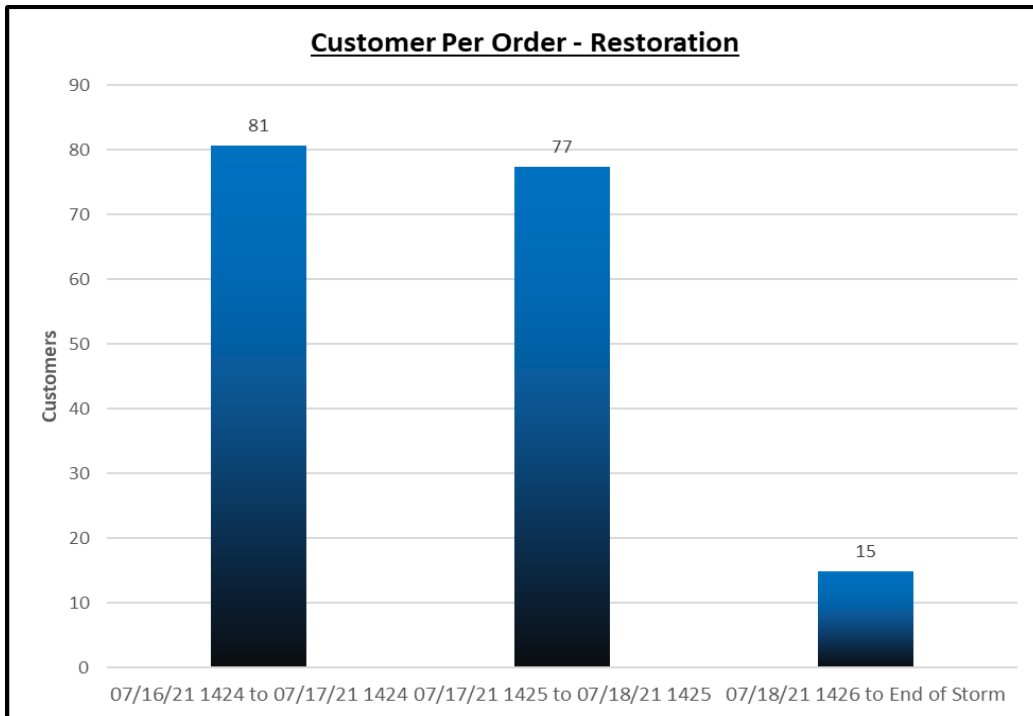
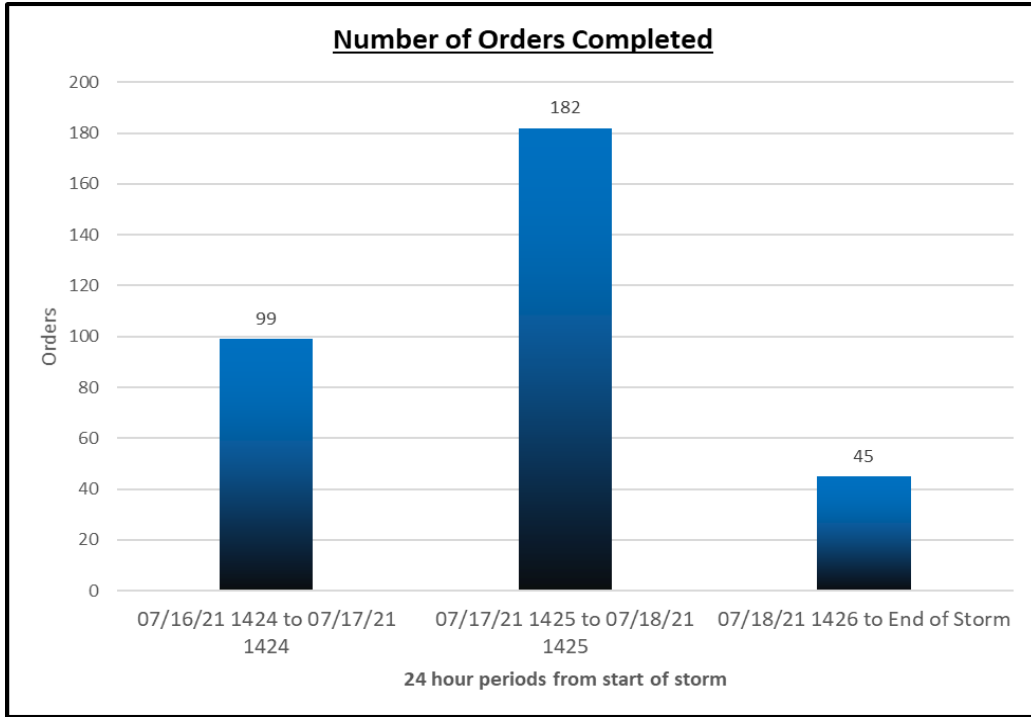
Graphic 4: 24-Hour Total Precipitation: Saturday, July 17, 2021



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



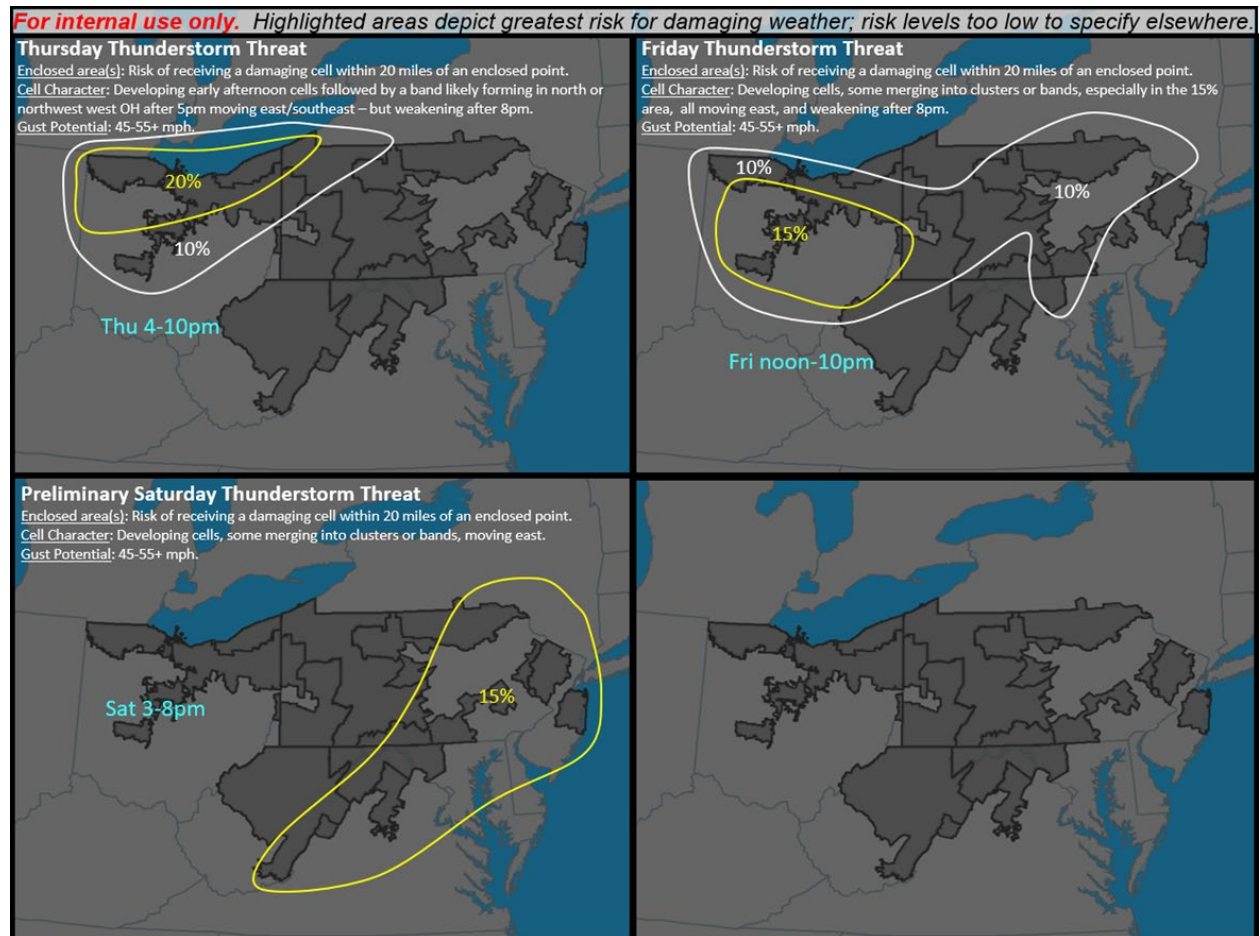
Attachment E: FirstEnergy Meteorologist Reports

Thursday July 15, 2021 @ 0949

New Issuance: New issuance for Friday and Saturday

Changes:

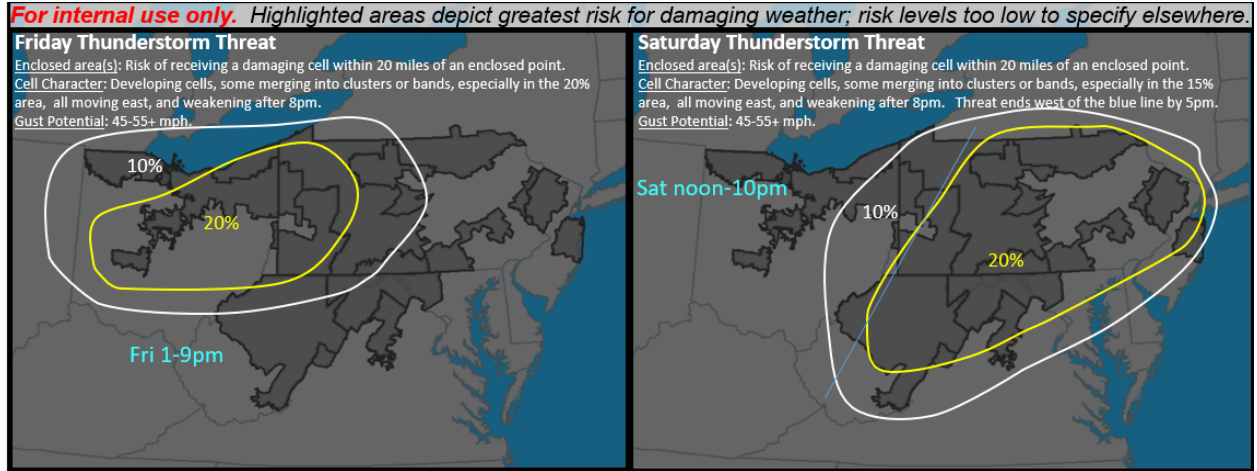
1. Expanded threat area east today. Confidence is normal with this panel.
2. Added threat for tomorrow. Confidence is normal with this panel.
3. Added preliminary threat for Saturday. Confidence is normal with this panel.



Friday, July 16, 2021 @ 0901

Changes:

1. Removed threat area from much of eastern FE. Confidence is normal with this panel.
2. Added details for threat tomorrow. Confidence is normal with this panel.



Saturday, July 17, 2021 @ 0944

Changes

Increased risk in east FE and added timing details. Confidence is normal with this panel. Damaging cells are not expected Sunday.

