

Darsh Singh, Esq.

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August 21, 2024

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 –
FirstEnergy Pennsylvania Electric Company; Docket No. M-2021-3023564***

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, FirstEnergy Pennsylvania Electric Company on behalf of Met-Ed Rate District (“Met-Ed”) submits written notification of completed restoration efforts following storm conditions that began on August 6, 2024 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) 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)

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

1. Reporting Utility: FirstEnergy Pennsylvania Electric Company ("FE PA")
on behalf of Met-Ed Rate District ("Met-Ed")
Address: 800 Cabin Hill Drive
Greensburg, PA 15601

2. Name and title of person making report:
John Hawkins President, Pennsylvania
(Name) *(Title)*

3. Telephone number: (330)-384-4795
(Telephone Number)

4. Date and time report was made to Commission:
August 6, 2024 2024
(Date) *(Time)*

5. Interruption or Outage:
(a) Number of customers affected: 22,363 (Represents 3.8% 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	113	14	9
Berks	3,083	85	55
Bucks	2,108	21	13
Chester	50	2	0
Cumberland	1,095	14	12
Dauphin	207	3	3
Lancaster	70	2	2
Lebanon	2,002	19	21
Lehigh	17	2	1
Monroe	647	11	9
Montgomery	815	7	3
Northampton	2,453	28	21
York	9,703	98	62
Total	22,363	306	211

- (d) Approximate number of outage cases exceeding 6 or more hours in duration: 149

- (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 Tuesday, August 6, 2024, a weather system producing strong thunderstorms moved through the Met-Ed service territory. The storms produced heavy precipitation and wind gusts of approximately 41 miles per hour. See Attachment B for the maximum wind gusts and the 24-hour total precipitation for August 6, 2024.

Damage as a result of the thunderstorms included downed trees and wires, damaged or broken poles and crossarms, and tree damage. The Easton, Lebanon, Reading, and York districts were the hardest hit areas. Approximately 51% of the total outages that occurred were tree related with an additional 20% related to equipment failure.

Preliminary data indicates the reliability impact of the storm was 12 minutes of SAIDI, 0.04 of SAIFI frequency, and an overall storm CAIDI of 312.09 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers affected would be restored by August 7, 2024 at 2300. 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	157	Line Workers
Subtotal	157	Line Workers
Henkels & McCoy	6	Line Contractors
I.B. Abel	11	Line Contractors
J.W. Didado	12	Line Contractors
Miller Bros.	4	Line Contractors
NG Gilbert	4	Line Contractors
Subtotal	37	Line Contractors
Asplundh Tree Expert, LLC	13	Forestry
Davey Tree	8	Forestry
Lewis Tree	40	Forestry
Penn Line Services, Inc.	10	Forestry
Treesmiths	2	Forestry
York Tree Family	5	Forestry
Subtotal	78	Forestry
Met-Ed	32	Supporting Roles
Various Contractors	1	Supporting Roles
Subtotal	33	Supporting Roles
Grand Total	305	

- (i) The date and time of the first information of a service interruption: August 6, 2024 at 1432.
- (j) The date and time that repair crews were assembled: August 6, 2024 at 0700.
- (k) The actual time that service was restored to the last affected customer: August 8, 2024 at 1908.
- (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	378
Secondary Spans Down	117
Crossarms Replaced	49
Cutouts Replaced	44
Poles Replaced	20
Transformers Replaced	16
Wire & Cable Replaced (feet)	6,497

- (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 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 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
1270543	Lebanon	46	2,994	08/06/2024 1714	08/08/2024 1908
1272716	Northampton	4	2,468	08/06/2024 1825	08/08/2024 1133
1274656	Bucks	12	2,316	08/06/2024 2215	08/08/2024 1251
1274596	Bucks	15	2,253	08/06/2024 2211	08/08/2024 1144
1272090	Northampton	13	2,159	08/07/2024 0007	08/08/2024 1206
1272376	York	1	2,151	08/07/2024 0249	08/08/2024 1440
1272607	Northampton	1	1,745	08/07/2024 0500	08/08/2024 1005
1274044	Lebanon	12	1,727	08/06/2024 1823	08/07/2024 2310
1271499	York	7	1,657	08/06/2024 1458	08/07/2024 1835
1269021	Bucks	84	1,554	08/06/2024 1700	08/07/2024 1854
1272114	Lebanon	22	1,542	08/06/2024 1716	08/07/2024 1858
1272845	York	312	1,496	08/07/2024 0650	08/08/2024 0746
1274045	York	9	1,492	08/06/2024 1657	08/07/2024 1749
1271174	Lancaster	45	1,468	08/06/2024 2102	08/07/2024 2130
1271553	Northampton	521	1,411	08/06/2024 1805	08/07/2024 1736
1275282	Berks	1	1,329	08/06/2024 2355	08/07/2024 2204
1274684	Lebanon	75	1,255	08/06/2024 1955	08/07/2024 1650
1271253	Berks	1	1,203	08/06/2024 2112	08/07/2024 1715
1268632	Montgomery	39	1,199	08/06/2024 1620	08/07/2024 1219
1268591	York	1	1,196	08/06/2024 1616	08/07/2024 1212
1270521	Berks	21	1,192	08/06/2024 1949	08/07/2024 1541
1275083	Berks	12	1,186	08/07/2024 1615	08/08/2024 1201
1270558	Lebanon	60	1,186	08/06/2024 1955	08/07/2024 1541
1270304	York	7	1,169	08/06/2024 1646	08/07/2024 1215
1271536	Bucks	762	1,165	08/06/2024 2213	08/07/2024 1738
1272913	Berks	1	1,165	08/06/2024 2158	08/07/2024 1723
1270046	York	7	1,140	08/06/2024 1843	08/07/2024 1343
1274869	Monroe	1	1,134	08/07/2024 1706	08/08/2024 1200
1272038	Berks	1	1,130	08/06/2024 2355	08/07/2024 1845
1270724	Berks	21	1,124	08/06/2024 2018	08/07/2024 1502
1272363	York	1	1,118	08/07/2024 0238	08/07/2024 2116
1271503	York	1	1,103	08/06/2024 2156	08/07/2024 1619

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 Rate District 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
1270355	Berks	8	1,102	08/06/2024 1923	08/07/2024 1345
1270381	Berks	1	1,091	08/06/2024 1925	08/07/2024 1336
1270423	York	24	1,082	08/06/2024 1753	08/07/2024 1155
1270897	York	27	1,080	08/06/2024 2040	08/07/2024 1440
1269439	York	1	1,074	08/06/2024 1557	08/07/2024 0951
1269889	Lebanon	275	1,071	08/06/2024 1823	08/07/2024 1214
1270671	Berks	107	1,069	08/06/2024 2011	08/07/2024 1400
1274450	York	12	1,064	08/06/2024 2124	08/07/2024 1508
1275039	York	10	1,046	08/07/2024 1820	08/08/2024 1146
1272598	Berks	1	1,037	08/06/2024 2218	08/07/2024 1535
1273717	Berks	28	1,035	08/06/2024 1729	08/07/2024 1044
1272154	York	1	1,028	08/06/2024 2124	08/07/2024 1432
1272163	Berks	36	1,024	08/06/2024 1719	08/07/2024 1023
1272296	Northampton	6	1,022	08/06/2024 2301	08/07/2024 1603
1271219	Berks	1	1,004	08/06/2024 2109	08/07/2024 1353
1270010	York	3	999	08/06/2024 1838	08/07/2024 1117
1272048	Berks	43	999	08/06/2024 1931	08/07/2024 1210
1270359	Berks	23	997	08/06/2024 1923	08/07/2024 1200
1270283	Berks	22	997	08/06/2024 1916	08/07/2024 1153
1270163	Adams	5	991	08/06/2024 1856	08/07/2024 1127
1270279	York	14	962	08/06/2024 1916	08/07/2024 1118
1268449	York	17	950	08/06/2024 1550	08/07/2024 0740
1269539	Berks	1	938	08/06/2024 1753	08/07/2024 0931
1275129	Lehigh	13	935	08/07/2024 1856	08/08/2024 1031
1275574	Bucks	2	929	08/07/2024 2150	08/08/2024 1319
1269964	Northampton	31	927	08/06/2024 1834	08/07/2024 1001
1270902	Berks	1	920	08/06/2024 2040	08/07/2024 1200
1271525	York	7	920	08/06/2024 2204	08/07/2024 1324
1270280	Monroe	79	908	08/06/2024 1916	08/07/2024 1024
1270258	Adams	4	905	08/06/2024 1913	08/07/2024 1018
1270183	Berks	1	903	08/06/2024 1858	08/07/2024 1001
1271377	Montgomery	1	903	08/06/2024 2134	08/07/2024 1237
1272106	Northampton	67	892	08/06/2024 2014	08/07/2024 1106
1270641	Berks	11	890	08/06/2024 2007	08/07/2024 1057
1270587	Lehigh	4	890	08/06/2024 2000	08/07/2024 1050
1271216	Berks	1	877	08/06/2024 2107	08/07/2024 1144
1270531	Berks	4	871	08/06/2024 1951	08/07/2024 1022

Met-Ed Rate District 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
1270453	Berks	18	838	08/06/2024 1938	08/07/2024 0936
1272085	York	1	830	08/07/2024 0010	08/07/2024 1400
1271063	Berks	1	829	08/06/2024 2049	08/07/2024 1038
1272100	Northampton	17	822	08/07/2024 0018	08/07/2024 1400
1271006	York	28	815	08/06/2024 2045	08/07/2024 1020
1270857	York	22	815	08/06/2024 2035	08/07/2024 1010
1269623	Bucks	296	813	08/06/2024 1804	08/07/2024 0737
1271714	York	8	807	08/06/2024 2232	08/07/2024 1159
1272586	Bucks	127	802	08/07/2024 0443	08/07/2024 1805
1272522	York	6	789	08/07/2024 0409	08/07/2024 1718
1272174	York	5	778	08/07/2024 0053	08/07/2024 1351
1275685	Bucks	59	774	08/08/2024 0012	08/08/2024 1306
1270917	Berks	2	759	08/06/2024 2041	08/07/2024 0920
1272731	Northampton	5	745	08/07/2024 0615	08/07/2024 1840
1271061	Berks	17	718	08/06/2024 2049	08/07/2024 0847
1272484	Berks	2	701	08/07/2024 0344	08/07/2024 1525
1269933	Lebanon	7	662	08/06/2024 1828	08/07/2024 0530
1272395	Lebanon	5	662	08/07/2024 0258	08/07/2024 1400
1274975	York	27	660	08/07/2024 1755	08/08/2024 0455
1271884	Lancaster	25	659	08/06/2024 2312	08/07/2024 1011
1272300	Berks	4	622	08/07/2024 0212	08/07/2024 1234
1275457	York	14	616	08/07/2024 1409	08/08/2024 0025
1272207	Berks	1	616	08/07/2024 0114	08/07/2024 1130
1275600	York	1	604	08/07/2024 2159	08/08/2024 0803
1272712	York	1	601	08/07/2024 0604	08/07/2024 1605
1275749	York	8	598	08/07/2024 1409	08/08/2024 0007
1273196	Cumberland	1	586	08/07/2024 0844	08/07/2024 1830
1273259	York	1	575	08/07/2024 0852	08/07/2024 1827
1272799	Lebanon	9	572	08/07/2024 0138	08/07/2024 1110
1271365	York	12	568	08/06/2024 2133	08/07/2024 0701
1275949	Berks	7	565	08/08/2024 0433	08/08/2024 1358
1272511	Berks	10	561	08/06/2024 1849	08/07/2024 0410
1273351	Bucks	10	560	08/07/2024 0915	08/07/2024 1835
1271507	Berks	4	557	08/06/2024 2158	08/07/2024 0715
1271451	Montgomery	1	545	08/06/2024 2147	08/07/2024 0652
1273115	Cumberland	1	544	08/07/2024 0821	08/07/2024 1725
1270281	Northampton	148	524	08/06/2024 1916	08/07/2024 0400

Met-Ed Rate District 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
1272264	York	11	518	08/07/2024 0148	08/07/2024 1026
1272943	Lebanon	15	512	08/07/2024 0728	08/07/2024 1600
1269029	Bucks	41	510	08/06/2024 1701	08/07/2024 0131
1276425	Berks	7	493	08/08/2024 0922	08/08/2024 1735
1269958	Berks	14	485	08/06/2024 1833	08/07/2024 0238
1275154	Northampton	1	483	08/07/2024 1859	08/08/2024 0302
1276133	Berks	1	483	08/08/2024 0714	08/08/2024 1517
1271875	Northampton	11	481	08/06/2024 2310	08/07/2024 0711
1272339	Berks	51	480	08/07/2024 0224	08/07/2024 1024
1275392	York	100	467	08/07/2024 1908	08/08/2024 0255
1270219	York	5	466	08/06/2024 1903	08/07/2024 0249
1275871	Cumberland	1	465	08/08/2024 0300	08/08/2024 1045
1273447	Berks	2	461	08/07/2024 0736	08/07/2024 1517
1273776	York	46	461	08/07/2024 1059	08/07/2024 1840
1272365	Berks	1	458	08/07/2024 0241	08/07/2024 1019
1272719	Berks	11	456	08/07/2024 0609	08/07/2024 1345
1271353	York	3	455	08/06/2024 2036	08/07/2024 0411
1271730	Cumberland	3	446	08/06/2024 2237	08/07/2024 0603
1269683	Bucks	65	441	08/06/2024 1808	08/07/2024 0129
1273633	York	4	438	08/07/2024 1025	08/07/2024 1743
1269287	Berks	2	437	08/06/2024 1719	08/07/2024 0036
1275400	Bucks	30	435	08/07/2024 1319	08/07/2024 2034
1273156	Berks	1	434	08/07/2024 0831	08/07/2024 1545
1272845	York	1	434	08/07/2024 0650	08/07/2024 1404
1271492	Cumberland	26	432	08/06/2024 1915	08/07/2024 0227
1271530	Lebanon	59	431	08/06/2024 1714	08/07/2024 0025
1274246	Bucks	392	430	08/07/2024 1319	08/07/2024 2029
1276843	Berks	2	429	08/08/2024 1136	08/08/2024 1845
1272479	Berks	4	427	08/07/2024 0338	08/07/2024 1045
1272656	York	4	423	08/07/2024 0532	08/07/2024 1235
1268659	York	1	420	08/06/2024 1625	08/06/2024 2325
1269436	York	50	417	08/06/2024 1458	08/06/2024 2155
1274388	York	22	414	08/07/2024 1409	08/07/2024 2103
1276262	Bucks	1	412	08/08/2024 0826	08/08/2024 1518
1274070	Northampton	1	410	08/07/2024 1222	08/07/2024 1912
1273565	Lebanon	1	406	08/07/2024 1008	08/07/2024 1654
1272571	Northampton	11	404	08/07/2024 0435	08/07/2024 1119

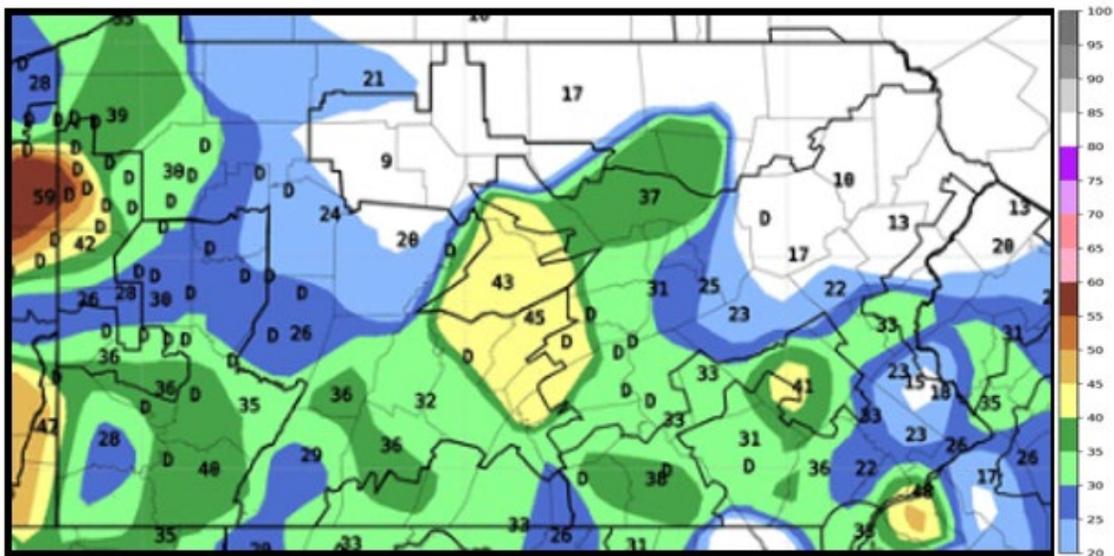
Met-Ed Rate District Storm Report

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
1273733	Cumberland	37	399	08/07/2024 1055	08/07/2024 1734
1277307	York	19	396	08/08/2024 1057	08/08/2024 1733
1271614	Berks	3	386	08/06/2024 2218	08/07/2024 0444
1270605	Berks	98	382	08/06/2024 2003	08/07/2024 0225
1268164	Monroe	3	374	08/06/2024 1446	08/06/2024 2100
1274407	Northampton	1	373	08/07/2024 1416	08/07/2024 2029

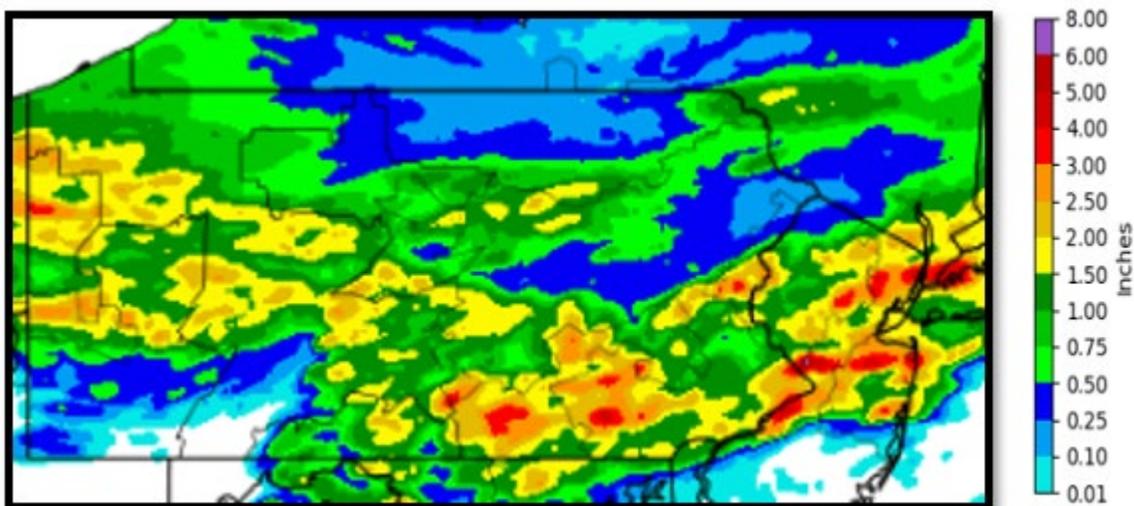
Attachment B: Wind and Precipitation Report

Wind and Precipitation Reports: Graphic 1 illustrates the maximum wind gusts in the Met-Ed service territory on August 6, 2024. Graphic 2 illustrates the 24-Hour Total Precipitation in the Met-Ed service territory on August 6, 2024. All graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

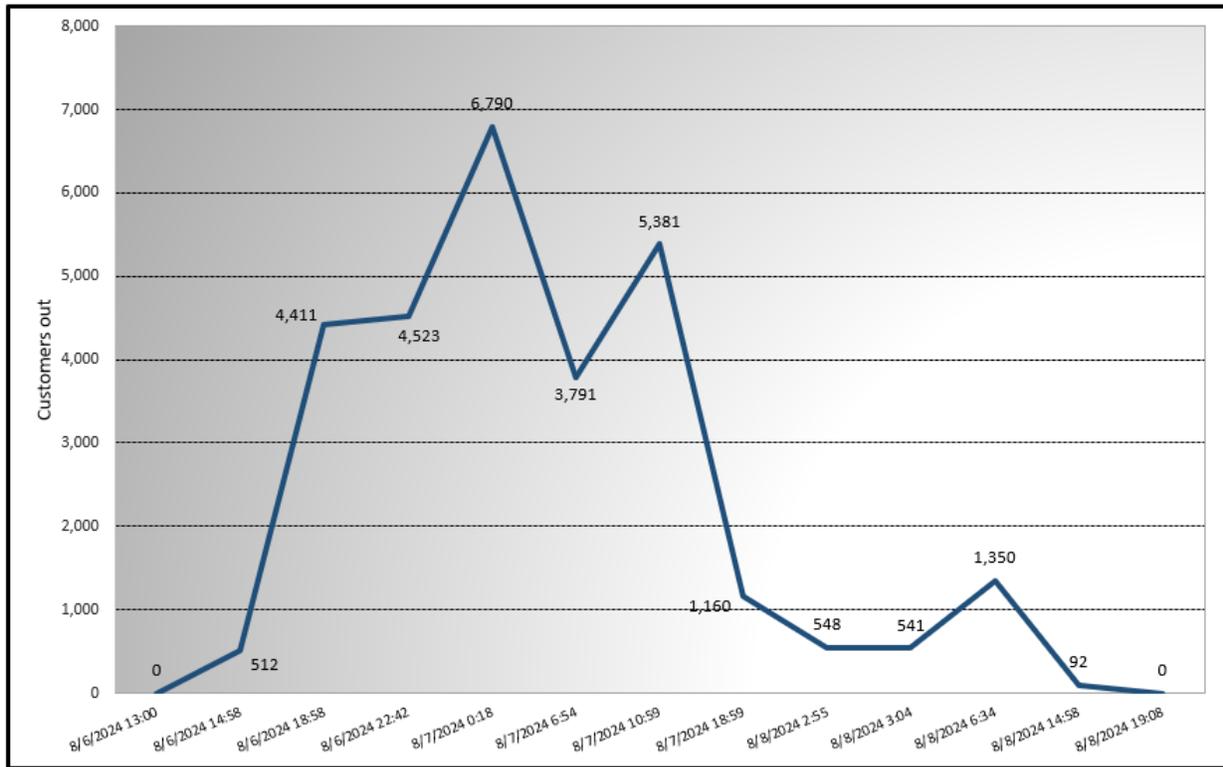
Graphic 1: Maximum Wind Gusts -- Tuesday, August 6, 2024



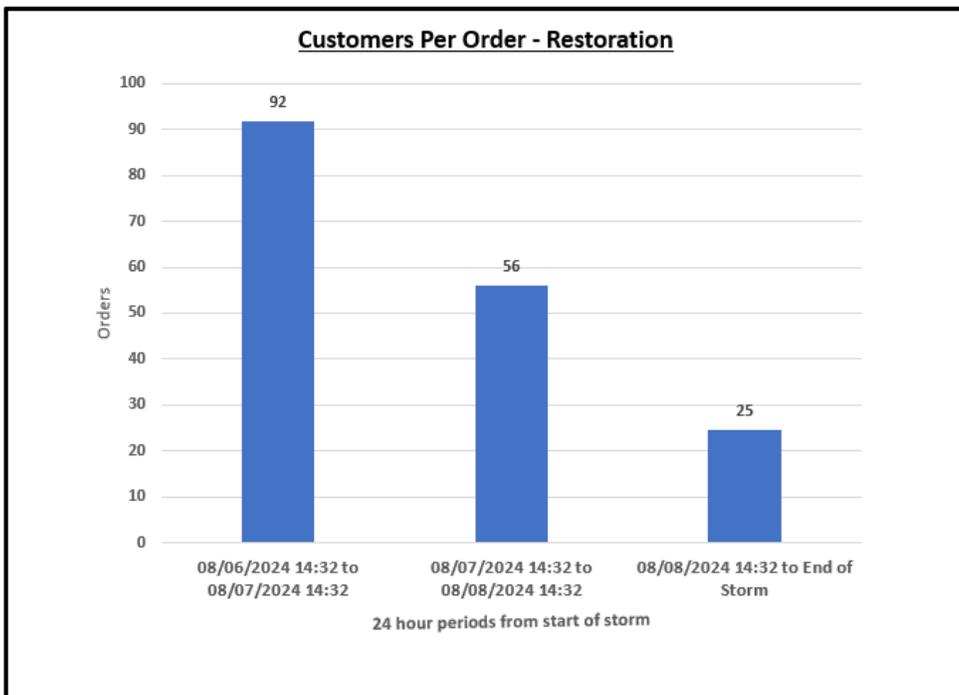
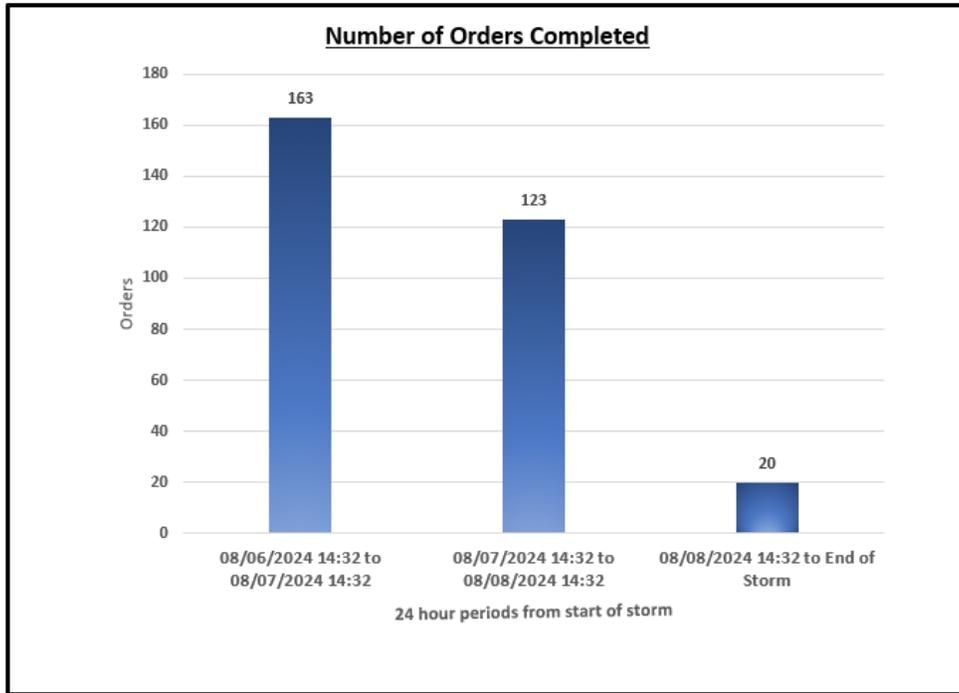
Graphic 2: 24-Hour Total Precipitation -- Tuesday, August 6, 2024



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: Meteorologist Reports

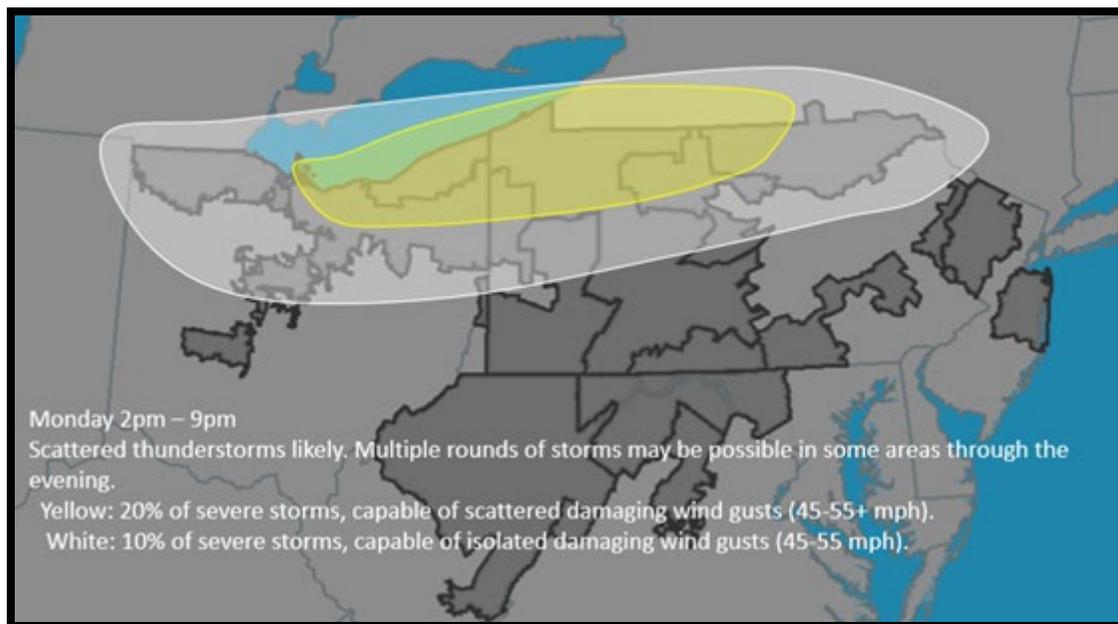
Monday, August 5, 2024 @ 0926

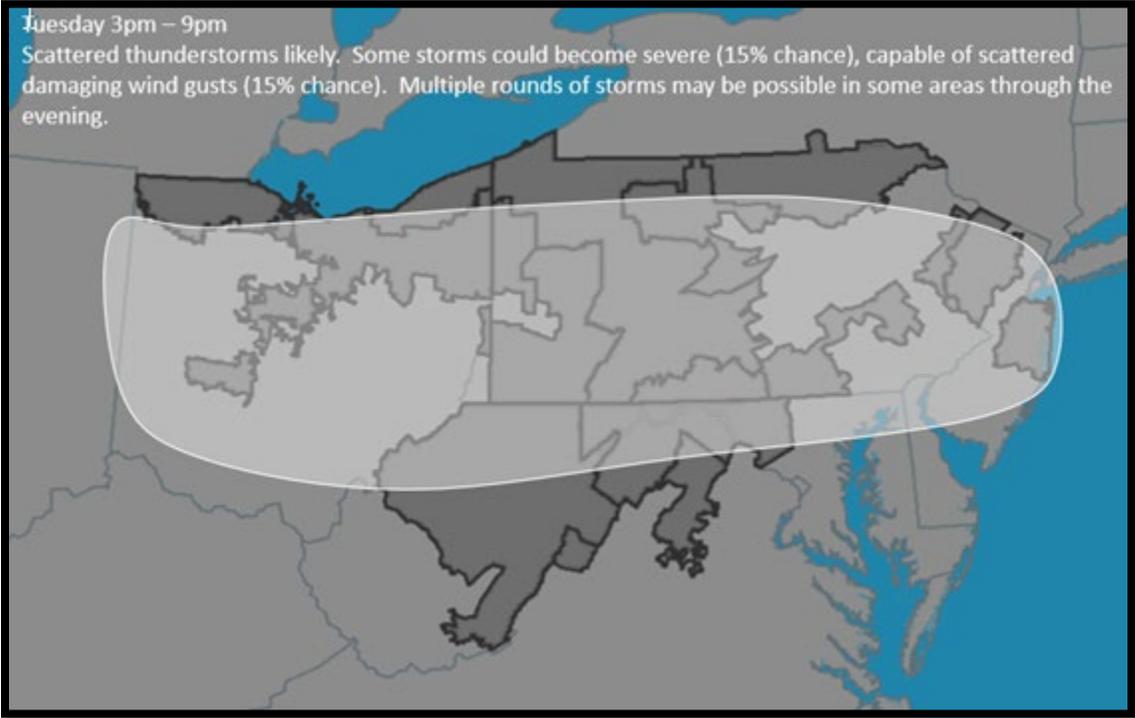
Update:

Only slight adjustments to areas and risk levels for this afternoon.

Added an area for additional thunderstorm development Tuesday. Another round of scattered strong/severe thunderstorms will be possible across a broad area of FE before the cold front clears out.

See graphics below for further information.





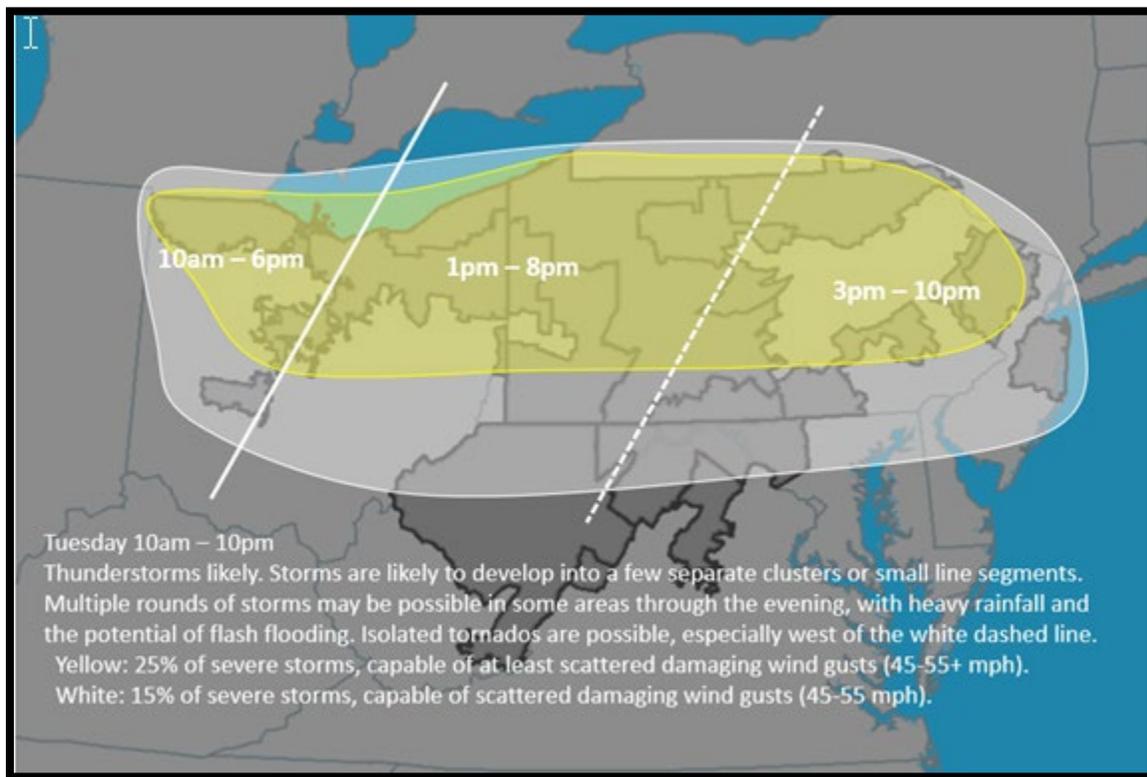
Tuesday August 6, 2024 @ 0905

Update:

General increase in risk of severe storms capable of wind damage, heavy rainfall, and isolated tornados—also expanded the main risk area to include most of the northern half of FE during the day today. Several pockets of thunderstorms are expected to develop throughout the day/evening across this broad area—with intermittent severe thunderstorms carrying damaging wind likely.

Note: a severe thunderstorm is currently moving through lower Michigan this morning...this storm may reach areas of far western OH as early as 10am this morning and could remain capable of damaging gusts and even an isolated tornado. This storm system will be monitored for potential strengthening over the next few hours and may require an increase in wind damage risk for areas of OH later this morning.

See graphic below for further information.



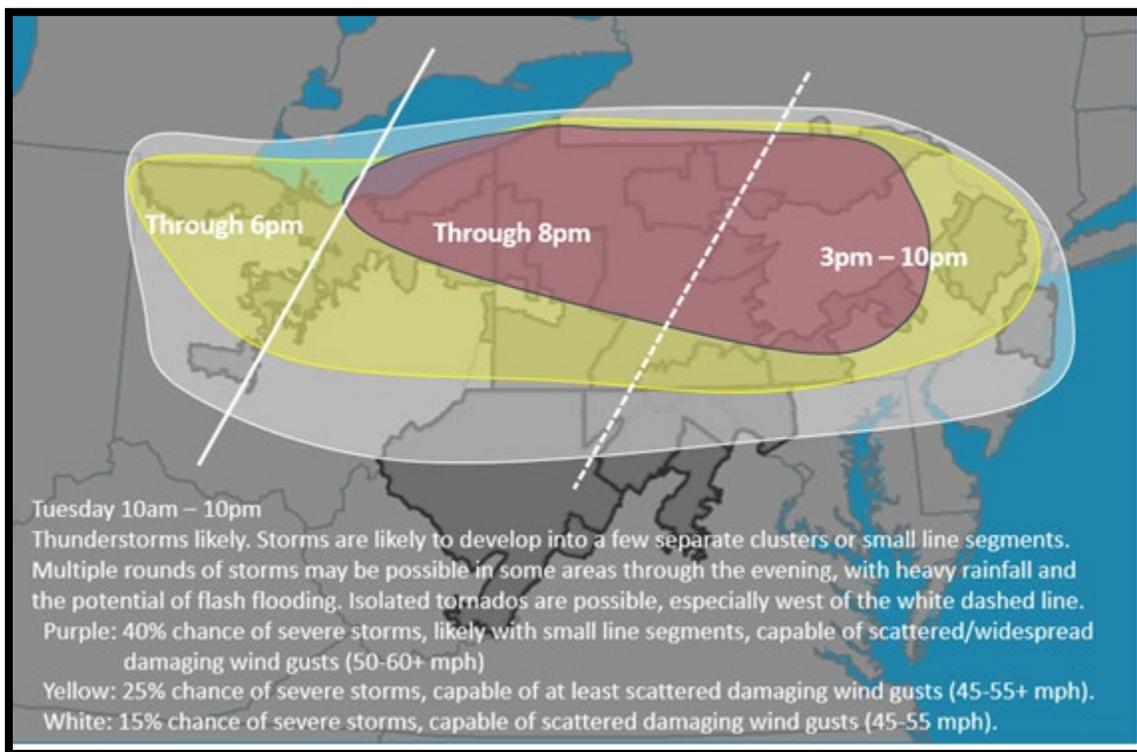
Tuesday August 6, 2024 @ 1204

Update:

Increased damaging wind threat for areas of eastern OH and PA for this afternoon/evening to account for threat of lines of severe storms moving through this region over the next several hours. If there is development of organized lines of storms, they will be capable of numerous (and potentially widespread) damaging wind gusts. Multiple separate lines of storms are possible across this region through the evening hours.

Otherwise, made small adjustments to other risk areas and adjusted timing, as severe storms have already begun to develop late this morning.

See graphic below for further information.



Tuesday, August 6, 2024 @ 1546

Update:

Situational awareness update in regard to two separate developing lines of severe storms; line (A) is currently across central/southwestern PA, and line (B) is approaching northeast OH from over Lake Erie.

Line A: conditions favor storms continuing to strengthen and organize over the next few hours. If storms develop into a solid line of storms, widespread damaging winds, with some gusts in excess of 60 mph will be possible.

Line B: Strong winds have been observed in this line as it moves over Lake Erie. Damaging wind gusts, including some as high as 70 mph, will be possible in areas of northeast OH and western PA as the line moves through over the next 2-3 hours.

There are no other changes to the general forecast at this time; conditions continue to be monitored again if warranted.

See graphics below for further information.

