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August 13, 2021

VIA ELECTRONIC 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 –
Metropolitan Edison Company; Docket No. M-2021-3023564**

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, Metropolitan Edison Company (“Met-Ed”) submits written notification of completed restoration efforts following an interruption that began July 28, 2021 that caused multiple service interruptions in the Met-Ed 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) 921-6658.

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, Pennsylvania 17105-3265

1. Reporting Utility: Metropolitan Edison Company ("Met-Ed")
Address: 800 Cabin Hill Drive
Greensburg, PA 15601

2. Name and title of person making report:

Scott Wyman
(Name)

President, Pennsylvania Operations
(Title)

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

4. Date and time report was made to Commission:

July 28, 2021
(Date)

2236
(Time)

5. Interruption or Outage:

(a) Number of customers affected: 9,840 (Represents 1.7% of Met-Ed'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
Adams	2	1	8
Berks	1,162	21	17
Bucks	156	3	2
Chester	49	1	3
Cumberland	4	2	1
Dauphin	4	1	0
Lebanon	1	1	3
Lehigh	70	3	2
Monroe	336	7	5
Northampton	177	9	7
Pike	11	1	3
York	7,868	53	56
Totals	9,840	103	107

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 39

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

(f) Reason for the interruption or outages: Late Wednesday afternoon, July 28, 2021, an isolated strong storm developed ahead of a cold front that moved across Pennsylvania, including the Med-Ed service territory. Although not confirmed, due to the type and extent of the damage, it is believed that this storm also contained a microburst. See Attachment B for the maximum wind gusts and 24-hour total precipitation for July 28. Note that there is no indication of a microburst on the maximum wind gust graphic; however, the actual radar and wind speeds (also shown in Attachment B) around the time of the potential microburst does reflect storm activity in the York area.

Damage as a result of the high winds included downed trees and power lines, broken poles and crossarms, and damaged transformers. The York district was the hardest hit. Approximately 59% of the total outages that occurred were tree related. The extent of the damage was concentrated in a small geographic area which resulted in an exceptionally cautious restoration effort for the safety of the repair crews and the public. Due to the concentrated nature of the damage and repair crews, the resulting restoration was slightly longer than it otherwise would have been absent those factors. Moreover, as affected areas were inspected, significant damage was discovered which required extended repair time.

Preliminary data indicate the reliability impact of the storm was 5.6 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 326.2 minutes.

(g) Projected time of restoration: July 29, 2021 at 1500.

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
Met-Ed	218	Line Workers
Subtotal	218	
Henkels & McCoy	11	Line Contractor
J.W. Didado	11	Line Contractor
Haugland	4	Line Contractor
Miller Brothers	17	Line Contractor
NG Gilbert	15	Line Contractor
Valiant	4	Line Contractor
Subtotal	62	
Lewis Tree	7	Forestry Contractor
Penn Line Services, Inc.	6	Forestry Contractor
Treesmiths	25	Forestry Contractor
Wright Tree Service - Ohio	8	Forestry Contractor
York Tree Service	6	Forestry Contractor
Nelson Tree Service	4	Forestry Contractor
Subtotal	56	
Met-Ed	31	Supporting Roles
Subtotal	31	
Grand Total	367	

(i) The date and time of the first information of a service interruption: July 28, 2021 at 1550.

(j) The date and time that repair crews were assembled: Crews were held over and additional crews were called in at approximately 1700 on July 28, 2021.

- (k) The actual time that service was restored to the last affected customer: July 30, 2021 at 0151. Met-Ed was able to restore approximately 63.1% of the impacted customers within 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	116
Secondary Spans Replaced	19
Crossarms Replaced	26
Cutouts Replaced	53
Poles Replaced	14
Transformers Replaced	6
Wire & Cable Replaced (FE)	1,612

- (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:

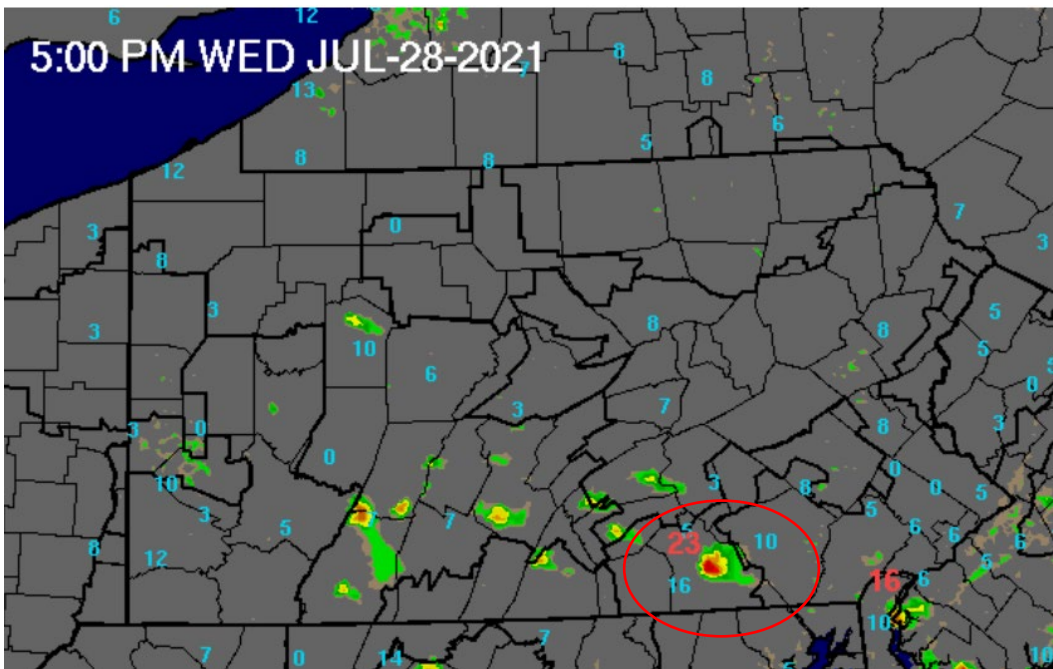
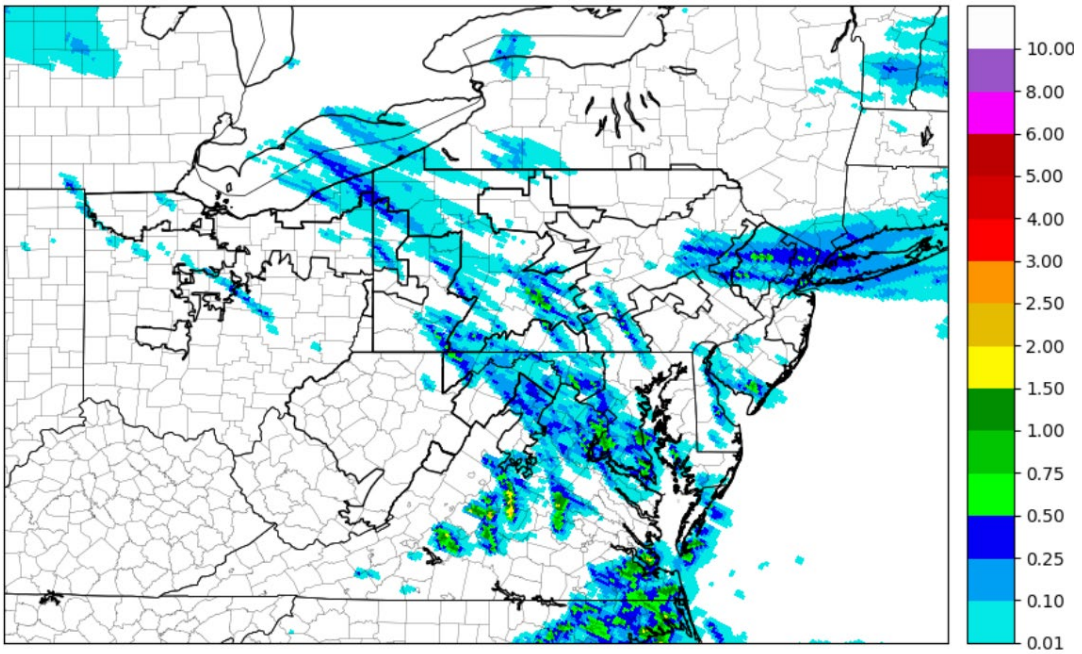
Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
11694754-5	York	41	1,970	07/28/2021 1701	07/30/2021 0151
11694754-4	York	30	1,723	07/28/2021 1701	07/29/2021 2144
11694794-3	York	9	1,617	07/28/2021 1740	07/29/2021 2037
11694754-4	York	5	1,582	07/28/2021 1701	07/29/2021 1923
11694795-4	York	1	1,509	07/28/2021 1919	07/29/2021 2028
11694371-4	York	239	1,393	07/28/2021 1654	07/29/2021 1607
11694312-4	York	5	1,373	07/28/2021 1652	07/29/2021 1545
11694345-5	York	1	1,373	07/28/2021 2231	07/29/2021 2124
11694369-3	York	41	1,367	07/28/2021 1701	07/29/2021 1548
11694843-1	York	4	1,265	07/29/2021 0032	07/29/2021 2137
11694345-5	York	2	1,231	07/28/2021 2231	07/29/2021 1902
11694345-5	York	11	1,154	07/28/2021 2231	07/29/2021 1745
11694345-5	York	16	1,142	07/28/2021 2231	07/29/2021 1733
11694506-4	York	2	1,134	07/28/2021 1740	07/29/2021 1234
11694307-2	York	6	1,108	07/28/2021 1651	07/29/2021 1119
11695167-1	York	10	1,065	07/28/2021 1820	07/29/2021 1205
11694275-2	York	4	1,018	07/28/2021 1642	07/29/2021 0940
11694655-1	York	1	1,016	07/28/2021 1936	07/29/2021 1232
11694793-1	York	17	934	07/28/2021 1656	07/29/2021 0830
11694846-1	York	1	932	07/29/2021 0041	07/29/2021 1613
11694823-2	York	4	924	07/28/2021 2236	07/29/2021 1400
11694292-3	York	205	630	07/28/2021 1651	07/29/2021 0321
11694571-2	Northampton	7	625	07/28/2021 1819	07/29/2021 0444
11694865-3	Monroe	74	573	07/29/2021 0116	07/29/2021 1049
11694458-2	Berks	1	566	07/28/2021 1717	07/29/2021 0243
11694196-1	York	19	520	07/28/2021 1550	07/29/2021 0030
11695540-1	Berks	87	519	07/29/2021 1616	07/30/2021 0055
11694312-1	York	755	511	07/28/2021 1652	07/29/2021 0123
11694312-1	York	39	510	07/28/2021 1652	07/29/2021 0122
11694438-1	York	1	508	07/28/2021 1712	07/29/2021 0140
11695712-1	Bucks	14	468	07/29/2021 1757	07/30/2021 0145

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.

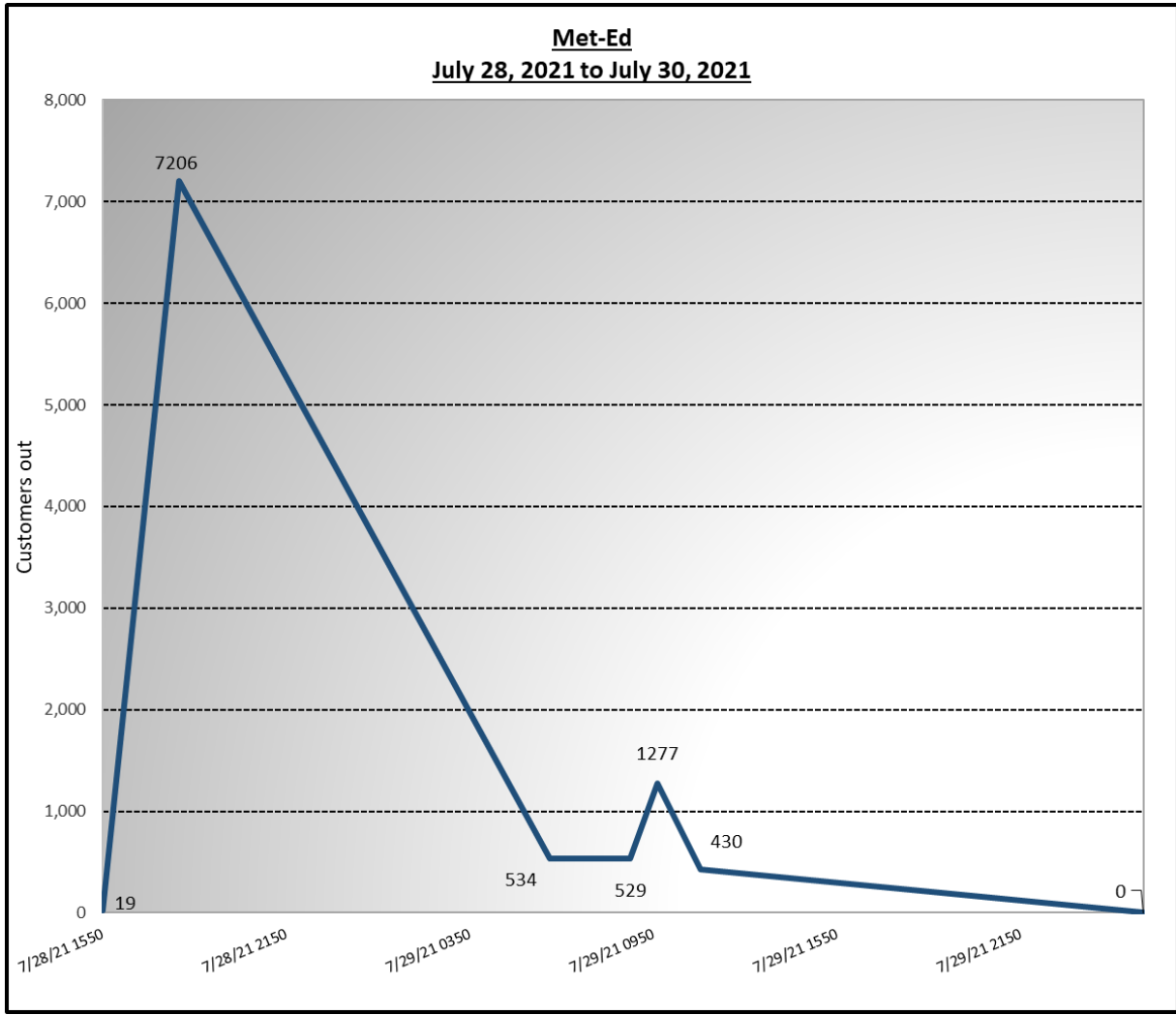
Met-Ed Storm Report

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
11694883-1	York	10	457	07/29/2021 0346	07/29/2021 1123
11695729-1	Lehigh	5	446	07/29/2021 1804	07/30/2021 0130
11694307-1	York	807	444	07/28/2021 1651	07/29/2021 0015
11694286-1	York	1	423	07/28/2021 1645	07/28/2021 2348
11694331-1	York	1005	420	07/28/2021 1652	07/28/2021 2352
11694312-1	York	89	416	07/28/2021 1652	07/28/2021 2348
11694787-1	York	52	386	07/28/2021 1708	07/28/2021 2334
11694828-1	York	10	373	07/29/2021 0014	07/29/2021 0627

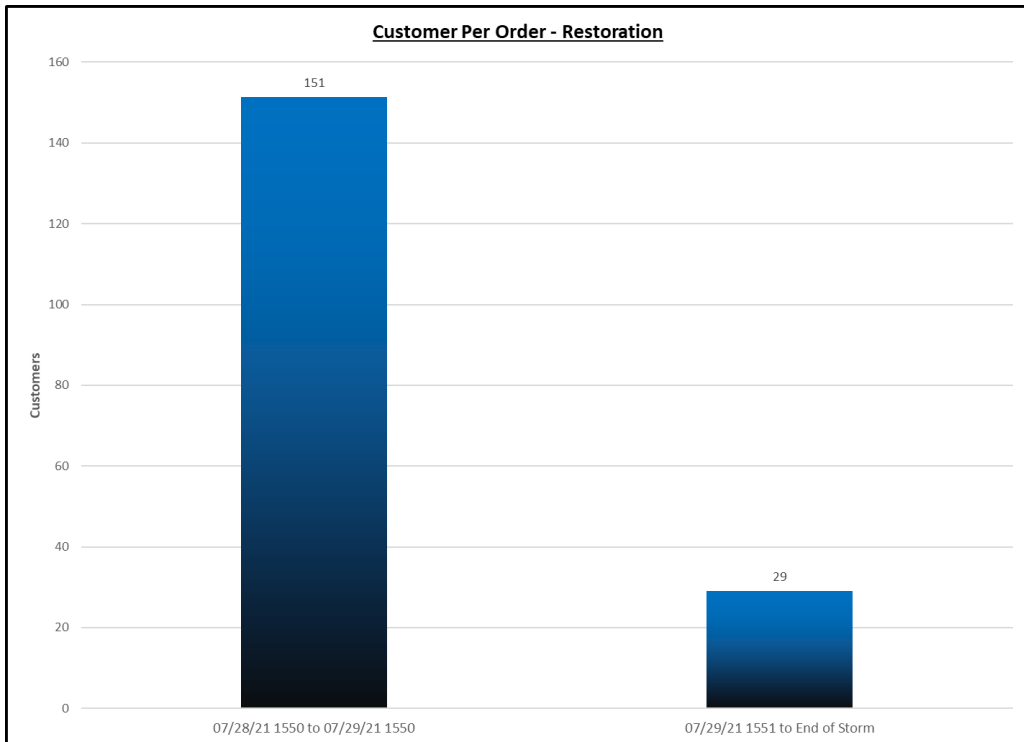
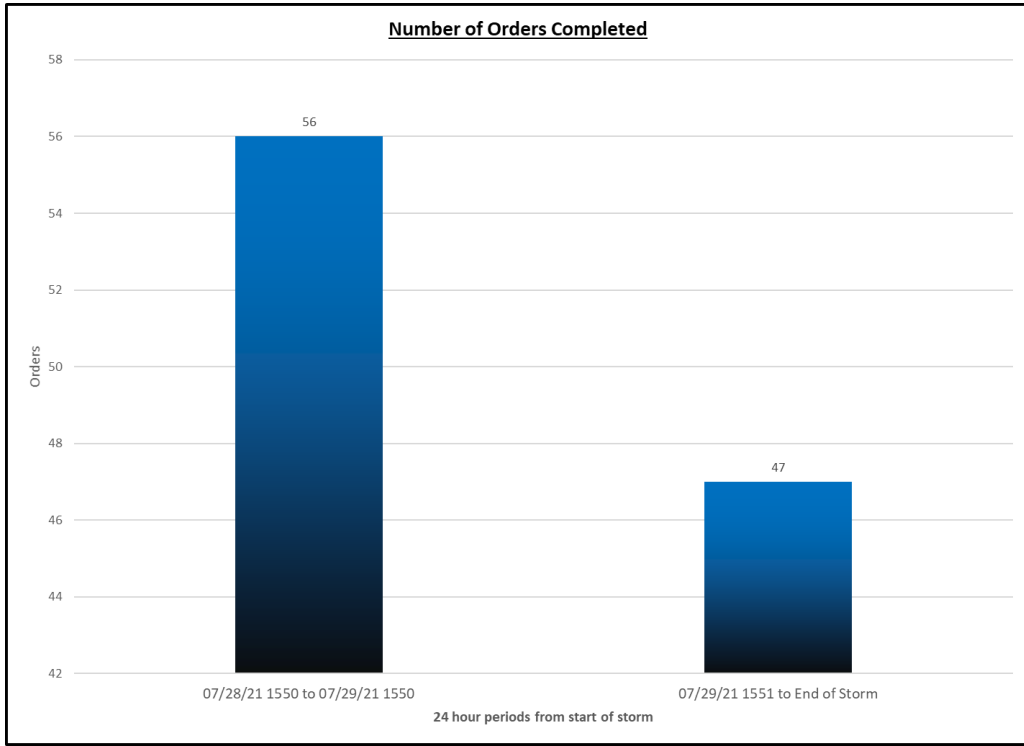
24 Hour Total Precipitation (Liquid Equivalent) for 28 Jul 21 from NOAA Stage 4



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: FirstEnergy Meteorologist Reports

Wednesday July 28, 2021 at 0840

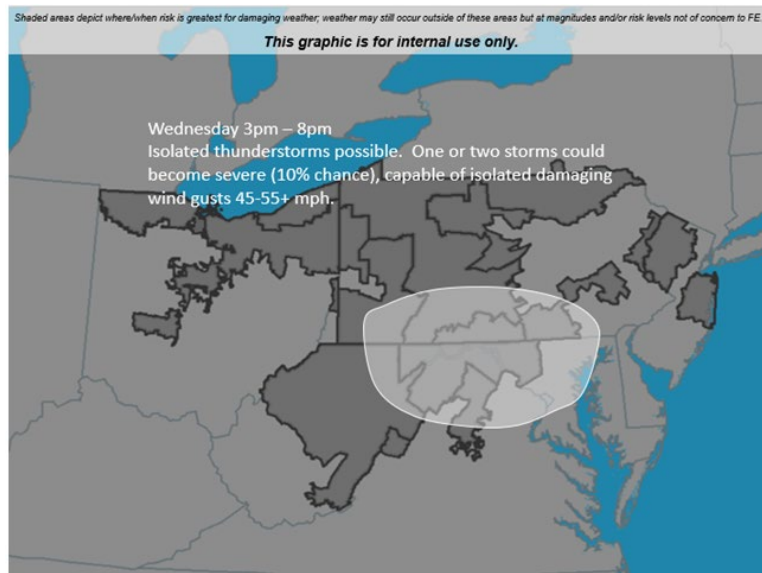
New Issuance: Several rounds of thunderstorms are expected to potentially impact FirstEnergy over the next two days.

Wednesday: A few isolated strong storms will be possible across southeastern FirstEnergy. Storm coverage is expected to very scattered—if storms develop at all—but a few damaging gusts will be possible.

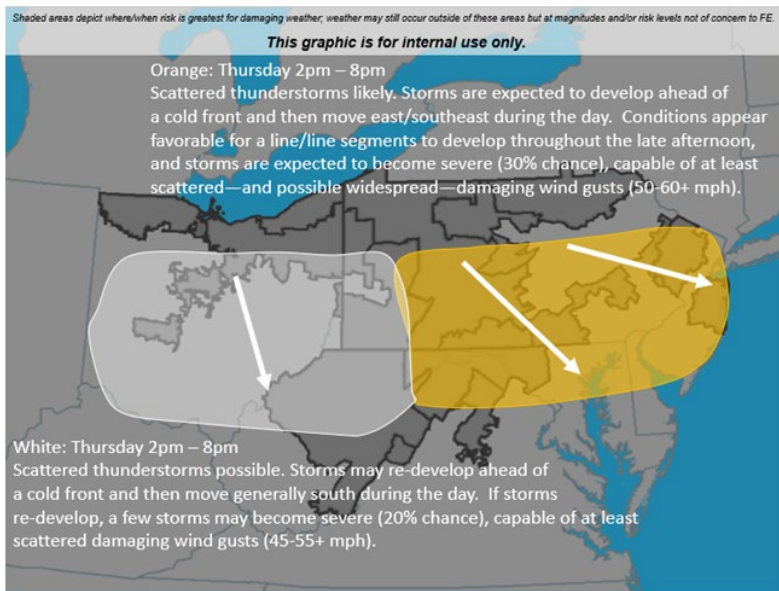
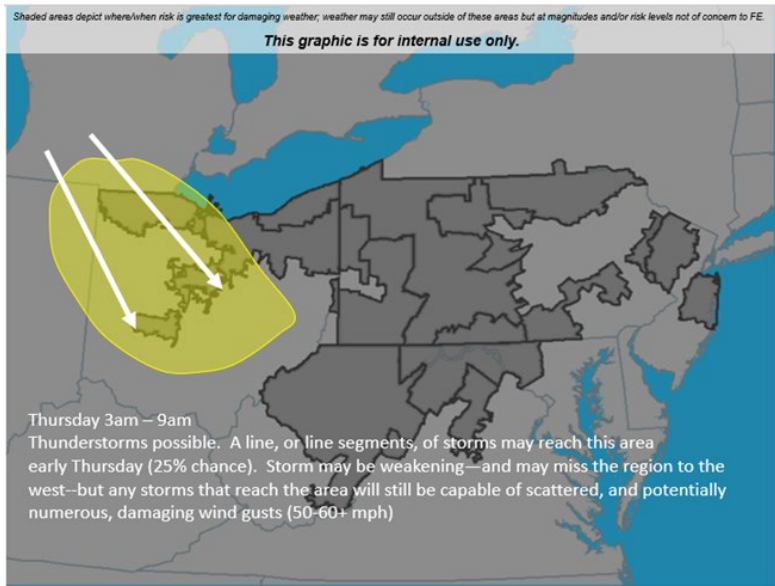
Early Thursday: A powerful complex/line of thunderstorms is expected to develop and move through portions of Wisconsin and Michigan overnight. This system will have potential to produce widespread, significant damaging winds as it approaches western Ohio overnight. While there is some uncertainty as to where the line of storms will ultimately track, they may be able to reach western Ohio early Thursday morning (3am-9am). While this is an unusual time for damaging storm activity, this complex of storms will be capable of damaging wind gusts across western Ohio if it is able to reach the area.

Thursday: Strong storm development is expected ahead of a cold front across portions of central/eastern Pennsylvania, New Jersey and Maryland. Conditions will be favorable for severe storms with damaging wind gusts, and a few small line segments will be possible throughout the afternoon, which will locally increase the wind damage risk. Farther east across western Pennsylvania, southern Ohio, and northern West Virginia, a few strong storms may develop along the front and sink south during the afternoon—these storms may also be capable of damaging gusts across this area.

See three graphics below for further details.



Met-Ed Storm Report

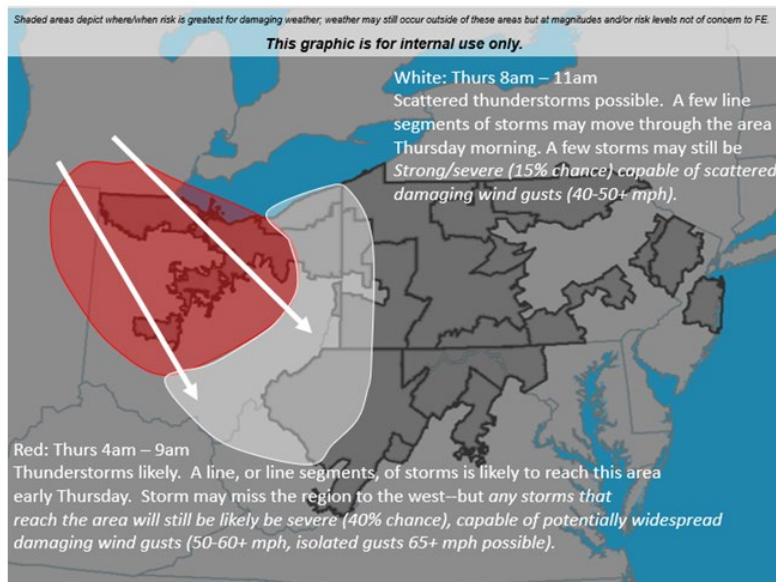
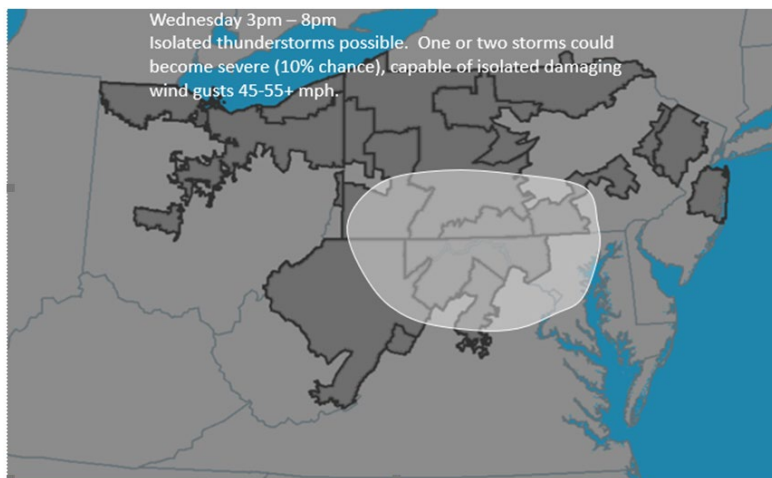


Wednesday July 28, 2021 at 1348

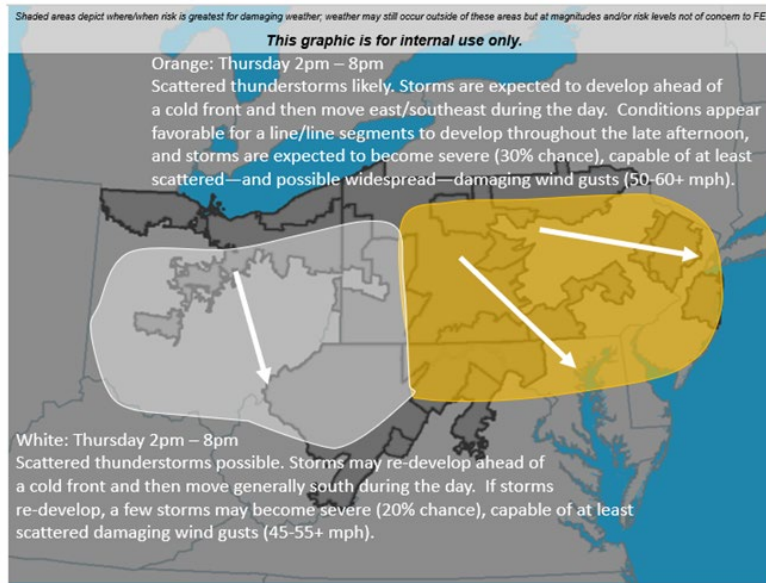
New Issuance:

Increased risk of damaging wind gusts across western FirstEnergy early Thursday morning, associated with an expected long-lived line of thunderstorms. Thunderstorms are expected to approach and move through western Ohio early Thursday morning; these storms could still be capable of widespread damaging wind gusts, despite the unusual timing. Small adjustments have been made to the risk areas for both Wednesday and Thursday afternoon—mainly to expand the area at risk Thursday, given uncertainty over where storms will actually develop. Despite potential storm activity Thursday morning, storms may redevelop across southern Ohio/western Pennsylvania/West Virginia Thursday afternoon.

See updated graphics below.



Met-Ed Storm Report



Thursday July 29, 2021 at 1214

Update:

Only change with this update is a small change to extend the risk area for scattered strong storms to include portions of northwest Pennsylvania/eastern Ohio, and to move forward the general start time of the possibility of strong storms. Increasing storm coverage and intensity is possible from this point forward, moving into the afternoon and evening hours.

Otherwise, the current forecast holds and no other changes are required at this time.

See graphic below for further information.

