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July 16, 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 June 29, 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:

June 30, 2021 0411
(Date) *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 23,146 (Represents 4.0% 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	18	1	5
Blair	134	3	9
Bradford	1,706	24	14
Cambria	932	13	19
Centre	1	1	0
Clarion	54	3	4
Clearfield	2,381	23	16
Crawford	1,991	21	12
Erie	347	26	37
Forest	106	5	2
Franklin	112	4	1
Huntingdon	2	2	0
Indiana	3,082	24	9
Jefferson	464	16	7
Lycoming	1,598	9	1
McKean	15	4	4
Mifflin	64	5	7
Potter	27	3	1
Somerset	1,544	12	9
Sullivan	21	2	1
Susquehanna	782	15	10
Tioga	882	19	8
Venango	530	21	11
Warren	765	13	11
Wayne	1	1	2
Westmoreland	14	1	0
Wyoming	5,573	29	6
Total	23,146	300	206

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 93

(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 Tuesday afternoon, June 29, 2021, warm temperatures and sufficient moisture ahead of a slow-moving cold front brought

thunderstorm activity across the state on June 29 and 30. The cold front passed through the service territory on July 1, triggering additional thunderstorms. The front formed a storm system which produced sustained high winds with maximum winds gusts in excess of 40-miles per hour. See Attachment B for the maximum wind gusts for June 29 and June 30, 2021 and 24-hour total precipitation for June 29, June 30, and July 1, 2021.

Damage as a result of the high winds included downed trees/power lines and damaged and broken poles/crossarms. The Towanda, DuBois, and Oil City areas were the hardest hit; however, the high winds impacted the entire service territory. Approximately 35% of the total outages that occurred in the Penelec service territory were tree-related.

Preliminary data indicate the reliability impact of the storm was 8.7 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 217.8 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 1400 on July 1, 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	154	Line Workers
Subtotal	154	
Davey Tree	25	Forestry Contractor
Asplundh Tree	13	Forestry Contractor
PennLine Services	12	Forestry Contractor
TreeSmiths	32	Forestry Contractor
Townsend Tree	6	Forestry Contractor
Lewis Tree	10	Forestry Contractor
Subtotal	98	
Penelec	51	Supporting Roles
Subtotal	51	
Grand Total	303	

- (i) The date and time of the first information of a service interruption: June 29, 2021 at 1932.

- (j) The date and time that repair crews were assembled: Crews were on duty and were held over with additional crews called in as the storms commenced.
- (k) The actual time that service was restored to the last affected customer: July 01, 2021 at 2324. Additionally, Penelec was able to restore approximately 81.3% 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	115
Secondary Spans Replaced	61
Crossarms Replaced	24
Cutouts Replaced	20
Poles Replaced	2
Transformers Replaced	10
Wire & Cable Replaced (feet)	150

- (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 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
11628119-2	Jefferson	2	1,785	06/30/2021 0453	07/01/2021 1038
11631969-1	Indiana	1	1,568	06/30/2021 1509	07/01/2021 1717
11627205-1	Venango	1	1,559	06/29/2021 2001	06/30/2021 2200
11629260-2	Wyoming	258	1,490	06/30/2021 1641	07/01/2021 1731
11629260-2	Wyoming	333	1,484	06/30/2021 1641	07/01/2021 1725
11629566-1	Wyoming	1	1,355	06/30/2021 1740	07/01/2021 1615
11627131-1	Venango	1	1,340	06/29/2021 1942	06/30/2021 1802
11627092-1	Clearfield	2	1,288	06/29/2021 1932	06/30/2021 1700
11627592-2	Erie	1	1,284	06/29/2021 2136	06/30/2021 1900
11630763-1	Clarion	9	1,280	06/30/2021 1817	07/01/2021 1537
11629303-1	Indiana	3	1,265	06/30/2021 1705	07/01/2021 1410
11627679-2	Forest	9	1,243	06/29/2021 2117	06/30/2021 1800
11629837-1	Venango	1	1,218	06/30/2021 1853	07/01/2021 1511
11627405-1	Clearfield	1	1,211	06/29/2021 2041	06/30/2021 1652
11627459-2	Venango	5	1,204	06/29/2021 2051	06/30/2021 1655
11629175-2	Clearfield	2	1,173	06/30/2021 1617	07/01/2021 1150
11631025-1	Indiana	5	1,145	06/30/2021 1616	07/01/2021 1121
11630745-1	Bradford	23	1,138	06/30/2021 1554	07/01/2021 1052
11636794-1	Indiana	36	1,112	06/30/2021 1648	07/01/2021 1120
11627453-1	Erie	81	1,097	06/29/2021 2040	06/30/2021 1457
11630740-1	Bradford	101	1,066	06/30/2021 1554	07/01/2021 0940
11630570-2	Blair	15	1,034	06/30/2021 2157	07/01/2021 1511
11629175-2	Clearfield	10	1,030	06/30/2021 1617	07/01/2021 0927
11628115-1	Tioga	48	1,019	06/29/2021 2116	06/30/2021 1415
11627172-1	Venango	3	988	06/29/2021 1952	06/30/2021 1220
11627434-1	Forest	37	984	06/29/2021 2046	06/30/2021 1310
11629217-1	Indiana	7	949	06/30/2021 1636	07/01/2021 0825
11630788-1	Erie	1	942	06/30/2021 2038	07/01/2021 1220
11627137-3	Venango	22	931	06/29/2021 1946	06/30/2021 1117
11627569-3	Lycoming	818	905	06/29/2021 2125	06/30/2021 1230
11627850-1	Wyoming	3	894	06/29/2021 2336	06/30/2021 1430
11627569-3	Lycoming	35	881	06/29/2021 2134	06/30/2021 1215
11627361-2	Clearfield	5	879	06/29/2021 2032	06/30/2021 1111

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
11627984-2	Wyoming	5	877	06/29/2021 2330	06/30/2021 1407
11627641-1	Warren	1	818	06/29/2021 2146	06/30/2021 1124
11628076-1	Tioga	23	808	06/29/2021 2112	06/30/2021 1040
11627776-1	Venango	4	765	06/29/2021 2335	06/30/2021 1220
11630664-1	Bradford	6	736	06/30/2021 1616	07/01/2021 0432
11628049-2	Indiana	220	731	06/30/2021 0155	06/30/2021 1406
11631328-1	Venango	1	708	07/01/2021 0212	07/01/2021 1400
11627572-1	Venango	45	676	06/29/2021 2124	06/30/2021 0840
11627942-1	Bradford	294	655	06/30/2021 0045	06/30/2021 1140
11627889-1	Venango	24	645	06/30/2021 0020	06/30/2021 1105
11627997-3	Crawford	15	622	06/30/2021 0138	06/30/2021 1200
11631565-1	Jefferson	2	612	07/01/2021 1312	07/01/2021 2324
11627784-2	Tioga	2	594	06/29/2021 2336	06/30/2021 0930
11627965-1	Tioga	3	582	06/30/2021 0115	06/30/2021 1057
11628183-1	Tioga	4	579	06/29/2021 2349	06/30/2021 0928
11628111-2	Crawford	7	578	06/30/2021 0442	06/30/2021 1420
11628058-1	Bradford	23	571	06/30/2021 0219	06/30/2021 1150
11629271-1	Wyoming	25	544	06/30/2021 1652	07/01/2021 0156
11630776-2	Venango	70	538	07/01/2021 0212	07/01/2021 1110
11628168-1	Tioga	12	531	06/30/2021 0502	06/30/2021 1353
11629297-1	Bradford	1	527	06/30/2021 1702	07/01/2021 0149
11627569-3	Lycoming	129	526	06/29/2021 2134	06/30/2021 0620
11630539-2	Bradford	4	526	06/30/2021 2135	07/01/2021 0621
11628307-1	Bradford	1	522	06/29/2021 2344	06/30/2021 0826
11627850-1	Wyoming	1	517	06/29/2021 2336	06/30/2021 0813
11627569-3	Lycoming	69	486	06/29/2021 2134	06/30/2021 0540
11627423-1	Crawford	11	483	06/29/2021 2042	06/30/2021 0445
11630776-2	Venango	31	480	07/01/2021 0310	07/01/2021 1110
11627850-1	Wyoming	76	479	06/29/2021 2336	06/30/2021 0735
11627874-2	Susquehanna	83	472	06/29/2021 2338	06/30/2021 0730
11629672-1	Franklin	1	468	06/30/2021 1814	07/01/2021 0202
11630843-1	Clearfield	10	458	07/01/2021 0447	07/01/2021 1225
11628119-1	Jefferson	1	452	06/30/2021 0453	06/30/2021 1225
11629816-1	Susquehanna	7	450	06/30/2021 1851	07/01/2021 0221
11628931-1	Jefferson	76	450	06/30/2021 1505	06/30/2021 2235
11628060-1	Tioga	1	449	06/30/2021 0033	06/30/2021 0802
11629251-1	Jefferson	12	440	06/30/2021 1645	07/01/2021 0005
11627892-1	Tioga	1	438	06/30/2021 0104	06/30/2021 0822

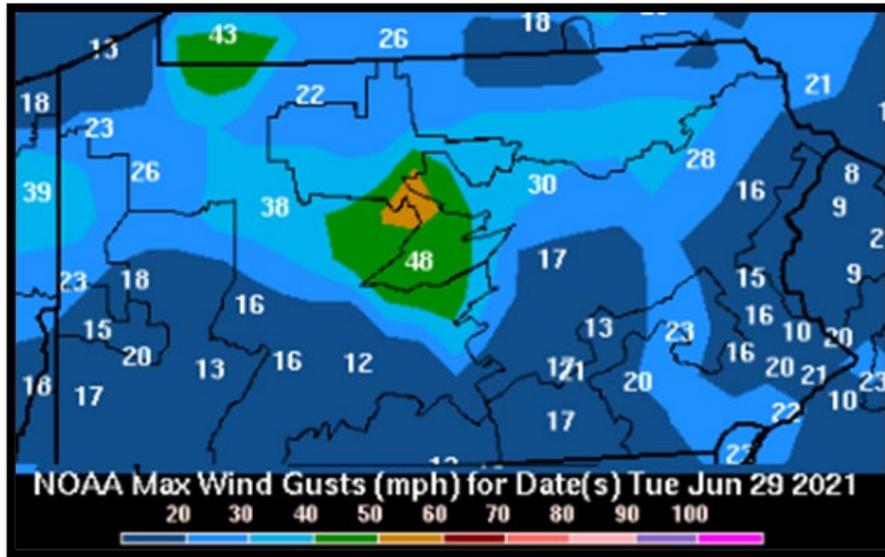
Penelec Storm Report

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
11627984-1	Wyoming	170	435	06/29/2021 2330	06/30/2021 0645
11628644-1	Erie	56	432	06/30/2021 1237	06/30/2021 1949
11629306-1	Bradford	9	427	06/30/2021 1617	06/30/2021 2324
11628244-1	Bradford	1	425	06/30/2021 0755	06/30/2021 1500
11627596-1	Forest	16	425	06/29/2021 2140	06/30/2021 0445
11629045-2	Somerset	2	418	06/30/2021 1558	06/30/2021 2256
11631093-1	Clearfield	2	417	07/01/2021 0913	07/01/2021 1610
11628536-1	Warren	1	416	06/30/2021 1119	06/30/2021 1815
11627092-1	Clearfield	10	409	06/29/2021 1932	06/30/2021 0221
11629088-1	Potter	11	403	06/30/2021 1602	06/30/2021 2245
11628886-1	Indiana	161	398	06/30/2021 1446	06/30/2021 2124
11628683-1	Crawford	8	397	06/30/2021 1254	06/30/2021 1931
11629025-1	Bradford	98	396	06/30/2021 1554	06/30/2021 2230
11630871-1	Susquehanna	3	395	07/01/2021 0555	07/01/2021 1230
11629706-1	Sullivan	20	390	06/30/2021 1814	07/01/2021 0044
11628683-1	Crawford	76	386	06/30/2021 1254	06/30/2021 1920
11628690-1	Erie	4	376	06/30/2021 1301	06/30/2021 1917
11627137-2	Venango	24	372	06/29/2021 1946	06/30/2021 0158
11627679-1	Forest	39	370	06/29/2021 2117	06/30/2021 0327
11627984-1	Wyoming	176	366	06/29/2021 2330	06/30/2021 0536
11629000-1	Jefferson	260	364	06/30/2021 1541	06/30/2021 2145
11628172-1	Sullivan	1	362	06/30/2021 0643	06/30/2021 1245

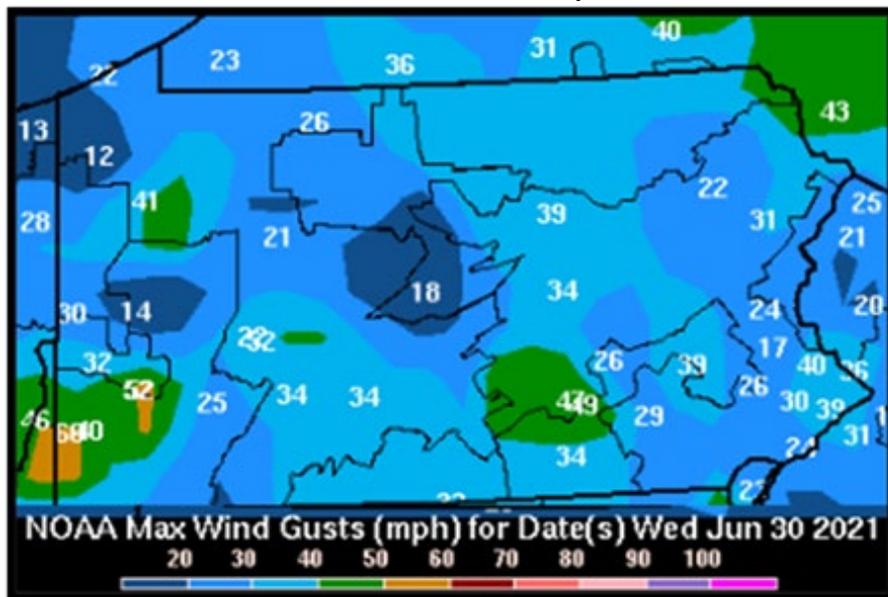
Attachment B: FirstEnergy Wind and Precipitation Report

Wind & Precipitation Report: Graphics 1 and 2 illustrate the maximum wind gusts in the Penelec service territory on June 29, 2021 and June 30, 2021. Graphics 3, 4 and 5 illustrate the 24-Hour Total Precipitation on June 29, June 30, and July 1, 2021. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

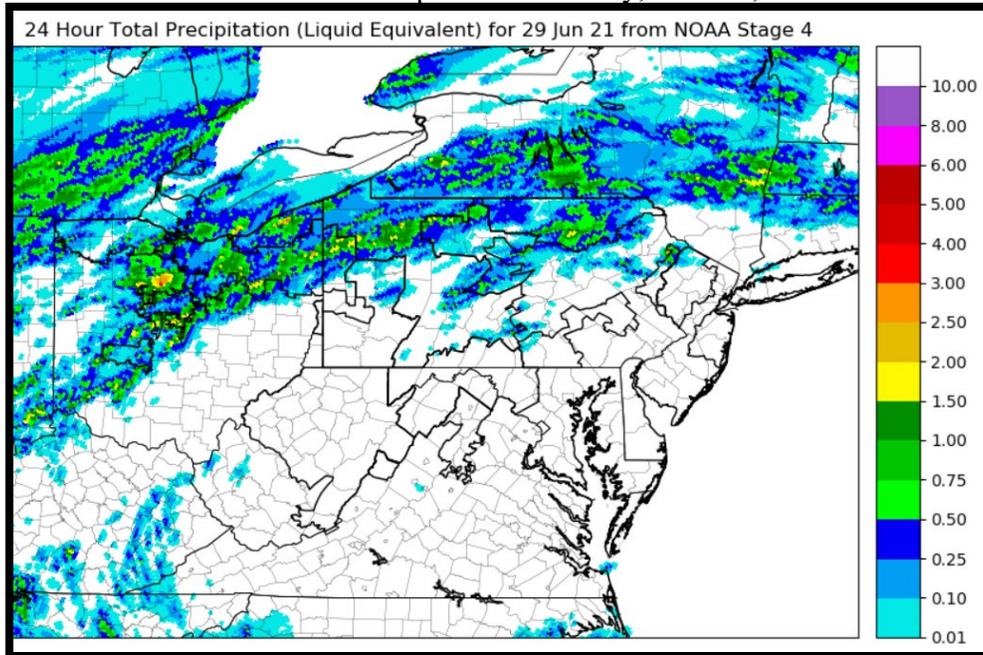
Maximum Wind Gusts: Tuesday, June 29, 2021



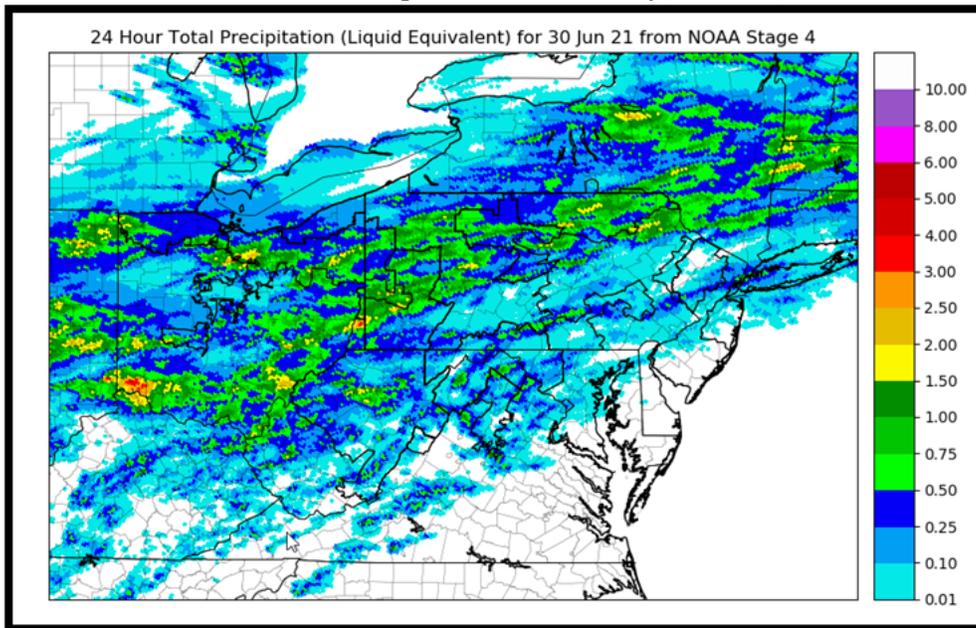
Maximum Wind Gusts: Wednesday, June 30, 2021



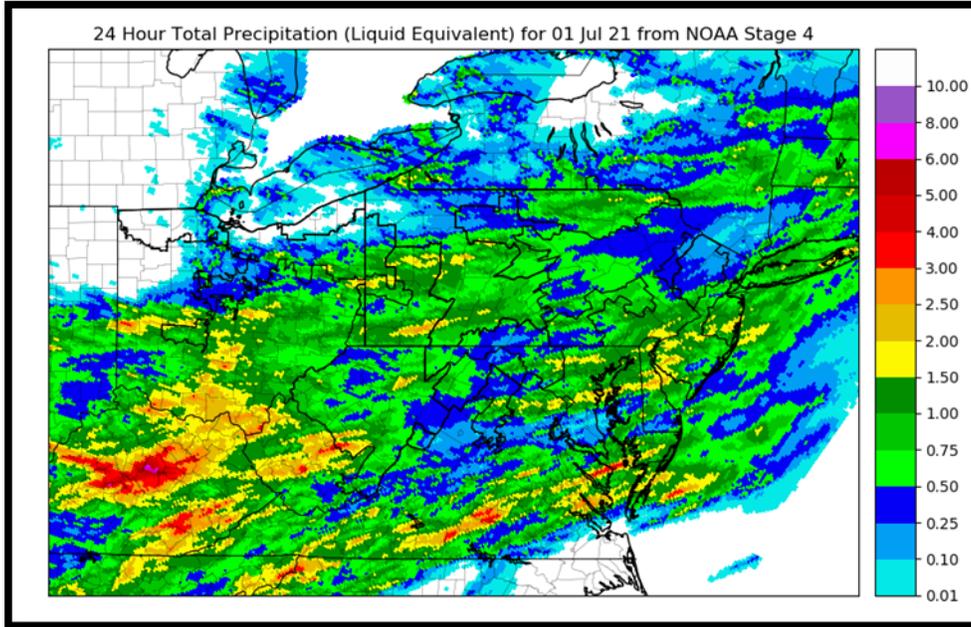
24-Hour Total Precipitation: Tuesday, June 29, 2021



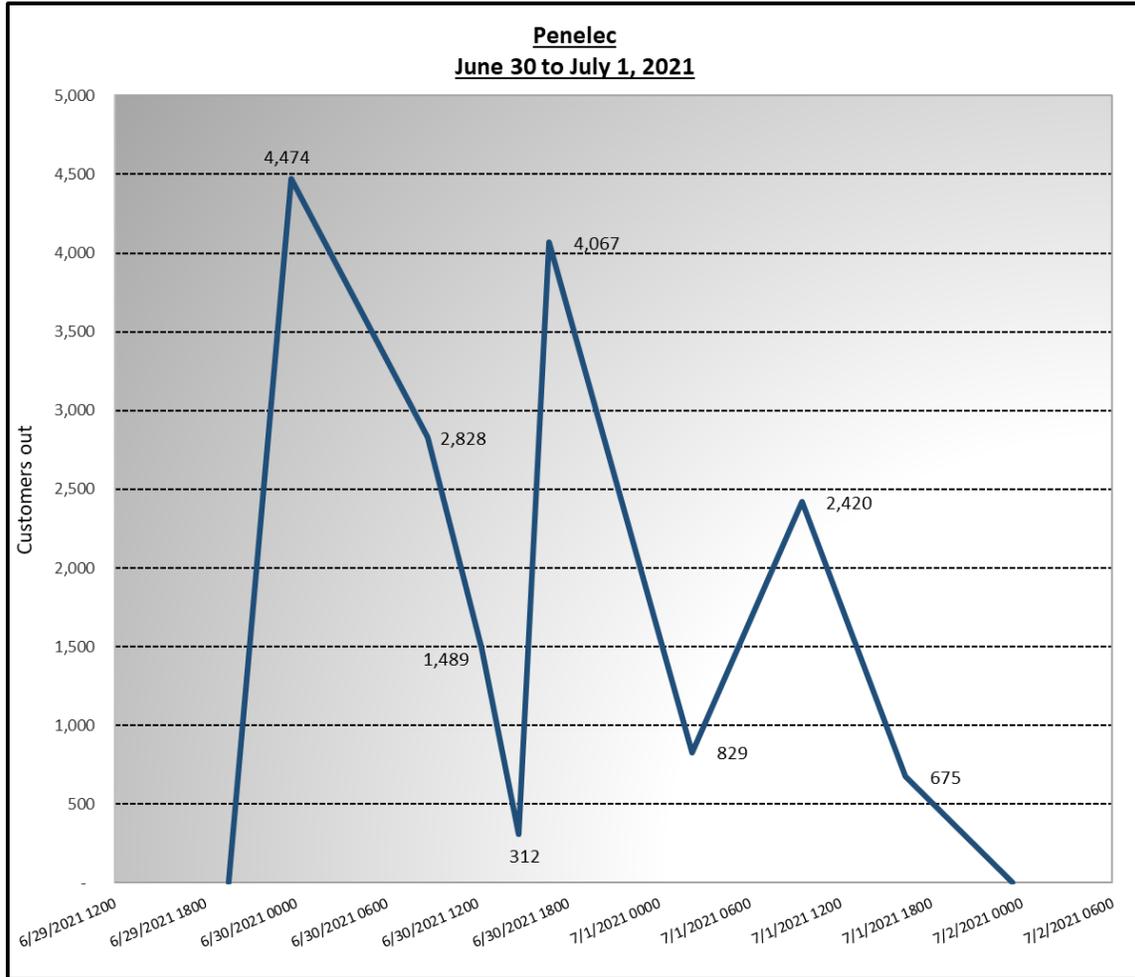
24-Hour Total Precipitation: Wednesday, June 30, 2021



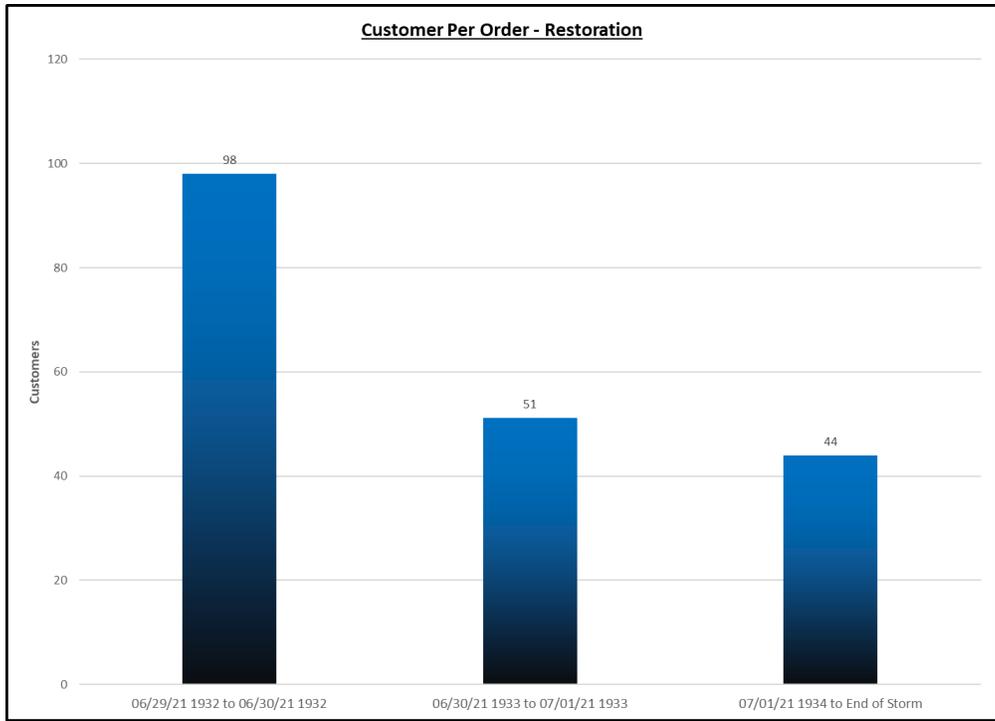
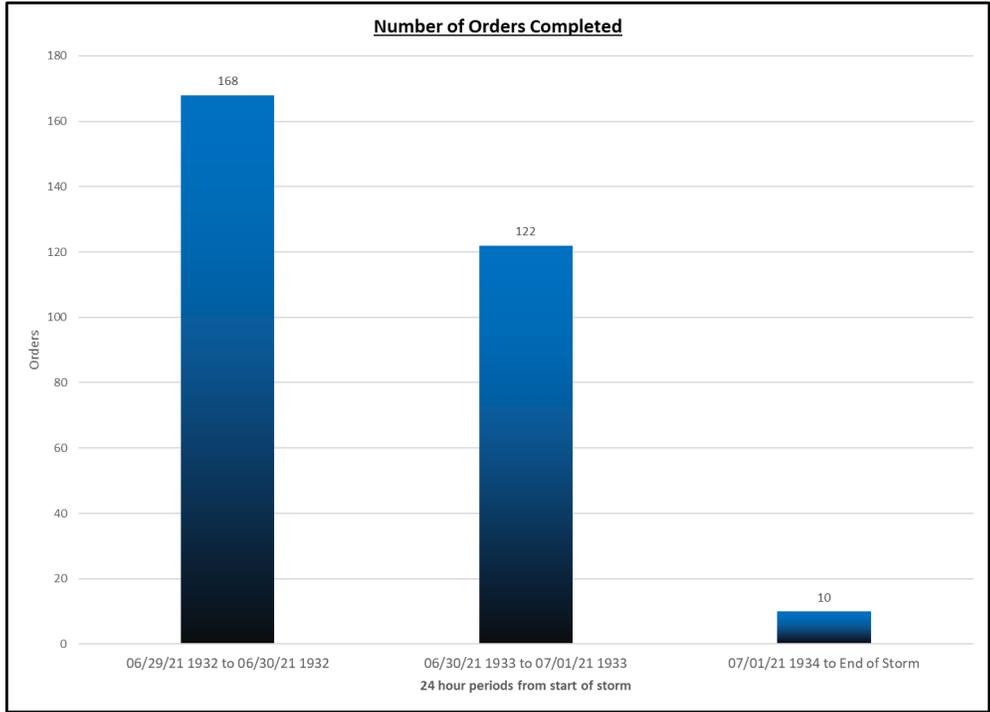
24-Hour Total Precipitation: Thursday, July 1, 2021



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs

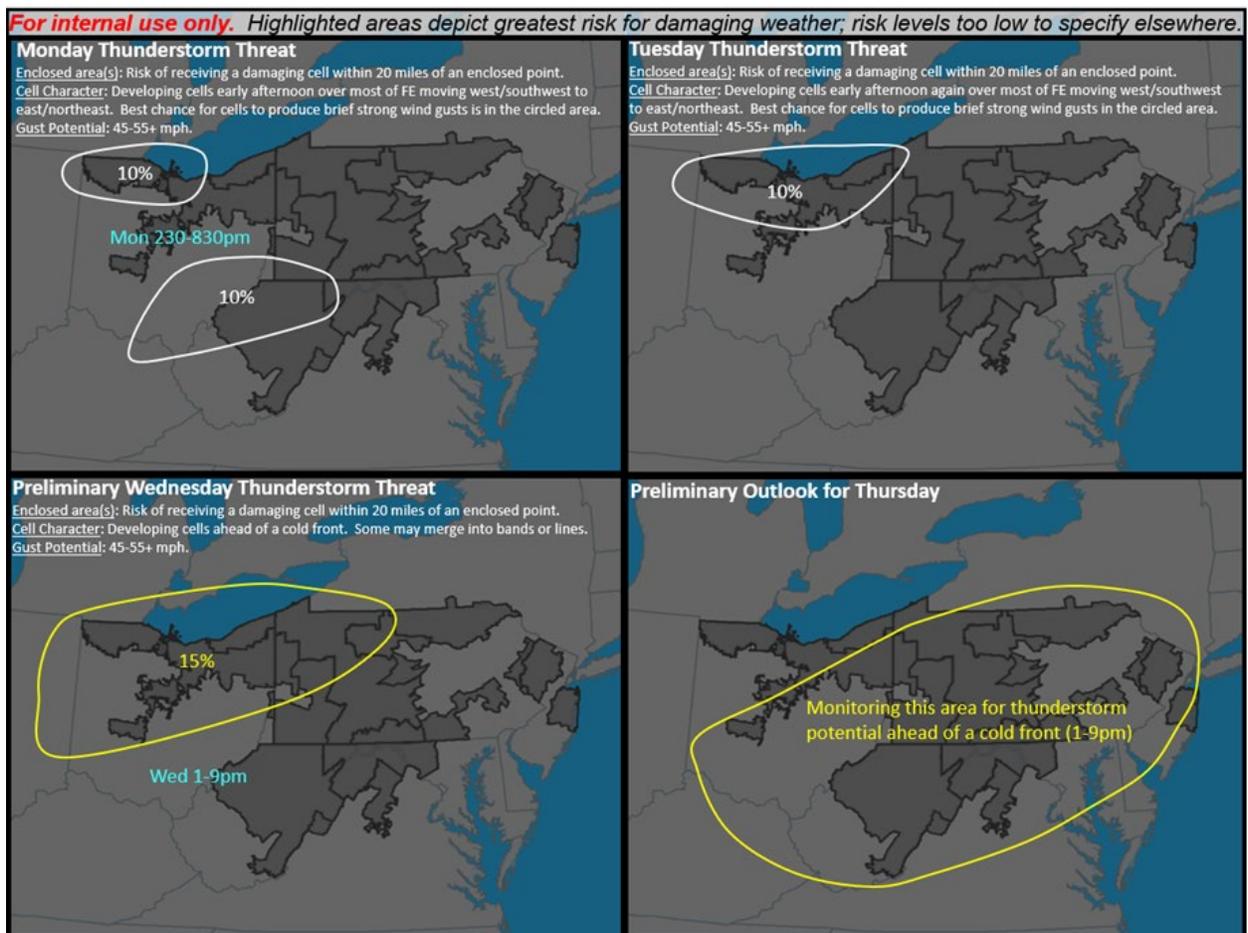


Attachment E: FirstEnergy Meteorologist Reports

Monday June 28, 2021 @ 1028

New Issuance: Small thunderstorm threats for today (Monday) and tomorrow (Tuesday). Risks begin to increase and spread mid/late week ahead of a cold frontal passage.

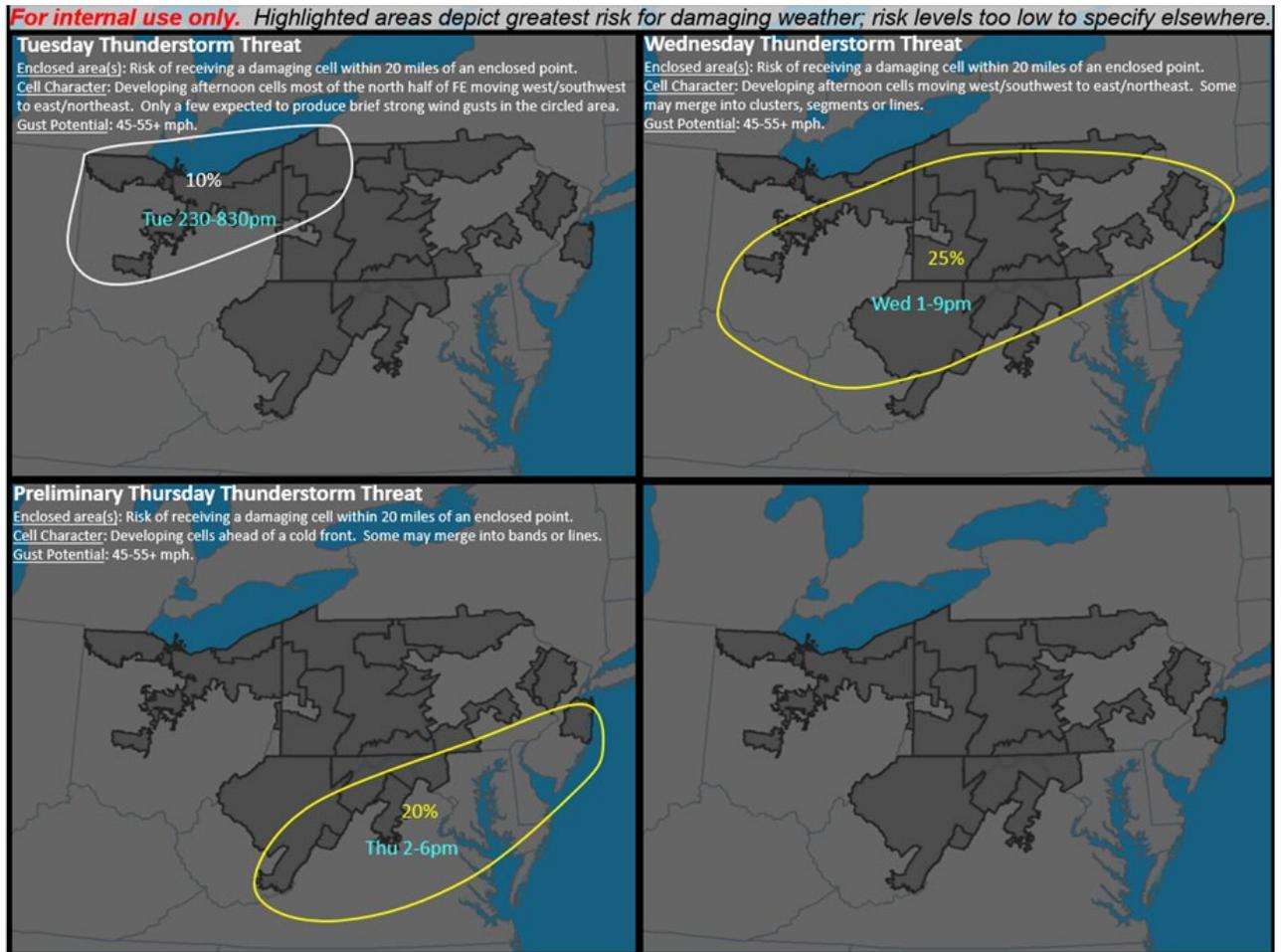
Note - the cold front has the potential to exit FirstEnergy by Friday morning. We will continue to monitor this frontal passage, but even though unsettled weather is expected through the weekend in most of FirstEnergy after the front passes, the risk for damaging weather looks to remain low through the holiday weekend.



Tuesday, June 29, 2021 @ 1005

Changes

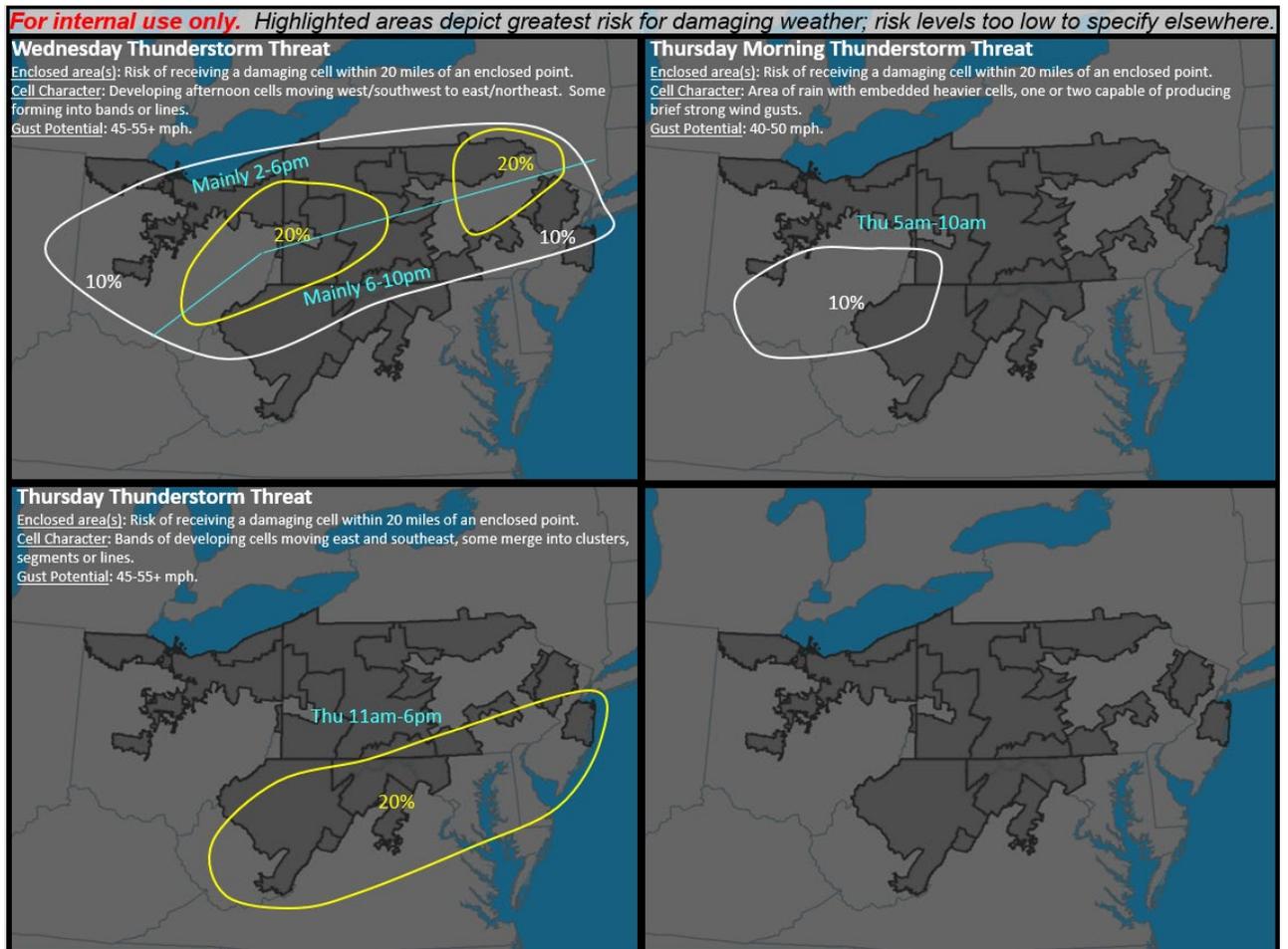
1. Expanded and shifted threat area for Wednesday.
2. Adjusted threat areas for Thursday.



Wednesday, June 30, 2021 @ 0937

Changes

1. Today (Wednesday). Added granularity to risk areas and timing. NOTE – the ongoing morning storms in western Ohio are not expected to be severe. Confidence is normal for this graphic.
2. Thursday. Added a morning threat. Then adjusted slightly north the risk area. Confidence is normal for both “Thursday” graphics.



Thursday, July 1, 2021 @ 0925

Changes

1. Today. Fine-tuned and added granularity to risk area. Confidence is normal for this panel.
2. Friday and Saturday. Added nuisance threats. Confidence is below normal for these panels since the risks are on the verge of being null-events and we do not expect the risk to rise above the levels indicated.
3. Sunday and Monday. Due to the holiday weekend, for situational awareness purposes, areas are outlined that are being monitored for afternoon cell potential. The outlines are not risks, but rather indications of the areas merely being monitored to see if an alertable risk emerges as we draw near to these particular days. Confidence is therefore by default below normal for this panel since details are not yet available to reasonably quantify a risk.

