

January 15, 2025

**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 Power Company; Docket No. M-2021-3023564**

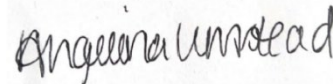
Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, FirstEnergy Pennsylvania Electric Company on behalf of Penn Power Rate District (“Penn Power”) submits written notification of completed restoration efforts following storm conditions that began on December 29, 2024 that caused multiple service interruptions in the Penn Power 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,



Angelina Umstead

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 Penn Power Rate District ("Penn Power")  
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:

December 29, 2024                                      2215  
*(Date)*    *(Time)*

5. Interruption or Outage:

- (a) Number of customers affected: 11,393 (Represents 6.5% of Penn Power'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
Allegheny	1,370	13	22
Beaver	1,814	30	63
Butler	3,353	13	16
Crawford	733	19	30
Lawrence	1,753	47	62
Mercer	2,370	71	101
<b>Total</b>	<b>11,393</b>	<b>193</b>	<b>294</b>

- (d) Approximate number of outage cases exceeding 6 or more hours in duration: 145

- (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 morning of Sunday, December 29, 2024, a weather system producing high winds and rain moved through Pennsylvania including the Penn Power service territory. The system produced significant wind gusts throughout the restoration period with gusts of approximately 64 miles per hour on Sunday. The persistent wind prolonged storm activity as well as restoration efforts as crews cannot safely handle materials if winds exceed 30 mph or operate bucket trucks if winds exceed 40 mph. See Attachment B for the maximum wind gusts for December 29, 2024 through January 1, 2025, and the 24-hour total precipitation for December 29, 2024.

Damage as a result of high winds included downed wires and pole damage due to tree contacts. Persistent high winds prolonged the storm activity and added time to restoration efforts. The New Castle region was the hardest hit area. Approximately 74.1% of the total outages that occurred were tree related.

Preliminary data indicates the reliability impact of the storm was 26.8 minutes of SAIDI, 0.06 of SAIFI, and an overall storm CAIDI of 412.57 minutes.

- (g) Projected time of restoration: The estimated time of restoration for the majority of customers would 2200 on Tuesday, December 31, 2024.

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
Danella Construction of NY Inc	37	Line
Penn Power	52	Line
Thompson Electric	19	Line
<b>Subtotal</b>	<b>108</b>	<b>Line</b>
Asplundh Tree Expert	10	Forestry
Davey Tree Expert	7	Forestry
FirstEnergy Service Company	5	Forestry
Penn Line Services	24	Forestry
<b>Subtotal</b>	<b>46</b>	<b>Forestry</b>
Penn Power	5	Hazard Responder
Penelec Rate District	6	Hazard Responder
<b>Subtotal</b>	<b>11</b>	<b>Hazard Responder</b>
FirstEnergy Service Company	3	Hazard Responder Support
<b>Subtotal</b>	<b>3</b>	<b>Hazard Responder Support</b>
FirstEnergy Service Company	13	Support
Thompson Electric	2	Support
<b>Subtotal</b>	<b>15</b>	<b>Support</b>
<b>Grand Total</b>	<b>183</b>	

- (i) The date and time of the first information of a service interruption: December 29, 2024 at 1114.
- (j) The date and time that repair crews were assembled: December 29, 2024 at 1300.
- (k) The actual time that service was restored to the last affected customer: January 1, 2025 at 1400. Additionally, Penn Power was able to restore 98.7% of the impacted customers within 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	150
Secondary Spans Replaced	125
Crossarms Replaced	10
Cutouts Replaced	20
Poles Replaced	30
Transformers Replaced	14
Wire & Cable Replaced (feet)	9,704

- (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 two 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 is still in progress at the time of filing this report.

**Attachment A: A listing of each outage case exceeding six or more hours in duration, including the following information<sup>1</sup>:**

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
1596320	Lawrence	1	3,593	12/29/2024 2215	01/01/2025 1008
1595602	Mercer	1	3,587	12/29/2024 2139	01/01/2025 0926
1600970	Lawrence	1	3,089	12/30/2024 1031	01/01/2025 1400
1593418	Mercer	2	2,774	12/29/2024 1946	12/31/2024 1800
1595034	Crawford	1	2,760	12/29/2024 2115	12/31/2024 1915
1593517	Mercer	29	2,746	12/29/2024 1959	12/31/2024 1745
1595553	Crawford	1	2,731	12/29/2024 2137	12/31/2024 1908
1596588	Butler	1	2,730	12/29/2024 2233	12/31/2024 2003
1603213	Butler	2	2,719	12/29/2024 1920	12/31/2024 1639
1594276	Lawrence	1	2,687	12/29/2024 2038	12/31/2024 1725
1601860	Mercer	1	2,682	12/29/2024 1959	12/31/2024 1641
1594925	Beaver	5	2,660	12/29/2024 2108	12/31/2024 1728
1598625	Mercer	1	2,654	12/29/2024 2108	12/31/2024 1722
1595200	Butler	5	2,625	12/29/2024 2124	12/31/2024 1709
1593934	Lawrence	2	2,614	12/29/2024 2024	12/31/2024 1558
1594047	Lawrence	1	2,605	12/29/2024 2030	12/31/2024 1555
1601158	Mercer	9	2,563	12/29/2024 2001	12/31/2024 1444
1594555	Mercer	2	2,547	12/29/2024 2052	12/31/2024 1519
1595518	Crawford	5	2,497	12/29/2024 2136	12/31/2024 1513

<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.

Penn Power 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
1599844	Lawrence	2	2,478	12/29/2024 2025	12/31/2024 1343
1599920	Mercer	15	2,456	12/29/2024 2111	12/31/2024 1407
1594404	Lawrence	2	2,406	12/29/2024 2044	12/31/2024 1250
1596880	Mercer	1	2,392	12/29/2024 2247	12/31/2024 1439
1604025	Mercer	2	2,343	12/29/2024 2048	12/31/2024 1151
1595116	Mercer	1	2,330	12/29/2024 2120	12/31/2024 1210
1602746	Lawrence	2	2,320	12/29/2024 2025	12/31/2024 1105
1595750	Mercer	15	2,294	12/29/2024 2144	12/31/2024 1158
1602416	Mercer	3	2,279	12/29/2024 1959	12/31/2024 0958
1598096	Mercer	6	2,242	12/29/2024 2042	12/31/2024 1004
1594938	Mercer	7	2,239	12/29/2024 2110	12/31/2024 1029
1600320	Crawford	1	2,223	12/30/2024 0857	12/31/2024 2200
1599479	Mercer	3	2,197	12/29/2024 2142	12/31/2024 1019
1599963	Crawford	1	2,093	12/30/2024 0753	12/31/2024 1846
1597599	Allegheny	1	2,069	12/29/2024 2331	12/31/2024 1000
1594880	Mercer	4	2,020	12/29/2024 2105	12/31/2024 0645
1603721	Mercer	12	1,995	12/29/2024 1944	12/31/2024 0459
1593699	Mercer	1	1,881	12/29/2024 2009	12/31/2024 0330
1599676	Lawrence	5	1,873	12/30/2024 0610	12/31/2024 1323
1599385	Crawford	1	1,867	12/29/2024 2213	12/31/2024 0520
1603560	Mercer	3	1,864	12/29/2024 1959	12/31/2024 0303
1593921	Lawrence	18	1,852	12/29/2024 2023	12/31/2024 0315

Penn Power 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
1598108	Mercer	21	1,841	12/29/2024 1959	12/31/2024 0240
1594946	Beaver	1	1,839	12/29/2024 2110	12/31/2024 0349
1599841	Mercer	1	1,803	12/30/2024 0717	12/31/2024 1320
1593944	Beaver	2	1,771	12/29/2024 2024	12/31/2024 0155
1595380	Mercer	1	1,739	12/29/2024 2130	12/31/2024 0229
1604102	Mercer	11	1,680	12/30/2024 0702	12/31/2024 1102
1594184	Beaver	5	1,676	12/29/2024 2034	12/31/2024 0030
1601369	Mercer	1	1,631	12/30/2024 1150	12/31/2024 1501
1593833	Beaver	34	1,598	12/29/2024 2016	12/30/2024 2254
1600464	Allegheny	1	1,597	12/30/2024 0921	12/31/2024 1158
1593832	Beaver	4	1,589	12/29/2024 2016	12/30/2024 2245
1604339	Mercer	3	1,587	12/31/2024 1123	01/01/2025 1350
1597741	Crawford	53	1,577	12/29/2024 2346	12/31/2024 0203
1594641	Lawrence	1	1,573	12/29/2024 2055	12/30/2024 2308
1596608	Beaver	1	1,565	12/29/2024 2234	12/31/2024 0039
1594854	Crawford	32	1,563	12/29/2024 2104	12/30/2024 2307
1593882	Lawrence	54	1,552	12/29/2024 2021	12/30/2024 2213
1593819	Lawrence	7	1,540	12/29/2024 2015	12/30/2024 2155
1597660	Mercer	3	1,525	12/29/2024 2335	12/31/2024 0100
1602756	Butler	1	1,515	12/30/2024 1720	12/31/2024 1835
1594891	Mercer	9	1,451	12/29/2024 2106	12/30/2024 2117
1594281	Mercer	8	1,395	12/29/2024 2039	12/30/2024 1954

Penn Power 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
1594081	Lawrence	5	1,360	12/29/2024 2030	12/30/2024 1910
1602745	Lawrence	2	1,355	12/29/2024 2025	12/30/2024 1900
1598057	Allegheny	2	1,352	12/30/2024 0008	12/30/2024 2240
1593247	Lawrence	7	1,351	12/29/2024 1914	12/30/2024 1745
1594808	Mercer	20	1,346	12/29/2024 2101	12/30/2024 1927
1595018	Mercer	57	1,344	12/29/2024 2114	12/30/2024 1938
1603100	Beaver	1	1,326	12/29/2024 2054	12/30/2024 1900
1595032	Mercer	66	1,308	12/29/2024 1921	12/30/2024 1709
1593998	Lawrence	10	1,268	12/29/2024 2027	12/30/2024 1735
1593404	Mercer	57	1,268	12/29/2024 1943	12/30/2024 1651
1594013	Lawrence	6	1,240	12/29/2024 2028	12/30/2024 1708
1602578	Lawrence	47	1,238	12/29/2024 2024	12/30/2024 1702
1599310	Butler	34	1,206	12/29/2024 2039	12/30/2024 1645
1593945	Lawrence	5	1,204	12/29/2024 2024	12/30/2024 1628
1598678	Lawrence	5	1,203	12/29/2024 2027	12/30/2024 1630
1595597	Lawrence	18	1,198	12/29/2024 2139	12/30/2024 1737
1604694	Mercer	1	1,183	12/31/2024 1453	01/01/2025 1036
1595014	Mercer	48	1,175	12/29/2024 2114	12/30/2024 1649
1594751	Beaver	14	1,161	12/29/2024 2059	12/30/2024 1620
1599557	Allegheny	2	1,145	12/30/2024 0535	12/31/2024 0040
1593461	Mercer	9	1,138	12/29/2024 1952	12/30/2024 1450
1597316	Crawford	6	1,117	12/29/2024 2313	12/30/2024 1750

Penn Power 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
1594595	Butler	59	1,111	12/29/2024 2053	12/30/2024 1524
1594030	Lawrence	76	1,105	12/29/2024 2029	12/30/2024 1454
1602742	Lawrence	1	1,075	12/30/2024 1716	12/31/2024 1111
1594994	Lawrence	1	1,060	12/29/2024 2112	12/30/2024 1452
1598243	Mercer	3	1,036	12/30/2024 0026	12/30/2024 1742
1593522	Mercer	13	1,033	12/29/2024 1959	12/30/2024 1312
1593942	Lawrence	143	1,031	12/29/2024 2024	12/30/2024 1335
1599343	Crawford	246	1,000	12/29/2024 2244	12/30/2024 1524
1593942	Lawrence	49	998	12/29/2024 2057	12/30/2024 1335
1594684	Lawrence	69	998	12/29/2024 2057	12/30/2024 1335
1601561	Butler	66	995	12/29/2024 2105	12/30/2024 1340
1599879	Lawrence	28	972	12/30/2024 0728	12/30/2024 2340
1598750	Mercer	14	939	12/30/2024 0206	12/30/2024 1745
1599343	Crawford	275	929	12/29/2024 2355	12/30/2024 1524
1594499	Mercer	7	913	12/29/2024 2047	12/30/2024 1200
1595001	Mercer	88	910	12/29/2024 2113	12/30/2024 1223
1594220	Lawrence	4	908	12/29/2024 2035	12/30/2024 1143
1595867	Mercer	1	895	12/29/2024 2149	12/30/2024 1244
1594132	Beaver	98	860	12/29/2024 2032	12/30/2024 1052
1601078	Beaver	1	858	12/30/2024 1047	12/31/2024 0105
1595912	Beaver	107	812	12/29/2024 2154	12/30/2024 1126
1594285	Beaver	167	801	12/29/2024 2039	12/30/2024 1000

Penn Power 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
1593851	Beaver	3	790	12/29/2024 2018	12/30/2024 0928
1594045	Beaver	26	785	12/29/2024 2029	12/30/2024 0934
1596557	Crawford	9	748	12/29/2024 2232	12/30/2024 1100
1598148	Beaver	473	748	12/29/2024 2033	12/30/2024 0901
1599388	Beaver	28	739	12/29/2024 2057	12/30/2024 0916
1599389	Beaver	259	739	12/29/2024 2057	12/30/2024 0916
1596027	Crawford	1	731	12/29/2024 2200	12/30/2024 1011
1597531	Beaver	6	728	12/29/2024 2324	12/30/2024 1132
1595428	Butler	8	690	12/29/2024 2132	12/30/2024 0902
1600935	Mercer	54	689	12/29/2024 2128	12/30/2024 0857
1600935	Mercer	1	689	12/29/2024 2128	12/30/2024 0857
1600935	Mercer	1	689	12/29/2024 2128	12/30/2024 0857
1600935	Mercer	7	689	12/29/2024 2128	12/30/2024 0857
1600935	Mercer	27	689	12/29/2024 2128	12/30/2024 0857
1593833	Beaver	28	637	12/30/2024 1217	12/30/2024 2254
1593964	Lawrence	14	635	12/29/2024 2025	12/30/2024 0700
1594961	Mercer	29	623	12/29/2024 2111	12/30/2024 0734
1598594	Mercer	56	610	12/30/2024 0117	12/30/2024 1127
1599993	Lawrence	1	608	12/30/2024 0802	12/30/2024 1810
1599231	Mercer	1	597	12/30/2024 0343	12/30/2024 1340
1598656	Allegheny	18	589	12/29/2024 2020	12/30/2024 0609
1594168	Butler	99	577	12/29/2024 2033	12/30/2024 0610

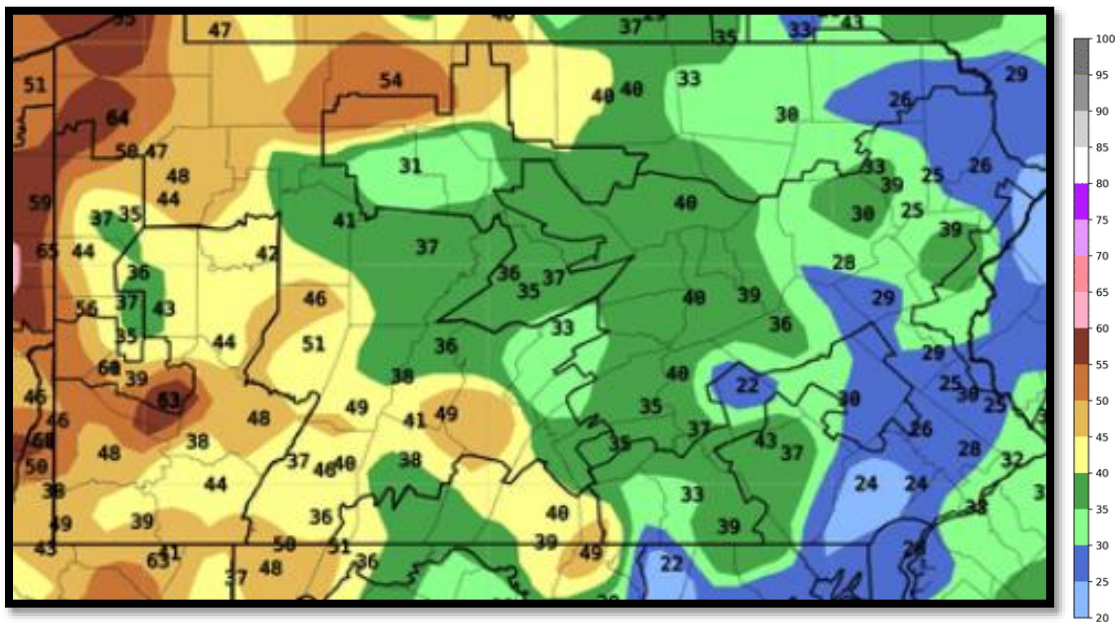
Penn Power Storm Report

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
1604282	Crawford	1	507	12/31/2024 1102	12/31/2024 1929
1603811	Crawford	5	494	12/31/2024 0701	12/31/2024 1515
1594650	Mercer	10	483	12/29/2024 2055	12/30/2024 0458
1593984	Allegheny	157	473	12/29/2024 2027	12/30/2024 0420
1594694	Beaver	5	456	12/29/2024 2057	12/30/2024 0433
1594715	Beaver	211	455	12/29/2024 2058	12/30/2024 0433
1595401	Lawrence	28	454	12/29/2024 2131	12/30/2024 0505
1604903	Mercer	2	452	12/31/2024 0858	12/31/2024 1630
1599804	Beaver	75	449	12/30/2024 0701	12/30/2024 1430
1595694	Mercer	15	422	12/29/2024 2142	12/30/2024 0444
1602992	Mercer	2	422	12/30/2024 1835	12/31/2024 0137
1594283	Butler	53	416	12/29/2024 2039	12/30/2024 0335
1598862	Mercer	57	392	12/29/2024 2049	12/30/2024 0321
1593183	Beaver	48	387	12/29/2024 1903	12/30/2024 0130
1604235	Crawford	1	364	12/31/2024 1038	12/31/2024 1642
1601313	Beaver	16	360	12/30/2024 1137	12/30/2024 1737

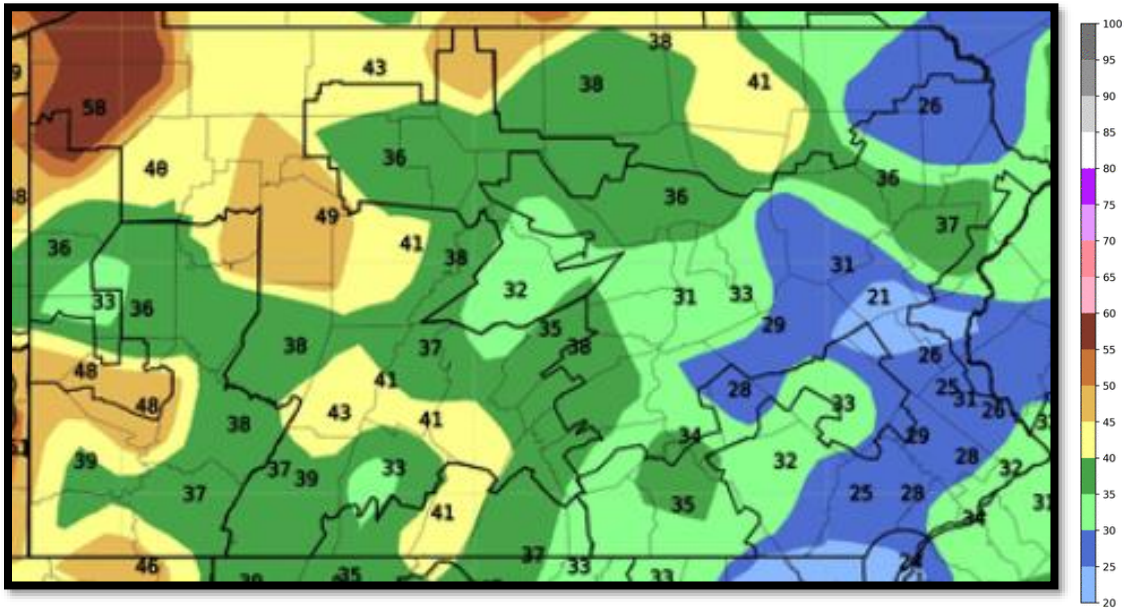
**Attachment B: Wind and Precipitation Report**

**Wind and Precipitation Reports:** Graphics 1 through 4 illustrate the maximum wind gusts in the Penn Power service territory on December 29, 2024 through Wednesday, January 1, 2025. Graphic 5 illustrates the 24-Hour Total Precipitation in the Penn Power service territory on Sunday, December 29, 2024. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

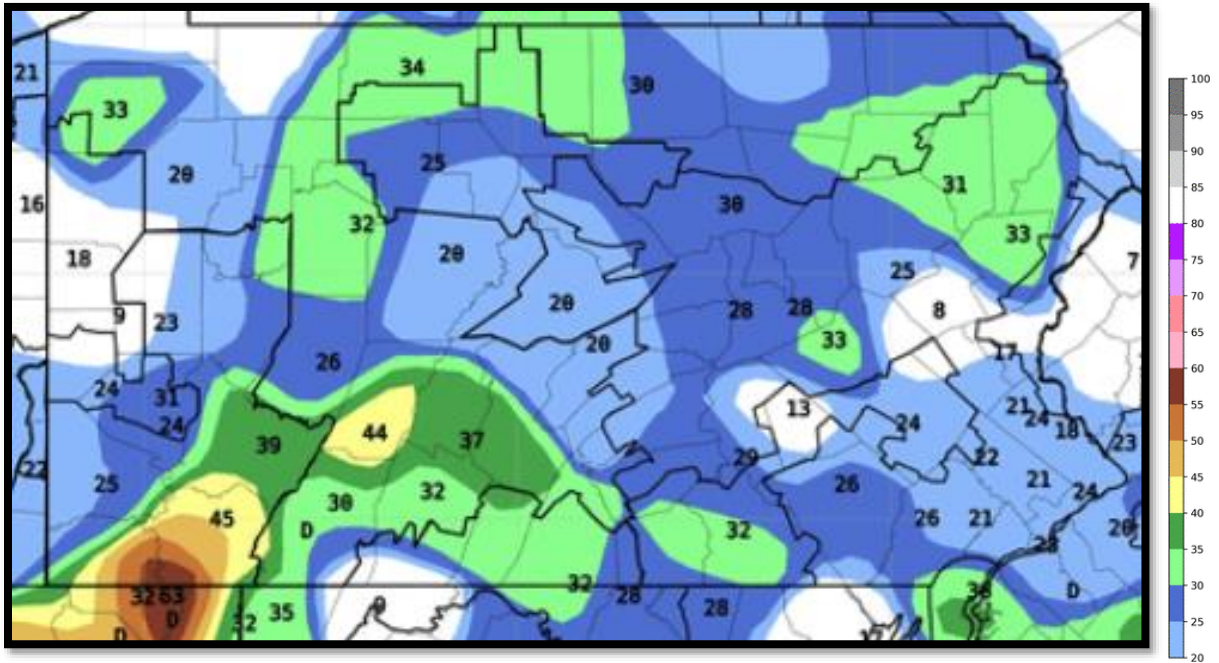
**Graphic 1: Maximum Wind Gusts – Sunday, December 29, 2024**



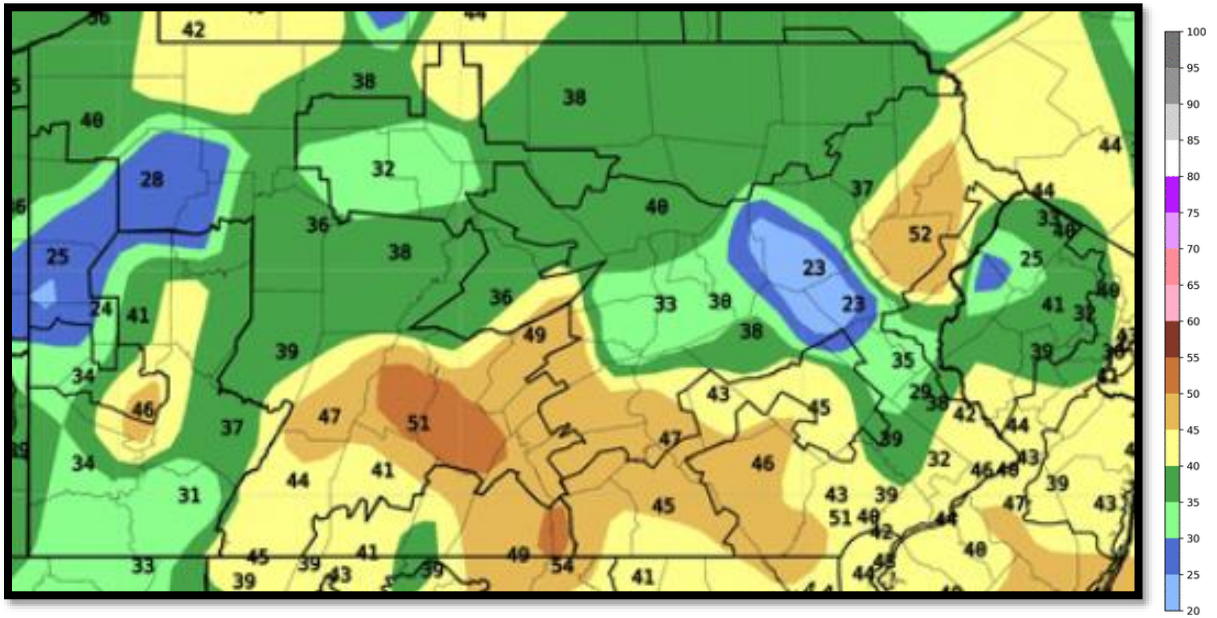
Graphic 2: Maximum Wind Gusts – Monday, December 30, 2024



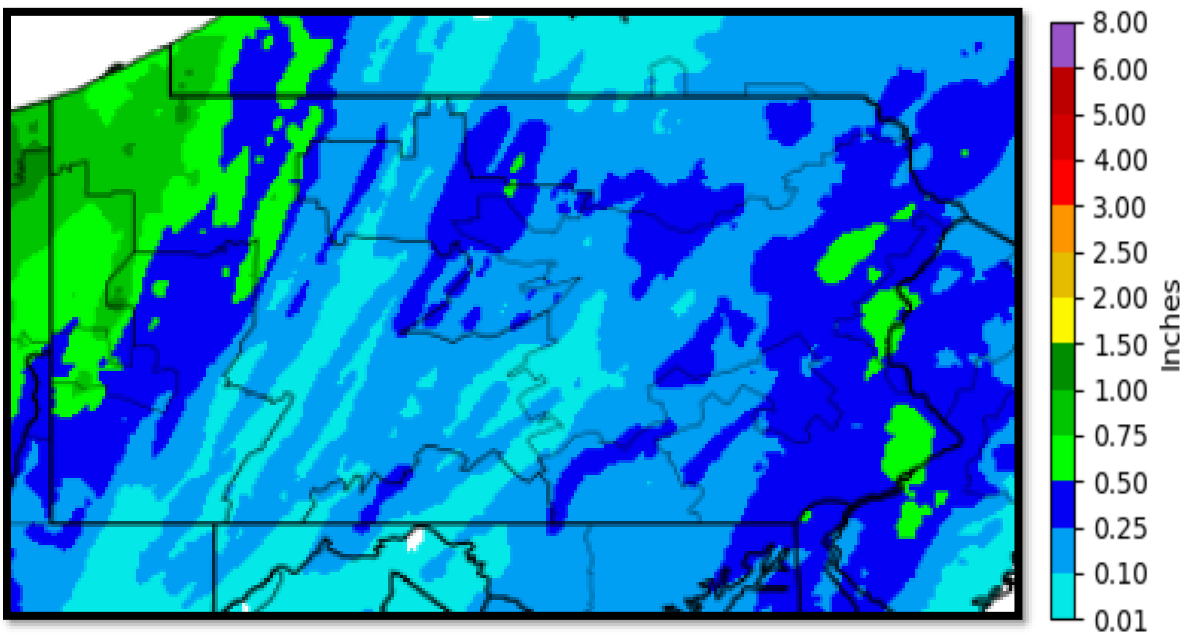
Graphic 3: Maximum Wind Gusts – Tuesday, December 31, 2024



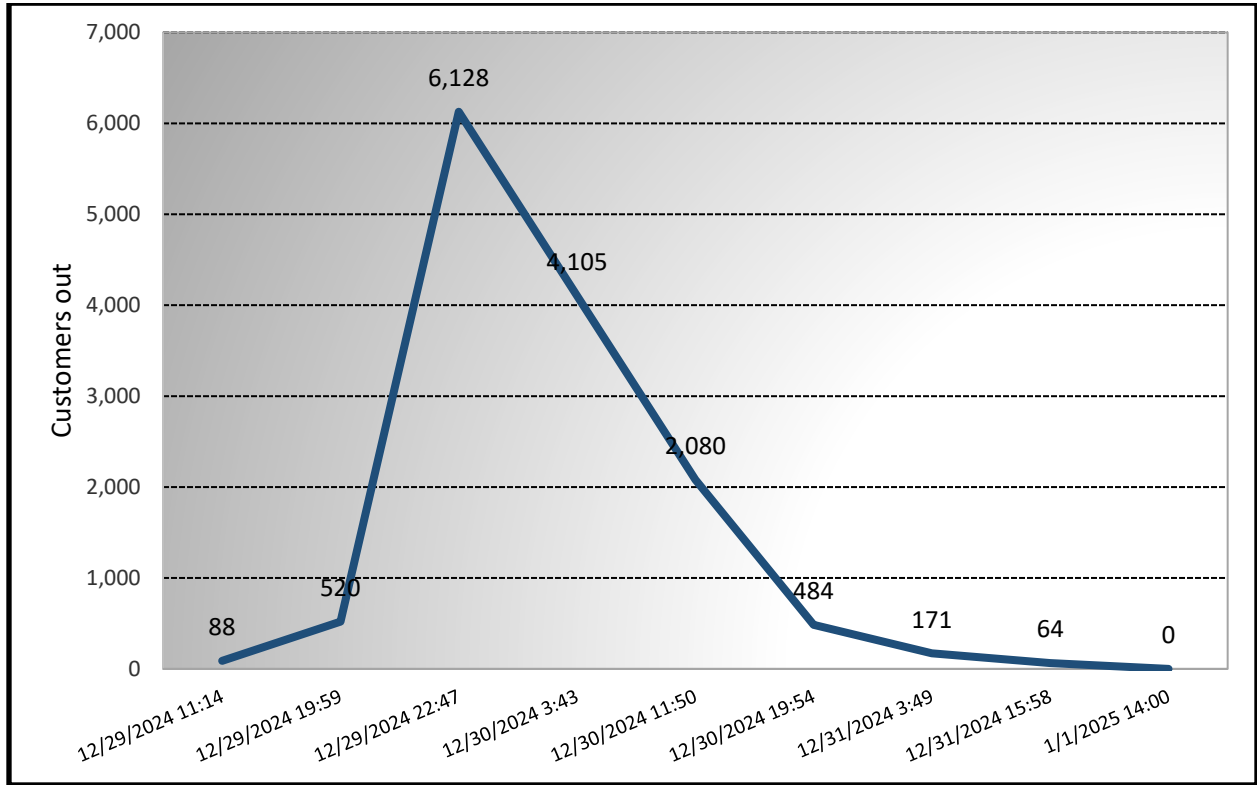
**Graphic 4: Maximum Wind Gusts – Wednesday, January 1, 2025**



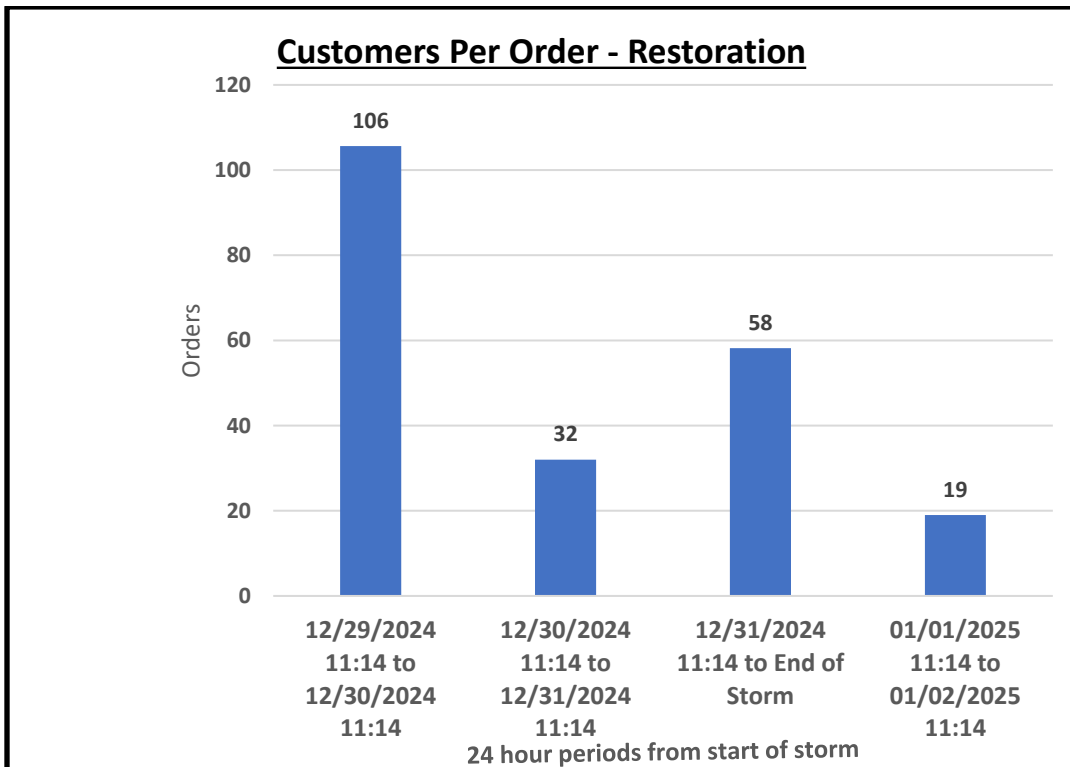
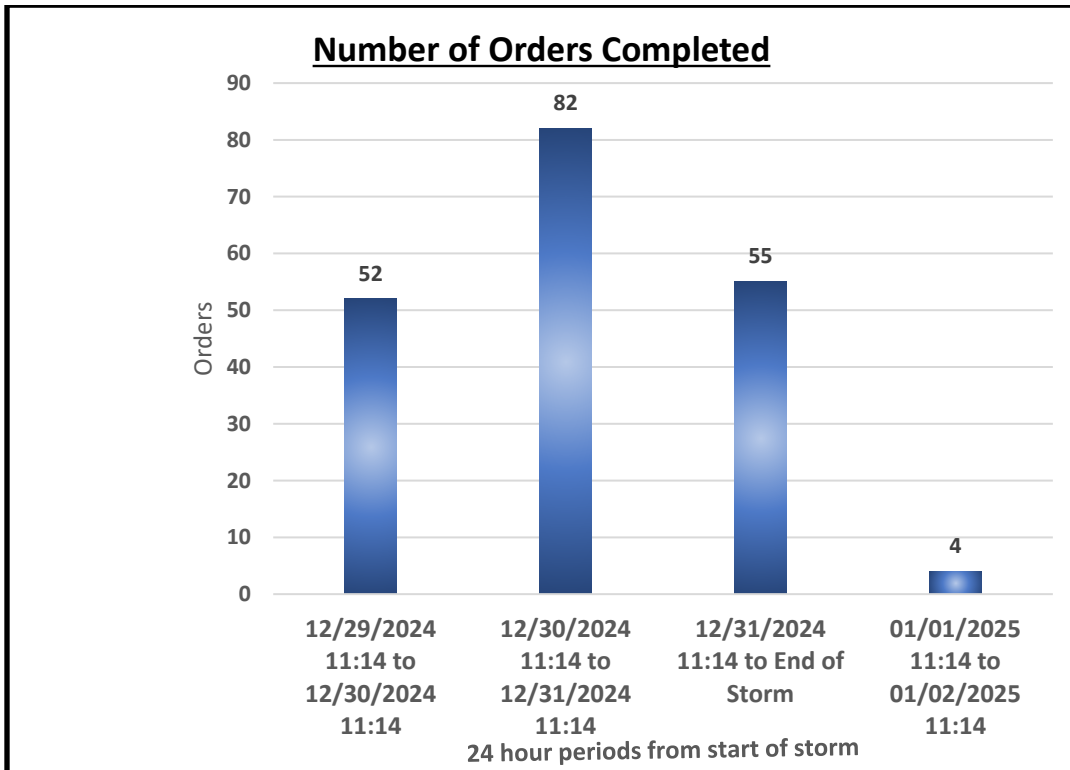
**Graphic 5: 24-Hour Total Precipitation – Sunday, December 29, 2024**



**Attachment C: Restoration Curve**



**Attachment D: Order Restoration Graphs**



**Attachment E: Meteorologist Reports**

**Friday, December 27, 2024 @ 0911**

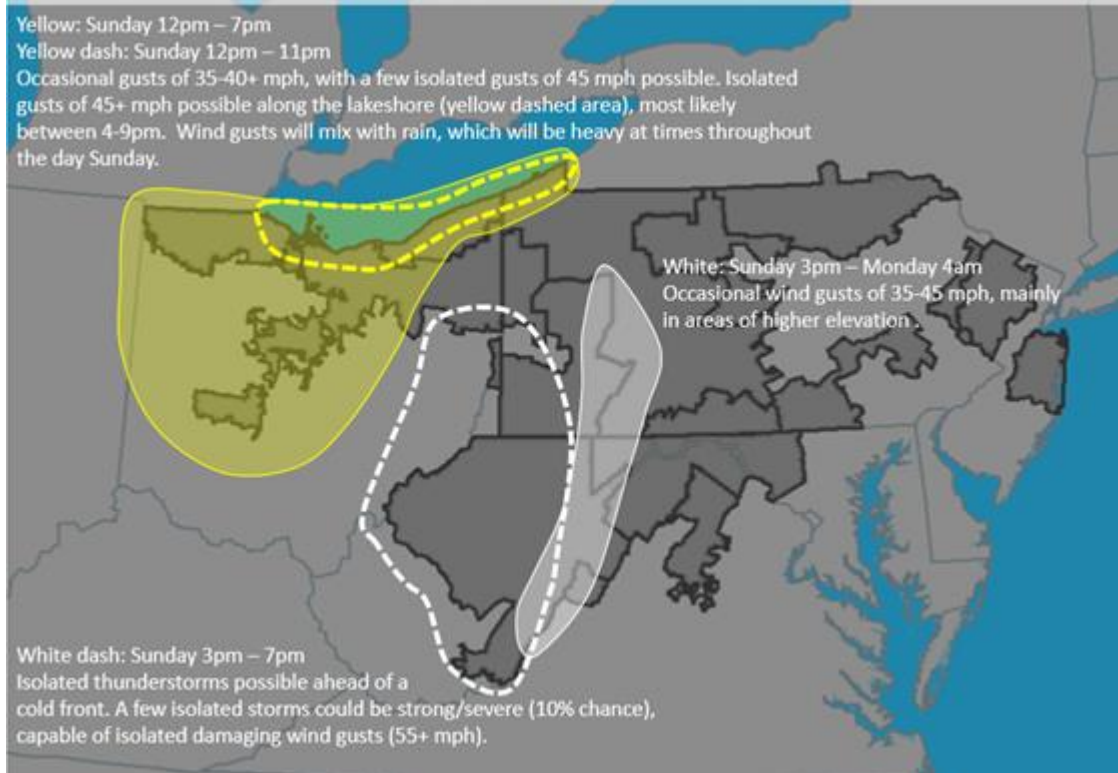
**New Issuance:**

A large, wet storm system will push through the FE footprint on Sunday. This system will bring:

- Gusty winds to western portions of FE (mainly OH) where periods of 40+ mph gusts are possible Sunday afternoon and evening (likely mixing with periods of heavy rain). Strongest gusts are expected in lakeshore areas Sunday afternoon.
- Occasional 40+ mph winds appear possible in the higher elevations of eastern WV, western MD and southern PA late Sunday and early Morning
- A low chance of a few strong thunderstorms across portions of southern FE as a cold front pushes through Sunday afternoon.

As mentioned above, this storm system will carry a lot of moisture—and the entire FE footprint is likely to see periods of locally heavy rain at times Sunday and early Monday. General rainfall amounts of 1-2” are expected across FirstEnergy.

See graphic below for further information.



**Saturday, December 28, 2024 @ 0928**

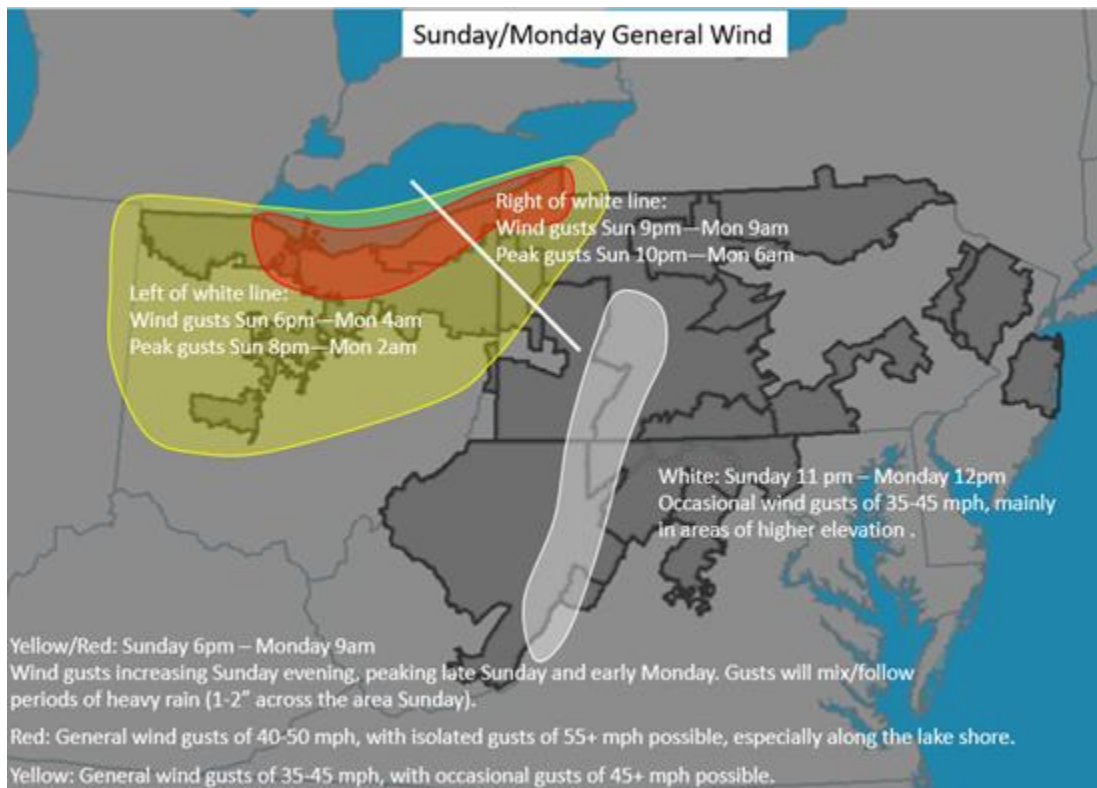
**Update:**

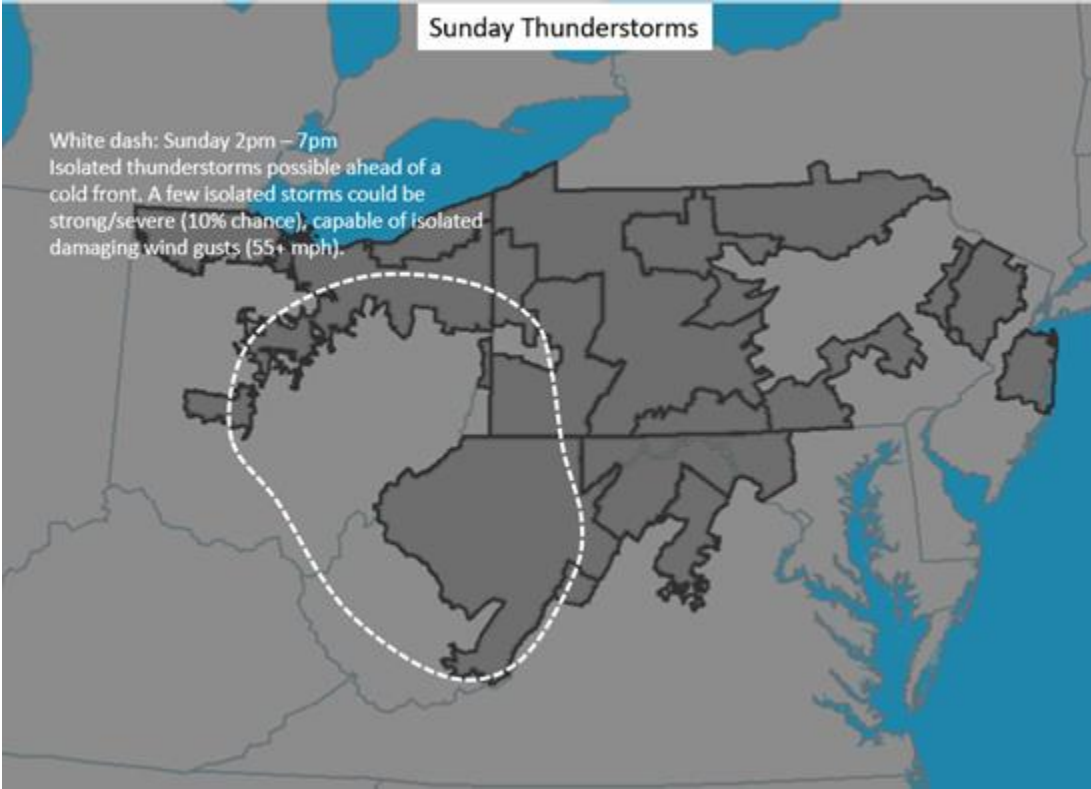
Notable changes to the forecast today, mainly to push back period of main wind gusts in western FE Sunday, as well as increase potential wind gusts with the event late Sunday into early Monday. Main changes/highlights:

- Pushed back period of strongest winds in western FE to arrive Sunday evening and last into early Monday
- Increase potential wind gusts, including potential for 50+ mph gusts, especially in areas of northern OH/northwest PA and along the Lake Erie shoreline
- Slight expansion of thunderstorm threat Sunday to include areas of OH
- Adjusted timing of potential 40+ mph gusts for elevations of WV, western MD and southern PA to overnight Sunday into Monday.

As previously, this storm system will carry a lot of moisture—and the entire FE footprint is likely to see periods of locally heavy rain at times Sunday and early Monday. General rainfall amounts of 1-2” are expected across FirstEnergy, meaning periods of strong gusts in western FE will immediately follow periods of heavy rain during the day Sunday.

See graphics below for further information.





**Sunday, December 29, 2024 @ 0854**

**Update:**

Only slight changes to the forecast this morning:

- Slight expansion of general wind gust area, and slightly modified timing.
- Mention of brief period of strong gusts (50+ mph) that may be possible in southern OH early this afternoon as storm approaches.
- Adjusted thunderstorm forecast—slight expansion to include more portions of OH.

Wind gusts will generally increase throughout Sunday and peak Sunday evening, moving into the area from south-to-north. Windy conditions will follow a period of steady rainfall across the area.

See graphics below for further information.

**Last Scheduled Update**

