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July 26, 2021

**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 July 11, 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 11, 2021                                      2240  
*(Date)*    *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 18,417 (Represents 3.2% 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	5,614	37	36
Bradford	6	3	8
Cambria	257	5	20
Centre	9	1	2
Clarion	438	6	2
Clearfield	7,088	38	7
Crawford	1,243	5	3
Erie	156	5	16
Franklin	1	1	0
Huntingdon	1	1	1
Indiana	779	11	6
Jefferson	105	7	5
Lycoming	4	2	2
McKean	1	1	2
Mifflin	363	5	3
Somerset	2,214	23	10
Sullivan	15	1	0
Susquehanna	21	3	6
Tioga	12	1	1
Venango	43	4	6
Warren	33	2	2
Wayne	13	1	0
Wyoming	1	1	1
<b>Total</b>	<b>18,417</b>	<b>164</b>	<b>139</b>

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 56

(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 Sunday afternoon on July 11, 2021, and continuing into the late evening, strong thunderstorms passed through the Penelec service territory producing heavy rain and wind gusts in excess of 50-miles per hour. See Attachment B for the maximum wind gusts for July 11, 2021 and 24-hour total precipitation for July 11 and July 12, 2021.

Damage as a result of the high winds included downed trees/power lines, damaged and broken poles/crossarms and damaged equipment. The Altoona and Clearfield areas were the hardest hit; however, the high winds impacted the entire service territory. Approximately 48.1% of the total outages that occurred in the Penelec service territory were tree-related.

Preliminary data indicate the reliability impact of the storm was 7 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 234 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 1500 on July 12, 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	68	Line Workers
<b>Subtotal</b>	<b>68</b>	
Davey Tree	4	Forestry Contractor
Hazlett Tree	2	Forestry Contractor
PennLine Services	11	Forestry Contractor
TreeSmiths	8	Forestry Contractor
<b>Subtotal</b>	<b>25</b>	
Penelec	22	Supporting Roles
<b>Subtotal</b>	<b>22</b>	
<b>Grand Total</b>	<b>115</b>	

- (i) The date and time of the first information of a service interruption: July 11, 2021 at 1330.
- (j) The date and time that repair crews were assembled: Crews were assembled at 1331 on July 11, 2021 after the first outage was reported.
- (k) The actual time that service was restored to the last affected customer: July 12, 2021 at 1708. Additionally, Penelec was able to restore approximately 77.6% of the impacted customers in less than six hours.
- (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	56
Secondary Spans Replaced	47
Crossarms Replaced	75
Cutouts Replaced	49
Poles Replaced	27
Transformers Replaced	28
Wire & Cable Replaced (feet)	5,028

(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 customer 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>
11662633-1	Blair	1	1,284	07/11/2021 1506	07/12/2021 1230
11662633-1	Blair	1	1,284	07/11/2021 1506	07/12/2021 1230
11663529-1	Clearfield	99	1,263	07/11/2021 1652	07/12/2021 1355
11662984-3	Somerset	2	1,252	07/11/2021 1803	07/12/2021 1455
11663001-2	Blair	1	1,248	07/11/2021 1817	07/12/2021 1505
11662784-1	Clearfield	91	1,236	07/11/2021 1650	07/12/2021 1326
11662739-1	Clearfield	31	1,200	07/11/2021 1650	07/12/2021 1250
11662927-2	Blair	1	1,144	07/11/2021 1751	07/12/2021 1255
11663130-2	Blair	38	976	07/11/2021 1834	07/12/2021 1050
11663434-1	Blair	2	950	07/11/2021 1817	07/12/2021 1007
11663493-2	Erie	49	938	07/11/2021 2304	07/12/2021 1442
11662842-1	Blair	346	910	07/11/2021 1719	07/12/2021 0829
11663314-1	Cambria	1	909	07/11/2021 1921	07/12/2021 1030
11663314-1	Cambria	5	909	07/11/2021 1921	07/12/2021 1030
11662842-1	Blair	62	895	07/11/2021 1719	07/12/2021 0814
11663671-1	Blair	1	894	07/11/2021 1848	07/12/2021 0942
11663692-1	Blair	3	850	07/12/2021 0159	07/12/2021 1609
11663000-2	Blair	5	849	07/11/2021 1816	07/12/2021 0825
11663360-2	Mifflin	11	737	07/11/2021 1954	07/12/2021 0811
11662732-1	Jefferson	43	718	07/11/2021 1642	07/12/2021 0440
11663365-2	Mifflin	340	667	07/11/2021 1936	07/12/2021 0643
11663242-1	Clearfield	130	641	07/11/2021 1629	07/12/2021 0310
11662842-1	Blair	84	641	07/11/2021 1719	07/12/2021 0400
11663016-2	Clearfield	39	640	07/11/2021 1818	07/12/2021 0458
11663016-2	Clearfield	22	637	07/11/2021 1818	07/12/2021 0455
11663734-2	Venango	11	631	07/12/2021 0331	07/12/2021 1402
11663241-1	Clearfield	671	617	07/11/2021 1653	07/12/2021 0310
11663245-1	Clearfield	184	617	07/11/2021 1653	07/12/2021 0310
11662852-1	Blair	8	607	07/11/2021 1728	07/12/2021 0335
11663016-2	Clearfield	66	596	07/11/2021 1818	07/12/2021 0414
11663016-2	Clearfield	24	594	07/11/2021 1818	07/12/2021 0412
11663016-2	Clearfield	135	594	07/11/2021 1818	07/12/2021 0412
11663323-1	Clarion	51	531	07/11/2021 1931	07/12/2021 0422

<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.

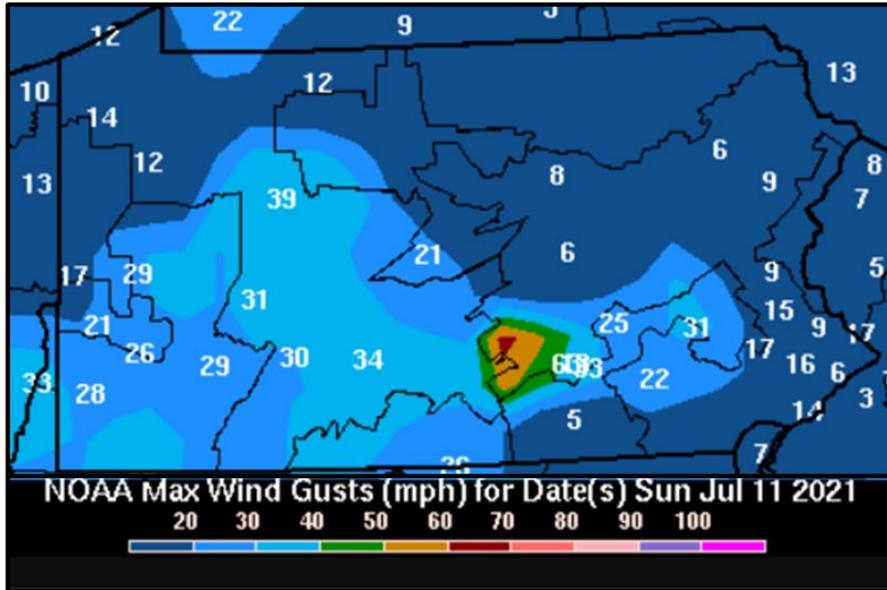
Penelec Storm Report

<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>
11663423-1	Cambria	1	518	07/11/2021 2122	07/12/2021 0600
11663242-1	Clearfield	7	502	07/11/2021 1629	07/12/2021 0051
11663242-1	Clearfield	67	500	07/11/2021 1629	07/12/2021 0049
11663242-1	Clearfield	76	496	07/11/2021 1629	07/12/2021 0045
11663418-1	Somerset	1	494	07/11/2021 1805	07/12/2021 0219
11663242-1	Clearfield	162	494	07/11/2021 1629	07/12/2021 0043
11663417-1	Susquehanna	4	487	07/11/2021 2115	07/12/2021 0522
11662840-1	Somerset	4	470	07/11/2021 1725	07/12/2021 0115
11662842-1	Blair	84	450	07/12/2021 0059	07/12/2021 0829
11662981-1	Jefferson	1	438	07/11/2021 1802	07/12/2021 0120
11662842-1	Blair	224	435	07/12/2021 0059	07/12/2021 0814
11663374-2	Indiana	19	434	07/11/2021 2005	07/12/2021 0319
11662991-1	Blair	1	425	07/11/2021 1725	07/12/2021 0030
11662843-1	Blair	35	423	07/11/2021 1722	07/12/2021 0025
11663328-1	Somerset	5	408	07/11/2021 1932	07/12/2021 0220
11663555-1	Blair	1	393	07/11/2021 1907	07/12/2021 0140
11663016-2	Clearfield	297	388	07/11/2021 1818	07/12/2021 0046
11662900-2	Somerset	193	379	07/11/2021 1745	07/12/2021 0004
11662812-1	Blair	238	379	07/11/2021 1720	07/11/2021 2339
11662845-1	Blair	64	372	07/11/2021 1716	07/11/2021 2328
11662736-1	Clearfield	67	371	07/11/2021 1625	07/11/2021 2236
11663760-1	Blair	7	363	07/12/2021 0555	07/12/2021 1158
11663415-1	Lycoming	2	361	07/11/2021 2109	07/12/2021 0310

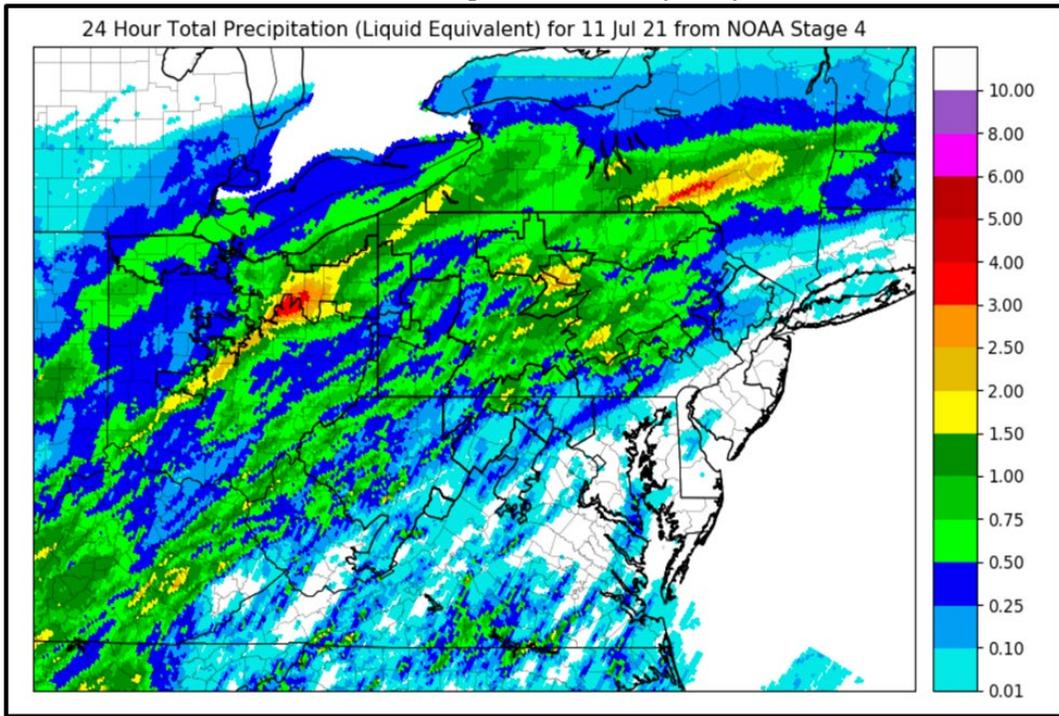
**Attachment B: FirstEnergy Wind and Precipitation Report**

**Wind & Precipitation Report:** Graphic 1 illustrates the maximum wind gusts in the Penelec service territory on July 11, 2021. Graphics 3 and 4 illustrate the 24-Hour Total Precipitation on July 11 and July 12, 2021. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

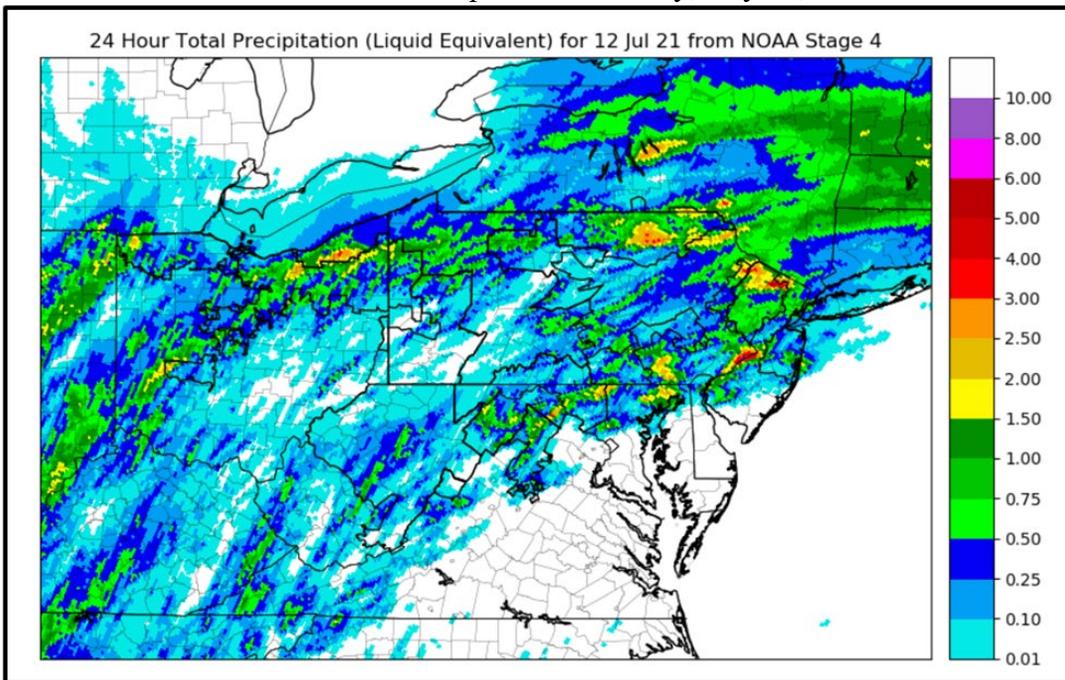
Maximum Wind Gusts: Sunday, July 11, 2021



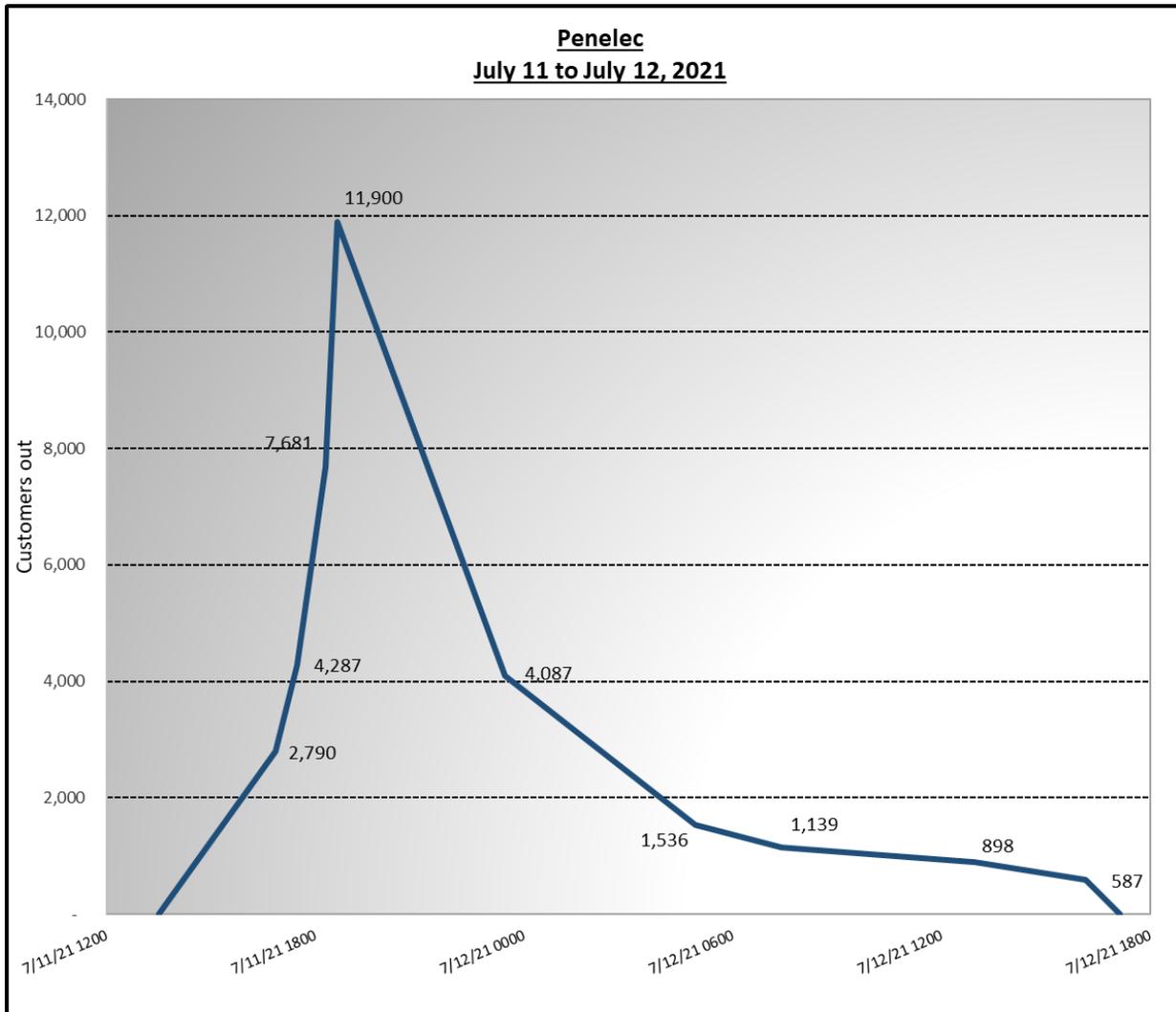
### 24-Hour Total Precipitation: Sunday, July 11, 2021



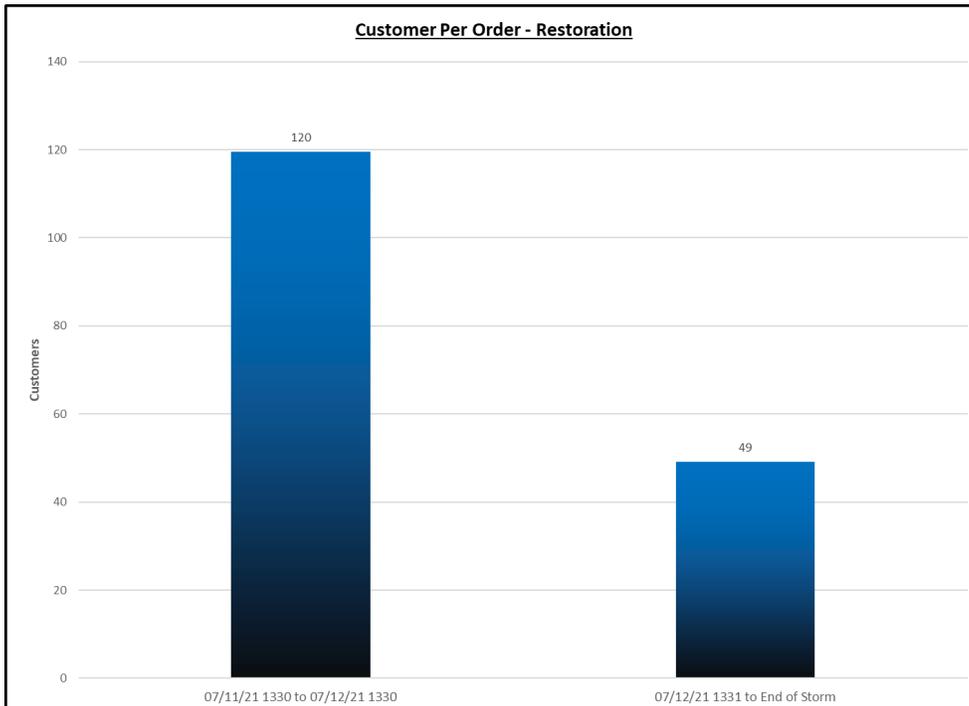
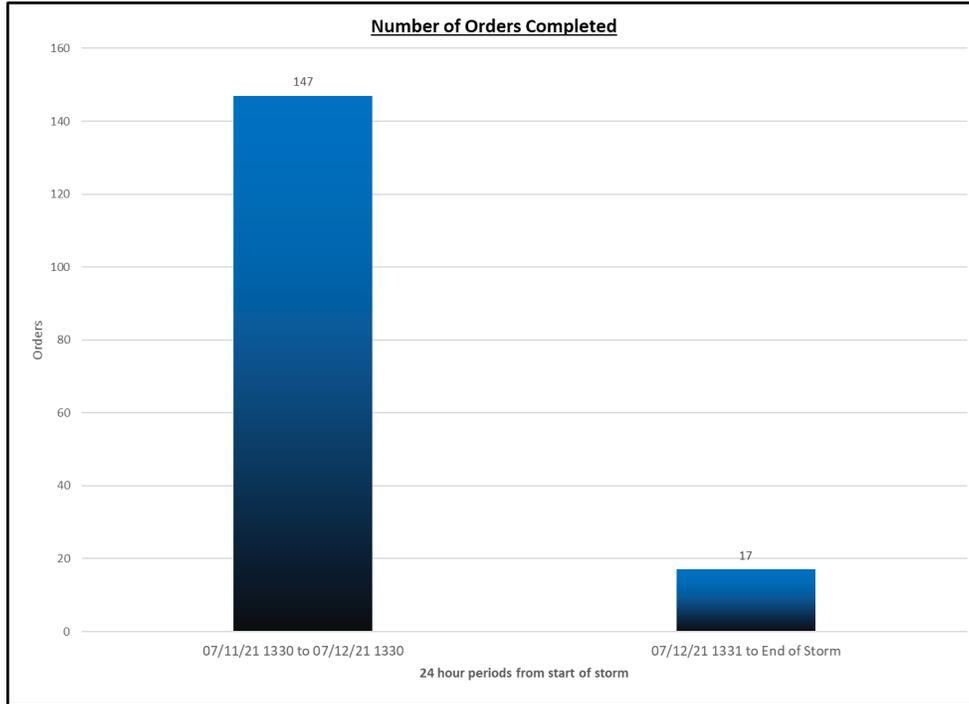
### 24-Hour Total Precipitation: Monday, July 12, 2021



**Attachment C: Restoration Curve**



**Attachment D: Order Restoration Graphs**



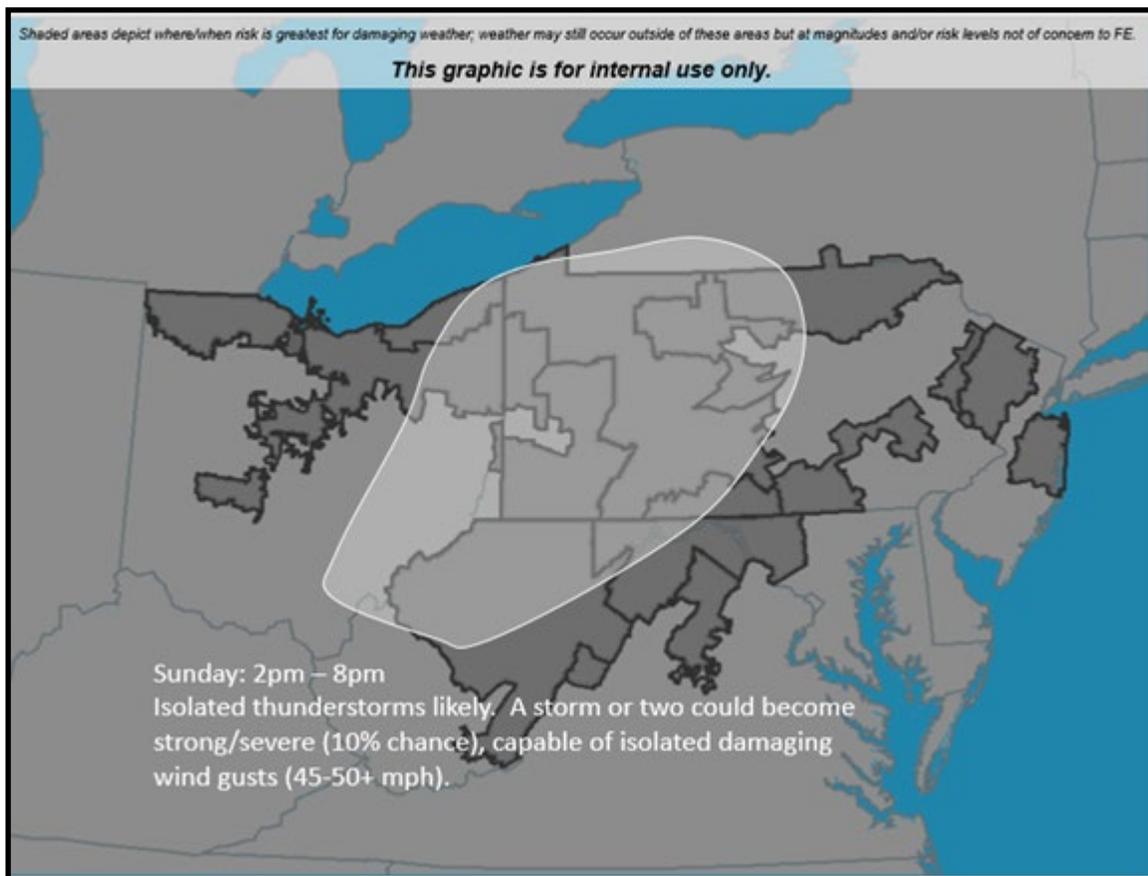
**Attachment E: FirstEnergy Meteorologist Reports**

**Sunday, June 11 @ 0909**

**New Issuance:**

A few strong thunderstorms will be possible across areas of OH, PA, WV and MD Sunday afternoon. Cloudy/rainy conditions will work to suppress storms, but a few strong storms could break through and develop later in the afternoon and evening. Storm coverage is expected to be isolated at best, with a few isolated damaging wind gusts the main threat.

See graphic for more information.

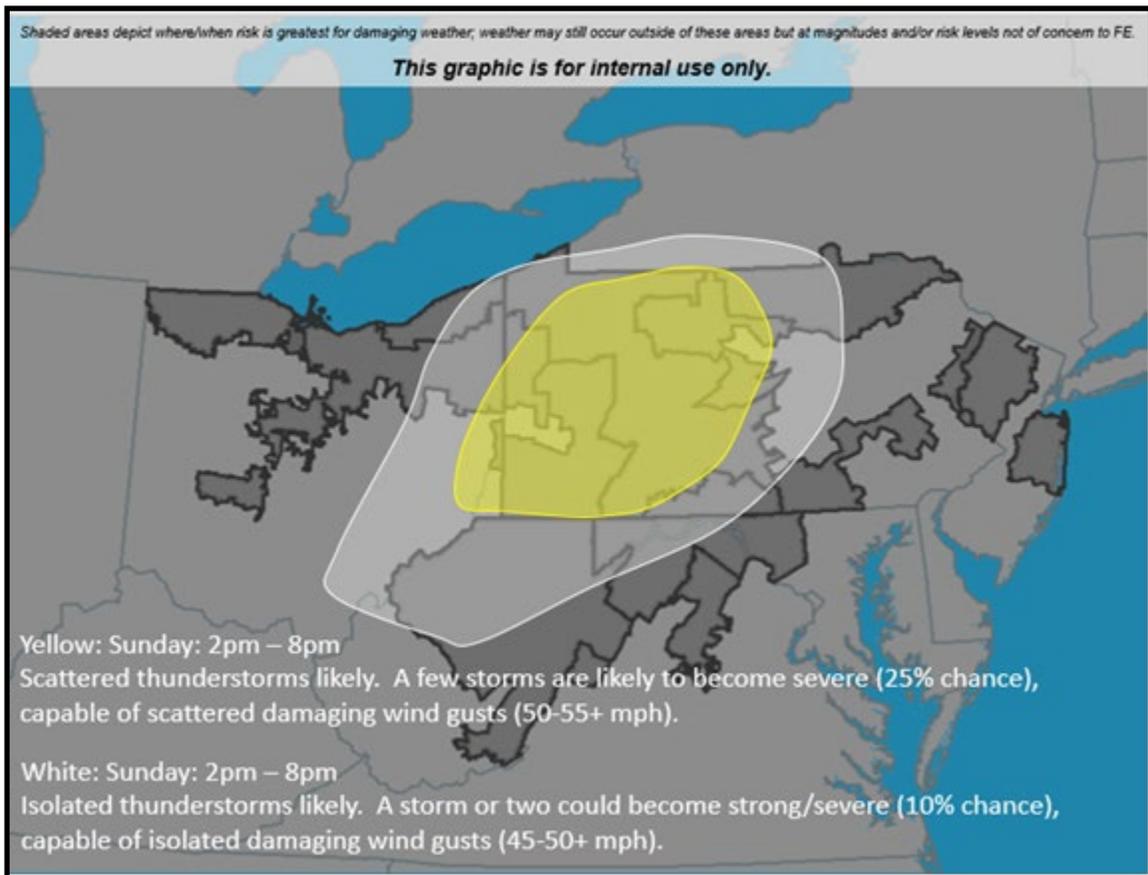


**Sunday, July 11, 2021 @ 1252**

**Update:**

Increasing the risk for strong storms across a portion of far eastern OH, western PA and the WV panhandle; persistent sunshine across the region has enhanced thunderstorm potential this afternoon. A few severe thunderstorms are now expected across this region, moving west-to-east through the late afternoon and evening.

See graphic for more information.



**Monday, July 12, 2021 @ 1020**

**New Issuance:** Threats for today and tomorrow provided below. We are also monitoring a minor threat for FirstEnergy East on Wednesday. Confidence is below normal for both panels due to the lack of a significant and trackable mechanism to drive storm development.

Note that although the capacity for a cell to produce damaging gusts will diminish after 8pm tonight, cells with locally heavy rain and lightning may persist in the 20% risk area (especially the east half of that area) through 3am.

