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August 28, 2023

**VIA E-FILING**

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2<sup>nd</sup> 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 August 12, 2023 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) 212-8331.

Sincerely,



Darsh Singh

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)  
Harry Bidelspach – 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 Drive  
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:

August 12, 2023                                      2124  
*(Date)*    *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 19,888 (Represents 3.4% 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
Blair	58	14	25
Bradford	6,807	52	59

Cambria	6,818	43	40
Centre	1	1	3
Clearfield	250	7	14
Crawford	181	10	17
Erie	1,878	22	24
Forest	69	2	2
Huntingdon	3	1	2
Indiana	244	11	8
Jefferson	2,835	16	6
Lycoming	16	1	0
Mckean	20	2	0
Mifflin	18	5	4
Susquehanna	380	7	5
Tioga	18	3	1
Venango	180	7	8
Warren	27	6	1
Wyoming	85	3	5
<b>Total</b>	<b>19,888</b>	<b>213</b>	<b>224</b>

- (d) Approximate number of outage cases exceeding 6 or more hours in duration: 80
- (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 the afternoon of August 12, 2023, a weather system producing heavy rain and winds moved through Pennsylvania including the Penelec service territory. Penelec experienced wind gusts up to 38 miles per hour and portions of the service territory received up to 2.5 inches of rain. See Attachment B for the maximum wind gusts and the 24-hour total precipitation for August 12, 2023.
- (g) Damage as a result of the high winds included downed trees/power lines, damaged and broken poles/crossarms, and damaged equipment. Altoona, DuBois, Erie, and Towanda districts were the hardest hit areas. Approximately 54.5% of the total outages that occurred were tree related.
- Preliminary data indicates the reliability impact of the storm was 9.6 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 279.30 minutes.
- (h) Projected time of restoration: It was estimated that the majority of customers would be restored by 2300 on Sunday, August 13, 2023.
- See Attachment C for the restoration curve and Attachment D for the order restoration graphs.

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

<b>Company</b>	<b># of Workers</b>	<b>General Function</b>
Penelec	125	Line Workers
<b>Subtotal</b>	<b>125</b>	<b>Line Workers</b>
Penelec	1	Forestry Specialist
Lewis Tree Service	6	Forestry Contractor
Davey Tree Experts	16	Forestry Contractor
PennLine Service	30	Forestry Contractor
<b>Subtotal</b>	<b>53</b>	<b>Forestry</b>
Penelec Hazard Responders	10	Hazard Responders/Damage Assessors
<b>Subtotal</b>	<b>10</b>	<b>Hazard Responders</b>
Penelec Support	29	Supporting Roles
FirstEnergy Service Co.	5	Supporting Roles
<b>Subtotal</b>	<b>34</b>	<b>Support</b>
<b>Grand Total</b>	<b>222</b>	

- (j) The date and time of the first information of a service interruption: August 12, 2023, at 1418.
- (k) The date and time that repair crews were assembled: August 12, 2023 at 1418.
- (l) The actual time that service was restored to the last affected customer: August 14, 2023 at 1600.
- (m) A general description of the physical damage sustained by the utility facilities as a result of the interruption/outage:

<b>Equipment</b>	<b>Number</b>
Crossarms Replaced	18
Cutouts Replaced	22
Poles Replaced	9
Transformers Replaced	3
Wire & Cable Replaced (feet)	1,246
Primary Spans Down	69
Secondary Spans Replaced	34

- (n) 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.

- (o) If the interruption/outage event caused approximate outages that exceed 10% or more of the number 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 information<sup>1</sup>:**

<b>Order #</b>	<b>Approximate Location (County)</b>	<b>Total Number of Customers Affected</b>	<b>Duration of the Outage (minutes)</b>	<b>Initial Date and Time of the Outage</b>	<b>Restoration Date and Time</b>
603684	Bradford	1	2,519	8/12/23 18:56	8/14/23 12:55
600192	Cambria	1	2,380	8/12/23 21:10	8/14/23 12:50
600192	Cambria	39	2,268	8/12/23 21:10	8/14/23 10:58
601331	Cambria	48	2,248	8/12/23 21:22	8/14/23 10:50
602358	Bradford	1	2,124	8/12/23 18:06	8/14/23 5:30
602196	Cambria	15	2,036	8/13/23 2:44	8/14/23 12:40
604927	Jefferson	13	1,886	8/12/23 16:16	8/13/23 23:42
604925	Jefferson	8	1,886	8/12/23 16:16	8/13/23 23:42
599977	Bradford	32	1,777	8/12/23 18:55	8/14/23 0:32
599686	Jefferson	1	1,755	8/12/23 16:16	8/13/23 21:31
599686	Jefferson	32	1,738	8/12/23 16:16	8/13/23 21:14
599662	Jefferson	994	1,697	8/12/23 16:16	8/13/23 20:33
603883	Cambria	61	1,536	8/12/23 21:14	8/13/23 22:50
599793	Bradford	48	1,514	8/12/23 17:58	8/13/23 19:12
602367	Bradford	7	1,405	8/12/23 18:05	8/13/23 17:30
603359	Bradford	1	1,376	8/12/23 19:24	8/13/23 18:20
599798	Bradford	1	1,367	8/12/23 17:58	8/13/23 16:45
600950	Cambria	31	1,359	8/12/23 21:24	8/13/23 20:03
602264	Crawford	23	1,358	8/12/23 19:27	8/13/23 18:05
599803	Bradford	1	1,312	8/12/23 18:03	8/13/23 15:55
603795	Blair	4	1,304	8/12/23 22:09	8/13/23 19:53
599798	Bradford	18	1,232	8/12/23 17:58	8/13/23 14:30
603745	Tioga	7	1,228	8/13/23 12:57	8/14/23 9:25
600075	Erie	4	1,203	8/12/23 19:57	8/13/23 16:00
600288	Cambria	2	1,130	8/12/23 21:42	8/13/23 16:32
599755	Wyoming	32	1,128	8/12/23 17:35	8/13/23 12:23
599933	Forest	20	1,119	8/12/23 18:30	8/13/23 13:09
603006	Cambria	1	1,100	8/12/23 22:01	8/13/23 16:21
603887	Cambria	2	1,078	8/12/23 21:22	8/13/23 15:20
601886	Blair	1	1,058	8/12/23 23:59	8/13/23 17:37
603590	Bradford	2	1,057	8/12/23 18:56	8/13/23 12:33

<sup>1</sup> 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
599803	Bradford	60	1,037	8/12/23 18:03	8/13/23 11:20
603756	Blair	1	1,020	8/12/23 22:30	8/13/23 15:30
600353	Bradford	43	999	8/12/23 18:56	8/13/23 11:35
601967	Cambria	11	991	8/12/23 21:14	8/13/23 13:45
600208	Cambria	129	991	8/12/23 21:14	8/13/23 13:45
600030	Erie	19	964	8/12/23 16:24	8/13/23 8:28
599958	Bradford	76	962	8/12/23 17:59	8/13/23 10:01
600053	Wyoming	50	938	8/12/23 19:47	8/13/23 11:25
602879	Susquehanna	6	896	8/12/23 18:02	8/13/23 8:58
604268	Venango	1	891	8/13/23 11:21	8/14/23 2:12
600121	Crawford	111	805	8/13/23 4:40	8/13/23 18:05
604523	Wyoming	3	779	8/13/23 19:01	8/14/23 8:00
602213	Bradford	71	765	8/12/23 18:55	8/13/23 7:40
603072	Cambria	1	756	8/12/23 23:04	8/13/23 11:40
600029	Susquehanna	12	754	8/12/23 19:28	8/13/23 8:02
599616	Erie	10	741	8/12/23 15:04	8/13/23 3:25
604750	Bradford	9	741	8/13/23 20:39	8/14/23 9:00
600180	Cambria	10	689	8/12/23 21:05	8/13/23 8:34
599958	Bradford	11	688	8/12/23 17:59	8/13/23 5:27
600200	Bradford	51	680	8/12/23 17:58	8/13/23 5:18
599836	Bradford	38	659	8/12/23 18:06	8/13/23 5:05
600417	Cambria	15	655	8/12/23 20:57	8/13/23 7:52
599871	Bradford	62	629	8/12/23 16:37	8/13/23 3:06
600165	Erie	8	627	8/12/23 20:55	8/13/23 7:22
599793	Bradford	725	608	8/12/23 17:58	8/13/23 4:06
600304	Blair	21	592	8/12/23 21:53	8/13/23 7:45
600368	Lycoming	16	565	8/12/23 22:37	8/13/23 8:02
599803	Bradford	439	561	8/12/23 18:03	8/13/23 3:24
600254	Cambria	38	556	8/12/23 21:27	8/13/23 6:43
604241	Venango	1	526	8/13/23 12:06	8/13/23 20:52
603135	Mckean	15	493	8/13/23 4:53	8/13/23 13:06
599803	Bradford	452	487	8/12/23 18:45	8/13/23 2:52
599916	Susquehanna	2	475	8/12/23 18:45	8/13/23 2:40
599832	Bradford	233	475	8/12/23 18:45	8/13/23 2:40
599849	Bradford	373	475	8/12/23 18:45	8/13/23 2:40
599698	Jefferson	31	461	8/12/23 16:37	8/13/23 0:18
603363	Bradford	1	455	8/13/23 12:45	8/13/23 20:20

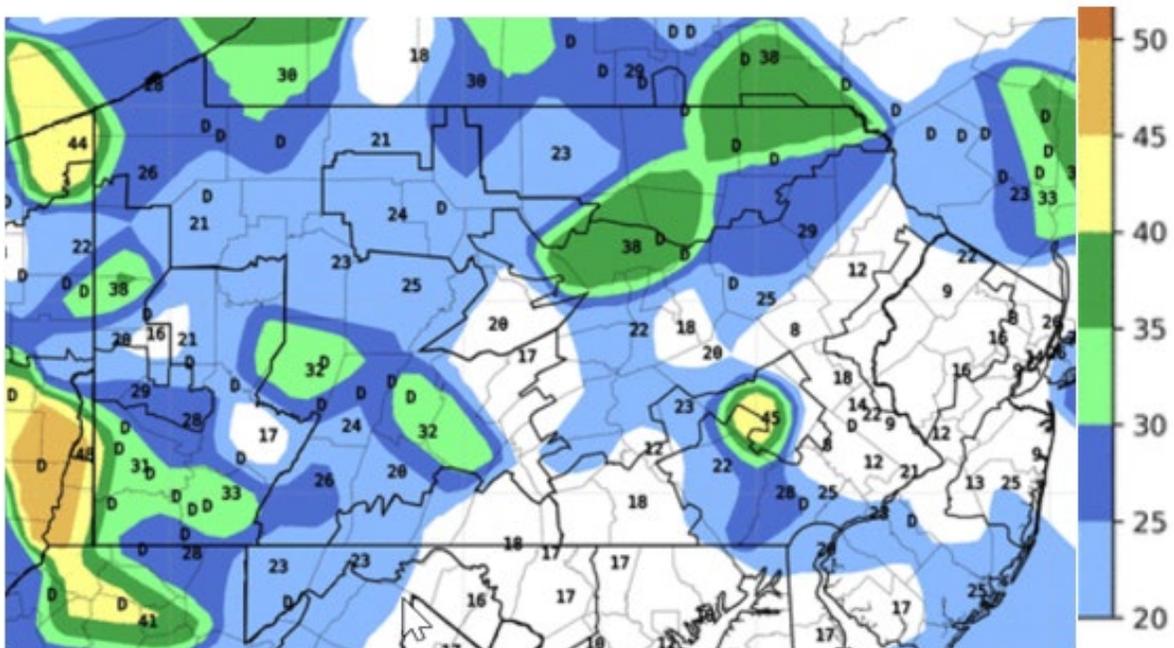
Penelec Storm Report

<b>Order #</b>	<b>Approximate Location (County)</b>	<b>Total Number of Customers Affected</b>	<b>Duration of the Outage (minutes)</b>	<b>Initial Date and Time of the Outage</b>	<b>Restoration Date and Time</b>
603262	Clearfield	17	449	8/13/23 10:18	8/13/23 17:47
600192	Cambria	47	431	8/12/23 21:10	8/13/23 4:21
600033	Indiana	8	424	8/12/23 19:29	8/13/23 2:33
600048	Crawford	7	424	8/12/23 18:32	8/13/23 1:36
600305	Bradford	23	418	8/12/23 18:06	8/13/23 1:04
600045	Indiana	6	405	8/12/23 19:38	8/13/23 2:23
599977	Bradford	26	404	8/12/23 18:55	8/13/23 1:39
604121	Blair	1	389	8/13/23 8:41	8/13/23 15:10
600422	Centre	1	388	8/12/23 23:02	8/13/23 5:30
600129	Bradford	7	379	8/12/23 20:33	8/13/23 2:52
603848	Cambria	3	370	8/13/23 13:45	8/13/23 19:55
599699	Jefferson	13	362	8/12/23 16:38	8/12/23 22:40

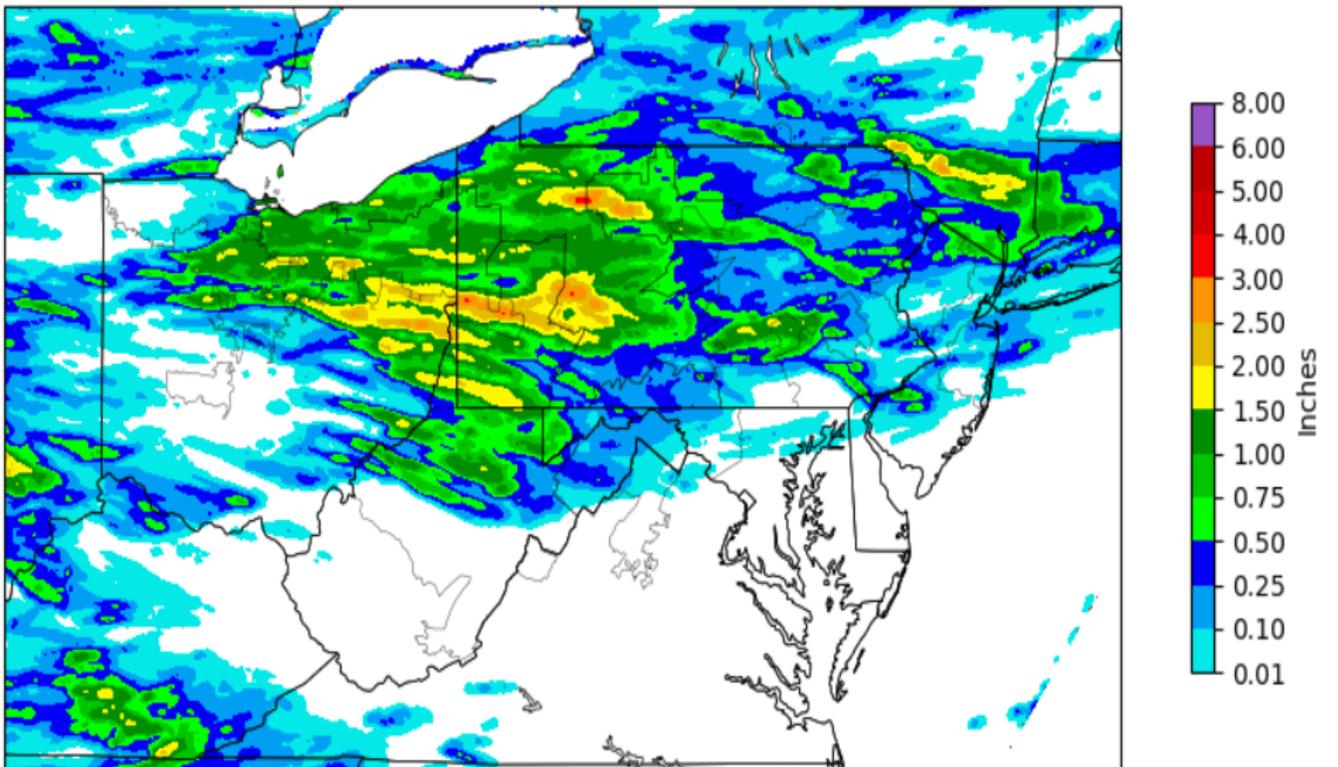
**Attachment B: Precipitation Reports**

**Wind & Precipitation Reports:** Graphic 1 shows the maximum wind gusts in the Penelec service territory on August 12, 2023. Graphic 2 illustrates the 24-Hour Total Precipitation in the Penelec service territory on August 12, 2023. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

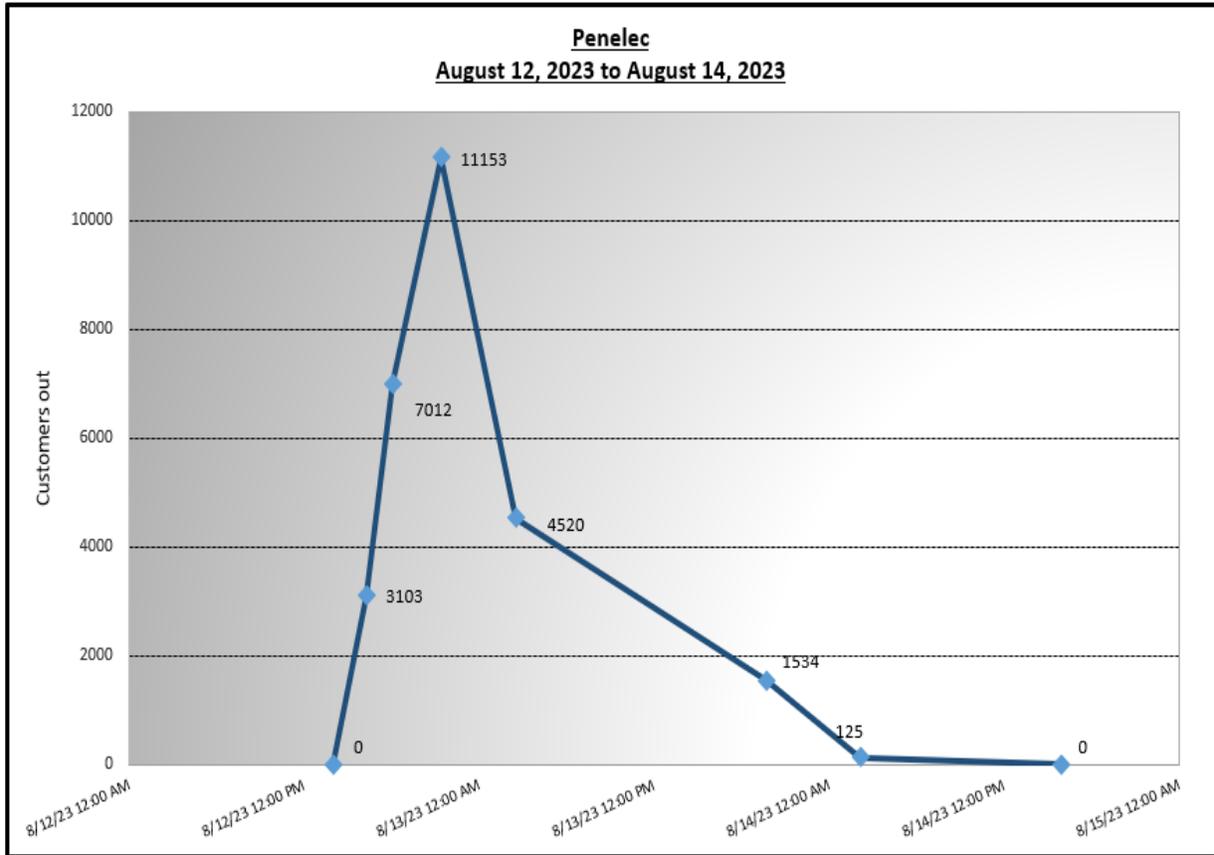
**Graphic 1: Wind Speeds: Saturday, August 12, 2023**



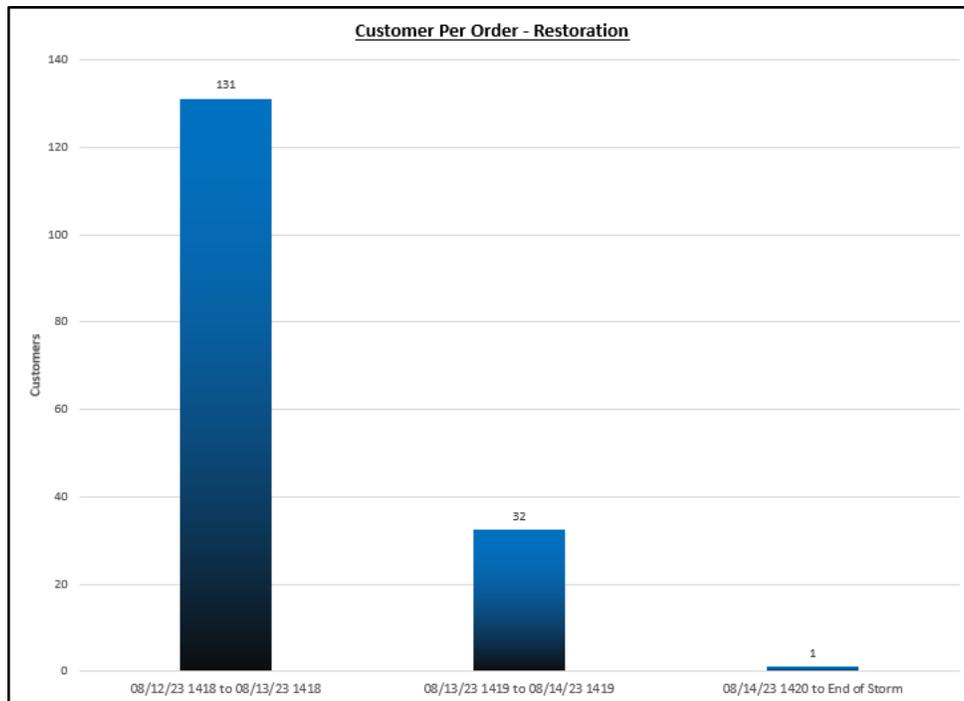
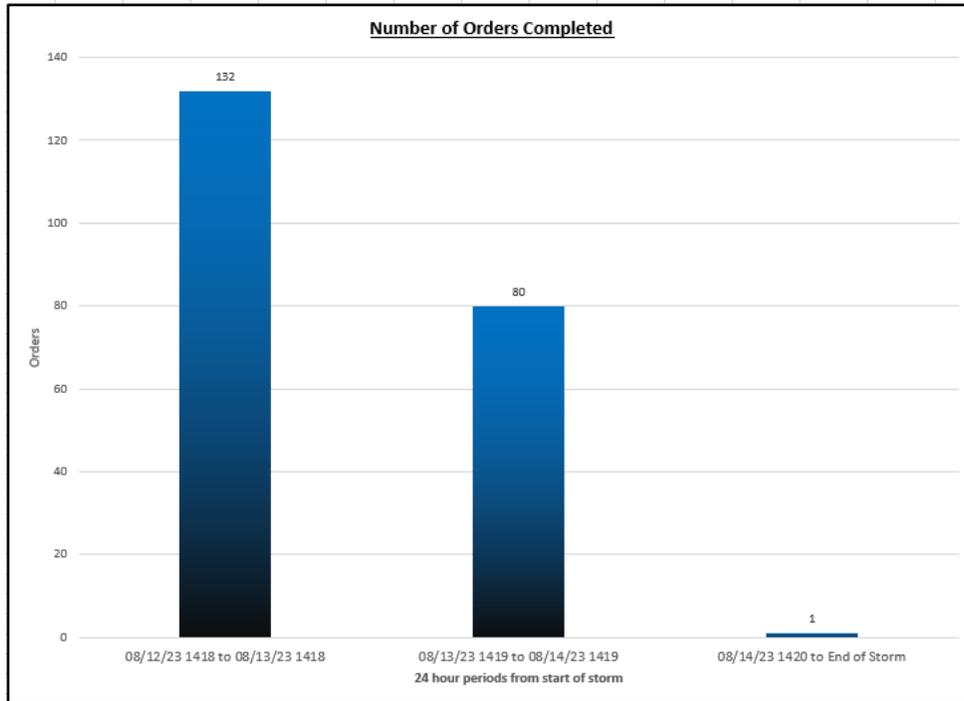
**Graphic 2: 24-Hour Total Precipitation: Thursday, July 20, 2023**



**Attachment C: Restoration Curve**



**Attachment D: Order Restoration Graphs**



**Attachment E: Meteorologist Reports**

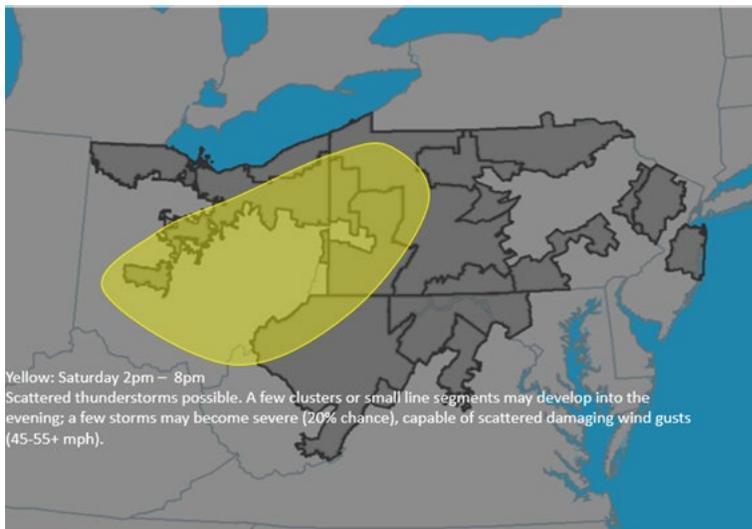
**Thursday, August 10, 2023 @ 1157**

Initial forecast for potential thunderstorm activity across western FE on Saturday afternoon and evening. A cold front moving through the area will likely cause scattered storm activity, some of which may be severe and be capable of pockets of scattered damaging wind gusts.

See graphic below for further information.

**Next Update by 11am Friday**

Workoff - 716 397 4430



**Friday, August 11, 2023 @ 1005**

**Update:**

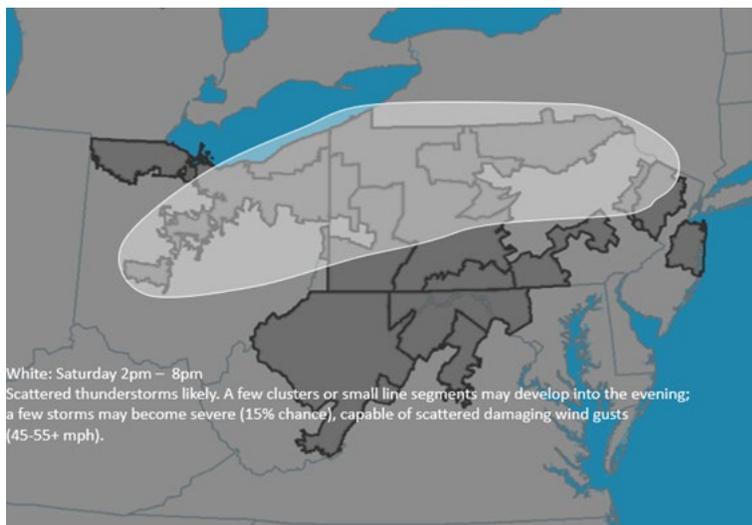
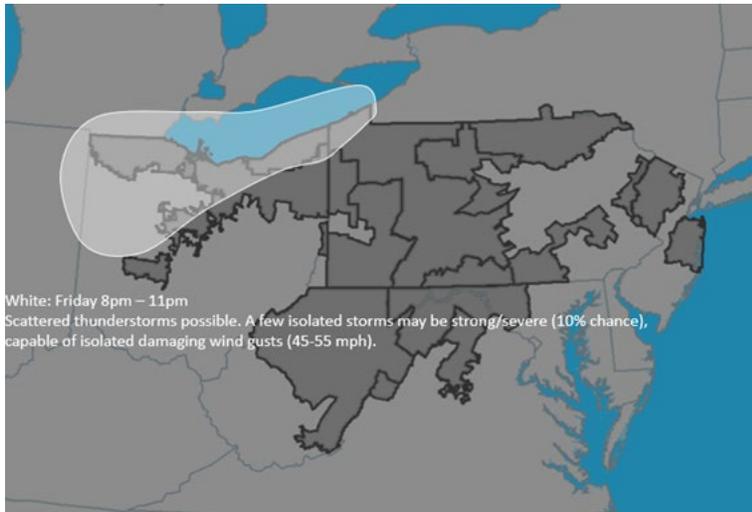
Friday: Added a low risk of isolated/widely scattered storms for late Friday evening across far western FE.

Saturday: Generally expanded the risk area to include areas of northern PA and NJ. Slightly reduced the overall risk—this is due to storms are expected to be scattered across the broad area; conditions will generally support strong storms capable of damaging gusts in locations where storms do develop.

**Next Update by 11am Saturday**

Workoff - 716 397 4430

Manousos – 330 396 0059



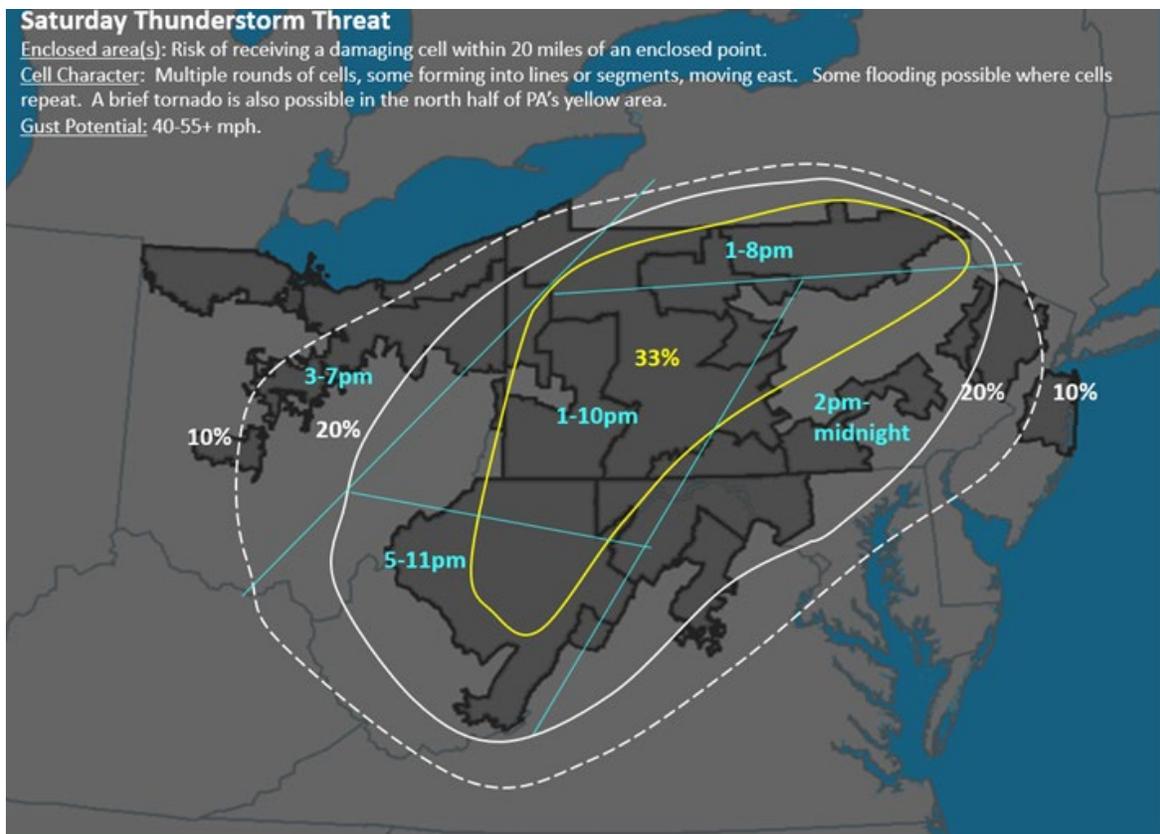
**Saturday, August 12, 2023 @ 0826**

**Changes:** Expanded threat area and added details to timing and risk. Blue outlines are most likely time windows. Confidence is below normal with this panel, in particular with how widespread damaging cells will occur and exact timing.

We are also monitoring a system for FE-West and perhaps part of FE South Monday but will need to wait for more guidance to arrive to provide details. An alert for Monday's threat, should it be needed, will be issued tomorrow.

**Final Update Unless Changes Needed This Afternoon**

Manousos – 330 396 0059 (limited availability until 1pm today)

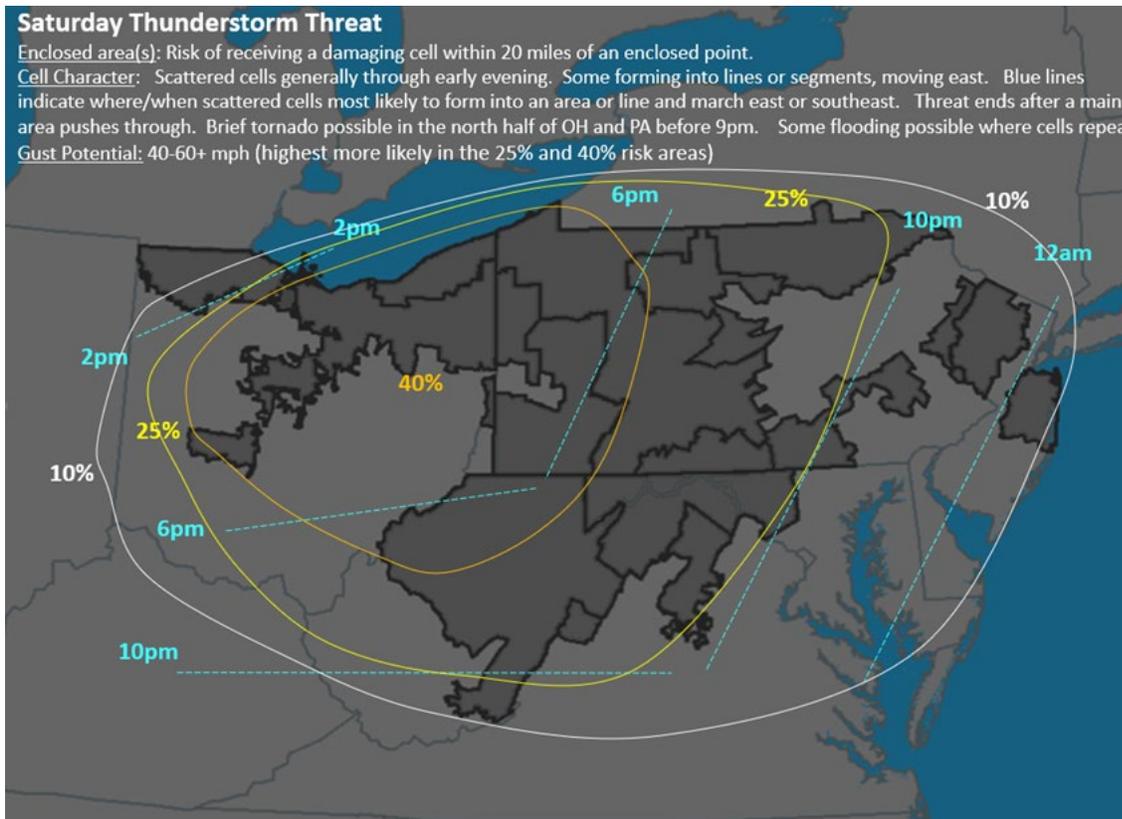


**Saturday, August 12, 2023 @ 1402**

**Changes:** Heavily modified areas and risk levels based on ongoing storm formation at time of this issuance. Scattered cells anywhere within the 10%+ area (most of FE) through evening with the exception of where cells likely to organize and push through (timing given by blue lines and leading to higher risk levels as indicated). Confidence is below normal with how far south and east the 40% area extends.

**Final Update Unless Further Changes Needed**

Manousos – 330 396 0059



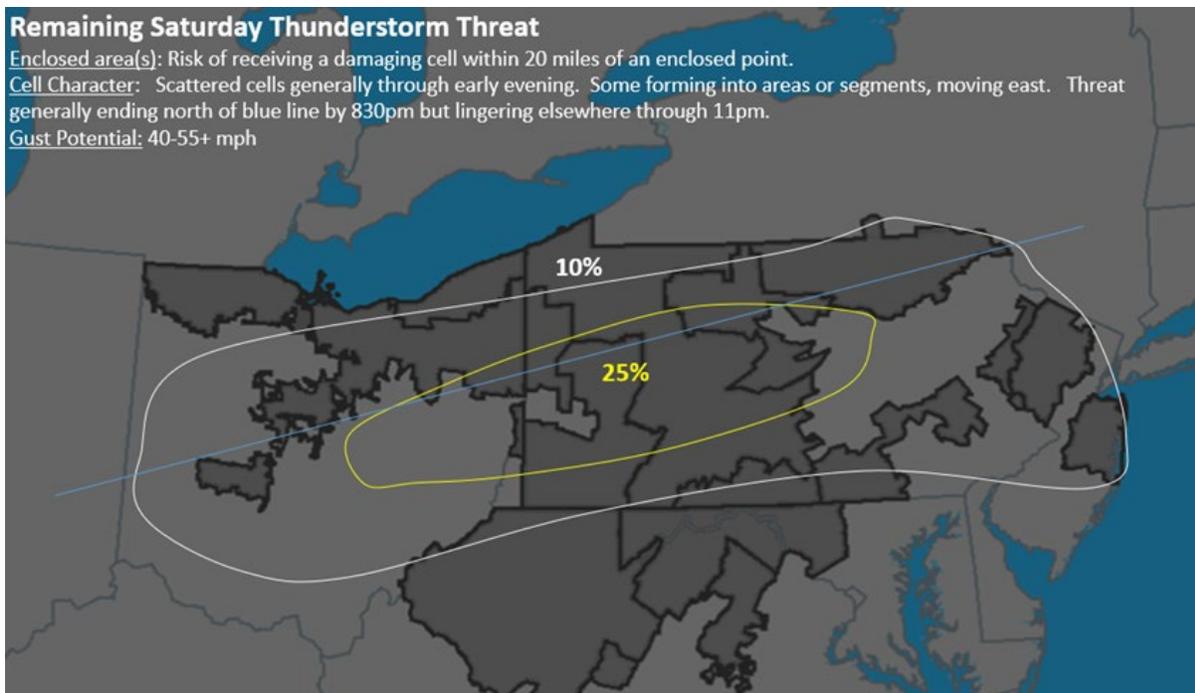
**Saturday, August 12, 2023 @ 1836**

**Changes:** Cells much less organized than previously expected leading to elimination of south part of previous threat area, reduction of risk levels, and region of highest damage potential.

Cells lasting past 11pm although producing some lightning and heavy rain are not expected to produce wind damage.

**Final Update – Unless Further Changes Needed**

Manousos – 330 396 0059



**Saturday, August 12, 2023 @ 1956**

**Changes:** Following progression of the damaging weather, removed areas no longer under threat. Given new area of cells that formed in OH had to extend slightly south threat area into north WV and include mention of a tornado through 11pm.

As mentioned in previous alert, cells lasting past 11pm although producing some lightning and heavy rain are not expected to produce wind damage but may produce flooding in the west half of PA, northern WV, and northwest MD.

**Final Update**

Manousos – 330 396 0059

