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September 11, 2023

**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, Pennsylvania Power Company (“Penn Power”) submits written notification of completed restoration efforts following storm conditions that began on August 25, 2023 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,



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)  
Harry Bidelspach – 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 Power Company ("Penn Power")  
Address: 800 Cabin Hill Drive  
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:

August 25, 2023                      0732  
*(Date)*                                      *(Time)*

5. Interruption or Outage:

- (a) Number of customers affected: 9,072 (Represents 5.4% 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    | 1,443        | 20           | 28            |
| Beaver       | 825          | 25           | 44            |
| Butler       | 1,171        | 11           | 5             |
| Crawford     | 254          | 10           | 19            |
| Lawrence     | 647          | 38           | 123           |
| Mercer       | 4,732        | 114          | 193           |
| <b>Total</b> | <b>9,072</b> | <b>218</b>   | <b>412</b>    |

- (d) Approximate number of outage cases exceeding 6 or more hours in duration: 171

- (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 in the early morning hours of Friday, August 25, 2023, a line of thunderstorms moved from northwest to southeast across Pennsylvania, including the Penn Power service territory. The storms produced rain, lightning, and wind gusts of over 50 miles per hour. See Attachment B for the maximum wind gusts and total precipitation for August 25, 2023.

Damage as a result of the wind and rain included downed trees and wires, damaged or broken poles, and damaged transformers and crossarms. The Clark district was the hardest hit area. Approximately 84% of the total outages that occurred were tree-related. Restoration activities were affected by the rain saturated terrain, which in some areas required the use of off-road track equipment to access and fix broken poles.

Preliminary data indicates the reliability impact of the storm was 33.2 minutes of SAIDI, 0.05 of SAIFI, and an overall storm CAIDI of 614.86 minutes.

- (g) Projected time of restoration: The estimated time of restoration for the majority of customers in the New Castle and Zelenople districts was 2300 on August 25, 2023, and 2300 on August 26, 2023 for customers in the Clark district.

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:

| <b>Company</b>          | <b># of Workers</b> | <b>General Function</b>            |
|-------------------------|---------------------|------------------------------------|
| Penn Power              | 69                  | Line Workers                       |
| West Penn Power         | 13                  | Line Workers                       |
| Penelec                 | 14                  | Line Workers                       |
| <b>Subtotal</b>         | <b>96</b>           |                                    |
| Sparks Energy           | 95                  | Line Contractor                    |
| <b>Subtotal</b>         | <b>95</b>           |                                    |
| Penn Power              | 4                   | Forestry                           |
| Penelec                 | 1                   | Forestry                           |
| <b>Subtotal</b>         | <b>5</b>            |                                    |
| Davey Tree Resources    | 24                  | Forestry Contractor                |
| Penn Line Services      | 28                  | Forestry Contractor                |
| <b>Subtotal</b>         | <b>52</b>           |                                    |
| Penn Power              | 7                   | Substation/Network                 |
| Penelec                 | 2                   | Substation/Network                 |
| West Penn Power         | 1                   | Substation/Network                 |
| <b>Subtotal</b>         | <b>10</b>           |                                    |
| Penelec                 | 8                   | Hazard Responders/Damage Assessors |
| Penn Power              | 16                  | Hazard Responders/Damage Assessors |
| <b>Subtotal</b>         | <b>24</b>           |                                    |
| Penn Power              | 46                  | Supporting Roles                   |
| Penelec                 | 5                   | Supporting Roles                   |
| FirstEnergy Service Co. | 28                  | Supporting Roles                   |
| Contractors (Various)   | 4                   | Supporting Roles                   |
| <b>Subtotal</b>         | <b>83</b>           |                                    |
| <b>Grand Total</b>      | <b>365</b>          |                                    |

- (i) The date and time of the first information of a service interruption: August 25, 2023 at 0051.
- (j) The date and time that repair crews were assembled: August 25, 2023 at 0051.

- (k) The actual time that service was restored to the last affected customer: August 27, 2023 at 1510. Additionally, Penn Power was able to restore 52% 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:

| <b>Equipment</b>             | <b>Number</b> |
|------------------------------|---------------|
| Primary Spans Down           | 115           |
| Secondary Spans Replaced     | 52            |
| Crossarms Replaced           | 32            |
| Cutouts Replaced             | 60            |
| Poles Replaced               | 21            |
| Transformers Replaced        | 13            |
| Wire & Cable Replaced (feet) | 25,321        |

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.

- (m) 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 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 |
|---------|-------------------------------|------------------------------------|----------------------------------|-------------------------------------|---------------------------|
| 700571  | Mercer                        | 14                                 | 3,688                            | 08/25/2023 0107                     | 08/27/2023 1435           |
| 705489  | Mercer                        | 3                                  | 3,551                            | 08/25/2023 0111                     | 08/27/2023 1222           |
| 677352  | Mercer                        | 1                                  | 3,543                            | 08/25/2023 0130                     | 08/27/2023 1233           |
| 687050  | Mercer                        | 3                                  | 3,511                            | 08/25/2023 0106                     | 08/27/2023 1137           |
| 697533  | Mercer                        | 1                                  | 3,443                            | 08/25/2023 0134                     | 08/27/2023 1057           |
| 675843  | Crawford                      | 16                                 | 3,391                            | 08/25/2023 0104                     | 08/27/2023 0935           |
| 692741  | Mercer                        | 1                                  | 3,372                            | 08/25/2023 0235                     | 08/27/2023 1047           |
| 709506  | Mercer                        | 4                                  | 3,315                            | 08/25/2023 0340                     | 08/27/2023 1055           |
| 679601  | Mercer                        | 3                                  | 2,972                            | 08/25/2023 0816                     | 08/27/2023 0948           |
| 710368  | Mercer                        | 17                                 | 2,745                            | 08/25/2023 1450                     | 08/27/2023 1235           |
| 678506  | Mercer                        | 3                                  | 2,687                            | 08/25/2023 0223                     | 08/26/2023 2310           |
| 698495  | Mercer                        | 1                                  | 2,626                            | 08/25/2023 0249                     | 08/26/2023 2235           |
| 707052  | Mercer                        | 16                                 | 2,610                            | 08/25/2023 0116                     | 08/26/2023 2046           |
| 700315  | Mercer                        | 1                                  | 2,602                            | 08/25/2023 0110                     | 08/26/2023 2032           |
| 679328  | Mercer                        | 6                                  | 2,590                            | 08/25/2023 0116                     | 08/26/2023 2026           |
| 681176  | Mercer                        | 132                                | 2,562                            | 08/25/2023 0108                     | 08/26/2023 1950           |
| 693923  | Mercer                        | 27                                 | 2,537                            | 08/25/2023 0112                     | 08/26/2023 1929           |
| 692633  | Mercer                        | 7                                  | 2,524                            | 08/25/2023 0121                     | 08/26/2023 1925           |
| 684901  | Lawrence                      | 1                                  | 2,511                            | 08/25/2023 0754                     | 08/27/2023 0145           |
| 705259  | Mercer                        | 29                                 | 2,478                            | 08/25/2023 0057                     | 08/26/2023 1815           |
| 681065  | Mercer                        | 34                                 | 2,430                            | 08/25/2023 0116                     | 08/26/2023 1746           |
| 676931  | Mercer                        | 7                                  | 2,427                            | 08/25/2023 0120                     | 08/26/2023 1747           |
| 706751  | Mercer                        | 2                                  | 2,415                            | 08/25/2023 0125                     | 08/26/2023 1740           |
| 678316  | Mercer                        | 3                                  | 2,401                            | 08/25/2023 0211                     | 08/26/2023 1812           |
| 677195  | Mercer                        | 20                                 | 2,400                            | 08/25/2023 0126                     | 08/26/2023 1726           |
| 677752  | Mercer                        | 20                                 | 2,381                            | 08/25/2023 0144                     | 08/26/2023 1725           |
| 685512  | Mercer                        | 39                                 | 2,366                            | 08/25/2023 0134                     | 08/26/2023 1700           |
| 676649  | Lawrence                      | 3                                  | 2,343                            | 08/25/2023 0115                     | 08/26/2023 1618           |
| 684885  | Mercer                        | 2                                  | 2,341                            | 08/25/2023 0124                     | 08/26/2023 1625           |
| 689250  | Mercer                        | 11                                 | 2,324                            | 08/25/2023 0106                     | 08/26/2023 1550           |
| 676679  | Mercer                        | 12                                 | 2,294                            | 08/25/2023 0115                     | 08/26/2023 1529           |
| 704263  | Mercer                        | 8                                  | 2,293                            | 08/25/2023 0114                     | 08/26/2023 1527           |
| 678398  | Mercer                        | 4                                  | 2,277                            | 08/25/2023 0218                     | 08/26/2023 1615           |

<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.

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| 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 |
|---------|-------------------------------|------------------------------------|----------------------------------|-------------------------------------|---------------------------|
| 706273  | Mercer                        | 2                                  | 2,266                            | 08/25/2023 0537                     | 08/26/2023 1923           |
| 677205  | Lawrence                      | 4                                  | 2,253                            | 08/25/2023 0126                     | 08/26/2023 1459           |
| 679320  | Mercer                        | 20                                 | 2,235                            | 08/25/2023 0111                     | 08/26/2023 1426           |
| 698442  | Mercer                        | 20                                 | 2,214                            | 08/25/2023 0115                     | 08/26/2023 1409           |
| 682860  | Mercer                        | 51                                 | 2,211                            | 08/25/2023 0057                     | 08/26/2023 1348           |
| 697818  | Mercer                        | 32                                 | 2,207                            | 08/25/2023 0643                     | 08/26/2023 1930           |
| 681540  | Lawrence                      | 1                                  | 2,201                            | 08/25/2023 0530                     | 08/26/2023 1811           |
| 696445  | Lawrence                      | 1                                  | 2,197                            | 08/25/2023 0708                     | 08/26/2023 1945           |
| 679307  | Lawrence                      | 3                                  | 2,172                            | 08/25/2023 0321                     | 08/26/2023 1533           |
| 705066  | Mercer                        | 23                                 | 2,159                            | 08/25/2023 0107                     | 08/26/2023 1306           |
| 682710  | Mercer                        | 1                                  | 2,156                            | 08/25/2023 0107                     | 08/26/2023 1303           |
| 679398  | Mercer                        | 45                                 | 2,151                            | 08/25/2023 0110                     | 08/26/2023 1301           |
| 701248  | Mercer                        | 2                                  | 2,146                            | 08/26/2023 0044                     | 08/27/2023 1230           |
| 676519  | Mercer                        | 13                                 | 2,141                            | 08/25/2023 0113                     | 08/26/2023 1254           |
| 676983  | Lawrence                      | 4                                  | 2,112                            | 08/25/2023 0121                     | 08/26/2023 1233           |
| 675638  | Mercer                        | 21                                 | 2,112                            | 08/25/2023 0101                     | 08/26/2023 1213           |
| 675968  | Mercer                        | 51                                 | 2,103                            | 08/25/2023 0106                     | 08/26/2023 1209           |
| 701249  | Mercer                        | 2                                  | 2,064                            | 08/26/2023 0333                     | 08/27/2023 1357           |
| 677044  | Mercer                        | 27                                 | 2,036                            | 08/25/2023 0122                     | 08/26/2023 1118           |
| 678966  | Lawrence                      | 1                                  | 2,035                            | 08/25/2023 0255                     | 08/26/2023 1250           |
| 676007  | Mercer                        | 82                                 | 2,034                            | 08/25/2023 0106                     | 08/26/2023 1100           |
| 682833  | Mercer                        | 118                                | 2,018                            | 08/25/2023 0057                     | 08/26/2023 1035           |
| 676578  | Lawrence                      | 10                                 | 2,006                            | 08/25/2023 0114                     | 08/26/2023 1040           |
| 676820  | Lawrence                      | 8                                  | 2,005                            | 08/25/2023 0118                     | 08/26/2023 1043           |
| 679946  | Mercer                        | 2                                  | 1,982                            | 08/25/2023 0359                     | 08/26/2023 1301           |
| 682152  | Mercer                        | 46                                 | 1,981                            | 08/25/2023 0101                     | 08/26/2023 1002           |
| 676015  | Mercer                        | 79                                 | 1,964                            | 08/25/2023 0106                     | 08/26/2023 0950           |
| 683218  | Mercer                        | 1                                  | 1,954                            | 08/25/2023 0655                     | 08/26/2023 1529           |
| 681531  | Mercer                        | 1                                  | 1,942                            | 08/25/2023 0529                     | 08/26/2023 1351           |
| 676877  | Beaver                        | 8                                  | 1,923                            | 08/25/2023 0119                     | 08/26/2023 0922           |
| 691774  | Mercer                        | 1                                  | 1,884                            | 08/25/2023 1242                     | 08/26/2023 2006           |
| 681852  | Lawrence                      | 3                                  | 1,837                            | 08/25/2023 0552                     | 08/26/2023 1229           |
| 678144  | Lawrence                      | 14                                 | 1,836                            | 08/25/2023 0201                     | 08/26/2023 0837           |
| 689730  | Crawford                      | 4                                  | 1,813                            | 08/26/2023 0833                     | 08/27/2023 1446           |
| 698394  | Lawrence                      | 1                                  | 1,702                            | 08/25/2023 1938                     | 08/27/2023 0000           |
| 705425  | Mercer                        | 1                                  | 1,632                            | 08/26/2023 1112                     | 08/27/2023 1424           |
| 693226  | Lawrence                      | 11                                 | 1,602                            | 08/25/2023 1348                     | 08/26/2023 1630           |
| 695899  | Mercer                        | 2                                  | 1,582                            | 08/25/2023 1609                     | 08/26/2023 1831           |

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| 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 |
|---------|-------------------------------|------------------------------------|----------------------------------|-------------------------------------|---------------------------|
| 702985  | Lawrence                      | 2                                  | 1,545                            | 08/25/2023 0841                     | 08/26/2023 1026           |
| 697684  | Mercer                        | 2                                  | 1,528                            | 08/25/2023 1813                     | 08/26/2023 1941           |
| 693606  | Lawrence                      | 2                                  | 1,486                            | 08/25/2023 1418                     | 08/26/2023 1504           |
| 678124  | Mercer                        | 1                                  | 1,460                            | 08/25/2023 0200                     | 08/26/2023 0220           |
| 686827  | Mercer                        | 8                                  | 1,218                            | 08/25/2023 1536                     | 08/26/2023 1154           |
| 677744  | Mercer                        | 7                                  | 1,207                            | 08/25/2023 0144                     | 08/25/2023 2151           |
| 677273  | Lawrence                      | 22                                 | 1,181                            | 08/25/2023 0128                     | 08/25/2023 2109           |
| 676043  | Mercer                        | 5                                  | 1,114                            | 08/25/2023 0107                     | 08/25/2023 1941           |
| 677634  | Mercer                        | 6                                  | 1,092                            | 08/25/2023 0139                     | 08/25/2023 1951           |
| 677551  | Beaver                        | 5                                  | 1,078                            | 08/25/2023 0136                     | 08/25/2023 1934           |
| 677953  | Beaver                        | 1                                  | 1,070                            | 08/25/2023 0152                     | 08/25/2023 1942           |
| 681974  | Mercer                        | 438                                | 1,069                            | 08/25/2023 0101                     | 08/25/2023 1850           |
| 677696  | Mercer                        | 1                                  | 1,046                            | 08/25/2023 0142                     | 08/25/2023 1908           |
| 700930  | Mercer                        | 2                                  | 1,014                            | 08/26/2023 0239                     | 08/26/2023 1933           |
| 678894  | Mercer                        | 2                                  | 1,011                            | 08/25/2023 0249                     | 08/25/2023 1940           |
| 677484  | Mercer                        | 1                                  | 976                              | 08/25/2023 0134                     | 08/25/2023 1750           |
| 703329  | Lawrence                      | 23                                 | 975                              | 08/25/2023 2123                     | 08/26/2023 1338           |
| 703308  | Lawrence                      | 24                                 | 975                              | 08/25/2023 2123                     | 08/26/2023 1338           |
| 681451  | Lawrence                      | 13                                 | 954                              | 08/25/2023 0524                     | 08/25/2023 2118           |
| 676765  | Beaver                        | 71                                 | 946                              | 08/25/2023 0118                     | 08/25/2023 1704           |
| 693205  | Mercer                        | 1                                  | 944                              | 08/25/2023 0101                     | 08/25/2023 1645           |
| 676978  | Lawrence                      | 15                                 | 885                              | 08/25/2023 0121                     | 08/25/2023 1606           |
| 677654  | Beaver                        | 1                                  | 882                              | 08/25/2023 0140                     | 08/25/2023 1622           |
| 678083  | Lawrence                      | 8                                  | 882                              | 08/25/2023 0157                     | 08/25/2023 1639           |
| 676591  | Mercer                        | 16                                 | 844                              | 08/25/2023 0114                     | 08/25/2023 1518           |
| 697567  | Lawrence                      | 27                                 | 841                              | 08/25/2023 1759                     | 08/26/2023 0800           |
| 677731  | Beaver                        | 8                                  | 837                              | 08/25/2023 0143                     | 08/25/2023 1540           |
| 679321  | Mercer                        | 94                                 | 835                              | 08/25/2023 0111                     | 08/25/2023 1506           |
| 676042  | Mercer                        | 3                                  | 833                              | 08/25/2023 0107                     | 08/25/2023 1500           |
| 677802  | Allegheny                     | 19                                 | 822                              | 08/25/2023 0146                     | 08/25/2023 1528           |
| 676679  | Mercer                        | 196                                | 815                              | 08/25/2023 0115                     | 08/25/2023 1450           |
| 679272  | Beaver                        | 6                                  | 815                              | 08/25/2023 0318                     | 08/25/2023 1653           |
| 676403  | Mercer                        | 3                                  | 806                              | 08/25/2023 0112                     | 08/25/2023 1438           |
| 677163  | Mercer                        | 11                                 | 785                              | 08/25/2023 0125                     | 08/25/2023 1430           |
| 680586  | Beaver                        | 17                                 | 778                              | 08/25/2023 0127                     | 08/25/2023 1425           |
| 680123  | Lawrence                      | 14                                 | 736                              | 08/25/2023 0117                     | 08/25/2023 1333           |
| 678396  | Mercer                        | 12                                 | 724                              | 08/25/2023 0216                     | 08/25/2023 1420           |
| 678010  | Mercer                        | 9                                  | 720                              | 08/25/2023 0155                     | 08/25/2023 1355           |

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| 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 |
|---------|-------------------------------|------------------------------------|----------------------------------|-------------------------------------|---------------------------|
| 676308  | Mercer                        | 13                                 | 720                              | 08/25/2023 0110                     | 08/25/2023 1310           |
| 678498  | Butler                        | 24                                 | 717                              | 08/25/2023 0223                     | 08/25/2023 1420           |
| 676531  | Mercer                        | 3                                  | 703                              | 08/25/2023 0113                     | 08/25/2023 1256           |
| 685282  | Allegheny                     | 81                                 | 696                              | 08/25/2023 0144                     | 08/25/2023 1320           |
| 676991  | Mercer                        | 77                                 | 687                              | 08/25/2023 0121                     | 08/25/2023 1248           |
| 677333  | Lawrence                      | 25                                 | 681                              | 08/25/2023 0129                     | 08/25/2023 1250           |
| 680227  | Crawford                      | 1                                  | 673                              | 08/25/2023 0106                     | 08/25/2023 1219           |
| 677966  | Allegheny                     | 48                                 | 663                              | 08/25/2023 0152                     | 08/25/2023 1255           |
| 703141  | Lawrence                      | 54                                 | 662                              | 08/26/2023 0233                     | 08/26/2023 1335           |
| 678637  | Butler                        | 1                                  | 661                              | 08/25/2023 0229                     | 08/25/2023 1330           |
| 676945  | Lawrence                      | 47                                 | 658                              | 08/25/2023 0120                     | 08/25/2023 1218           |
| 677936  | Butler                        | 2                                  | 647                              | 08/25/2023 0151                     | 08/25/2023 1238           |
| 678714  | Mercer                        | 6                                  | 638                              | 08/25/2023 0235                     | 08/25/2023 1313           |
| 679322  | Mercer                        | 23                                 | 638                              | 08/25/2023 0112                     | 08/25/2023 1150           |
| 677456  | Beaver                        | 3                                  | 637                              | 08/25/2023 0133                     | 08/25/2023 1210           |
| 682648  | Butler                        | 3                                  | 632                              | 08/25/2023 0634                     | 08/25/2023 1706           |
| 681364  | Mercer                        | 27                                 | 631                              | 08/25/2023 0519                     | 08/25/2023 1550           |
| 679342  | Mercer                        | 4                                  | 610                              | 08/25/2023 0126                     | 08/25/2023 1136           |
| 681253  | Allegheny                     | 8                                  | 594                              | 08/25/2023 0513                     | 08/25/2023 1507           |
| 678921  | Mercer                        | 1                                  | 583                              | 08/25/2023 0251                     | 08/25/2023 1234           |
| 677741  | Allegheny                     | 212                                | 582                              | 08/25/2023 0144                     | 08/25/2023 1126           |
| 677955  | Beaver                        | 13                                 | 578                              | 08/25/2023 0152                     | 08/25/2023 1130           |
| 676018  | Mercer                        | 21                                 | 577                              | 08/25/2023 0106                     | 08/25/2023 1043           |
| 689007  | Crawford                      | 5                                  | 576                              | 08/25/2023 0239                     | 08/25/2023 1215           |
| 677737  | Beaver                        | 23                                 | 575                              | 08/25/2023 0143                     | 08/25/2023 1118           |
| 681854  | Mercer                        | 1                                  | 568                              | 08/25/2023 0552                     | 08/25/2023 1520           |
| 679192  | Beaver                        | 2                                  | 563                              | 08/25/2023 0312                     | 08/25/2023 1235           |
| 698798  | Mercer                        | 3                                  | 557                              | 08/25/2023 2011                     | 08/26/2023 0528           |
| 683817  | Lawrence                      | 29                                 | 547                              | 08/25/2023 0454                     | 08/25/2023 1401           |
| 708691  | Butler                        | 1                                  | 530                              | 08/27/2023 0350                     | 08/27/2023 1240           |
| 703060  | Mercer                        | 1                                  | 528                              | 08/26/2023 0935                     | 08/26/2023 1823           |
| 677796  | Allegheny                     | 7                                  | 526                              | 08/25/2023 0146                     | 08/25/2023 1032           |
| 676817  | Crawford                      | 6                                  | 525                              | 08/25/2023 0118                     | 08/25/2023 1003           |
| 691657  | Mercer                        | 48                                 | 524                              | 08/25/2023 1146                     | 08/25/2023 2030           |
| 676981  | Lawrence                      | 23                                 | 519                              | 08/25/2023 0121                     | 08/25/2023 1000           |
| 688470  | Lawrence                      | 22                                 | 519                              | 08/25/2023 0121                     | 08/25/2023 1000           |
| 678040  | Mercer                        | 24                                 | 514                              | 08/25/2023 0155                     | 08/25/2023 1029           |
| 678649  | Mercer                        | 16                                 | 509                              | 08/25/2023 0153                     | 08/25/2023 1022           |

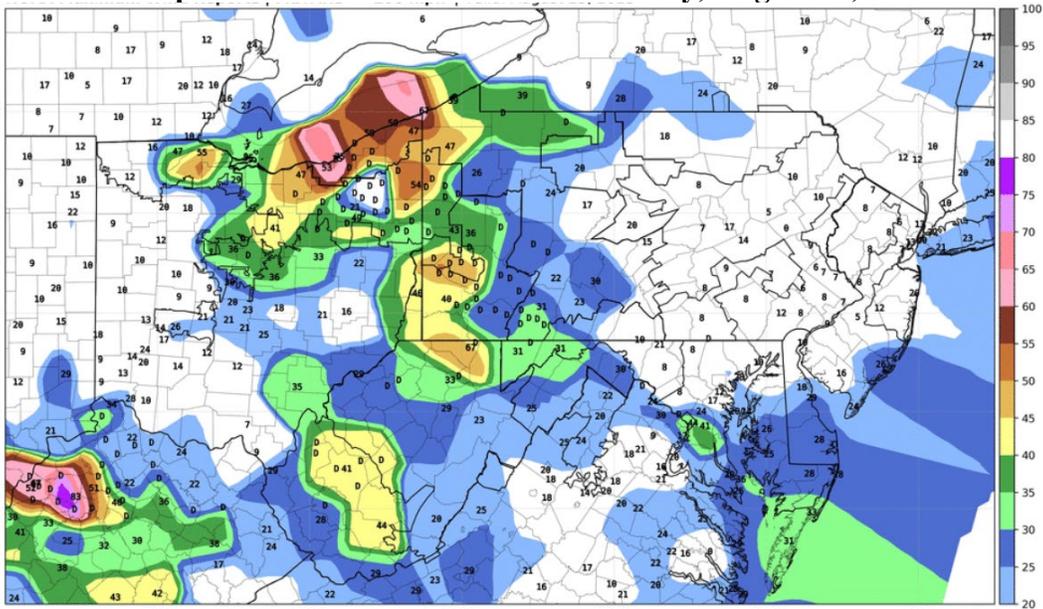
Penn Power Storm Report

| 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 |
|-------------------------------|-------------------------------|------------------------------------|----------------------------------|-------------------------------------|---------------------------|
| 679962                        | Mercer                        | 79                                 | 509                              | 08/25/2023 0101                     | 08/25/2023 0930           |
| 679900                        | Beaver                        | 18                                 | 495                              | 08/25/2023 0355                     | 08/25/2023 1210           |
| 680809                        | Mercer                        | 20                                 | 489                              | 08/25/2023 0116                     | 08/25/2023 0925           |
| 676153                        | Mercer                        | 33                                 | 487                              | 08/25/2023 0108                     | 08/25/2023 0915           |
| 677937                        | Beaver                        | 102                                | 485                              | 08/25/2023 0151                     | 08/25/2023 0956           |
| 676432                        | Mercer                        | 19                                 | 482                              | 08/25/2023 0112                     | 08/25/2023 0914           |
| 701699                        | Mercer                        | 8                                  | 474                              | 08/26/2023 0608                     | 08/26/2023 1402           |
| 702208                        | Mercer                        | 10                                 | 469                              | 08/26/2023 0706                     | 08/26/2023 1455           |
| 677679                        | Beaver                        | 38                                 | 461                              | 08/25/2023 0141                     | 08/25/2023 0922           |
| 676568                        | Mercer                        | 16                                 | 460                              | 08/25/2023 0114                     | 08/25/2023 0854           |
| 676067                        | Mercer                        | 30                                 | 444                              | 08/25/2023 0107                     | 08/25/2023 0831           |
| 676456                        | Crawford                      | 12                                 | 441                              | 08/25/2023 0112                     | 08/25/2023 0833           |
| 677361                        | Beaver                        | 12                                 | 428                              | 08/25/2023 0130                     | 08/25/2023 0838           |
| 685799                        | Lawrence                      | 24                                 | 426                              | 08/25/2023 0123                     | 08/25/2023 0829           |
| 683119                        | Allegheny                     | 24                                 | 425                              | 08/25/2023 0149                     | 08/25/2023 0854           |
| 686461                        | Allegheny                     | 60                                 | 425                              | 08/25/2023 0145                     | 08/25/2023 0850           |
| 677792                        | Allegheny                     | 271                                | 425                              | 08/25/2023 0145                     | 08/25/2023 0850           |
| 677713                        | Allegheny                     | 70                                 | 410                              | 08/25/2023 0142                     | 08/25/2023 0832           |
| 685461                        | Beaver                        | 238                                | 394                              | 08/25/2023 0129                     | 08/25/2023 0803           |
| 708999                        | Butler                        | 58                                 | 389                              | 08/27/2023 0456                     | 08/27/2023 1125           |
| 681080                        | Beaver                        | 9                                  | 388                              | 08/25/2023 0443                     | 08/25/2023 1111           |
| 677743                        | Allegheny                     | 15                                 | 376                              | 08/25/2023 0144                     | 08/25/2023 0800           |
| 695298                        | Beaver                        | 1                                  | 368                              | 08/25/2023 1542                     | 08/25/2023 2150           |
| 675685                        | Crawford                      | 19                                 | 364                              | 08/25/2023 0102                     | 08/25/2023 0706           |
| <b>Total Number of Orders</b> |                               |                                    | <b>171</b>                       |                                     |                           |

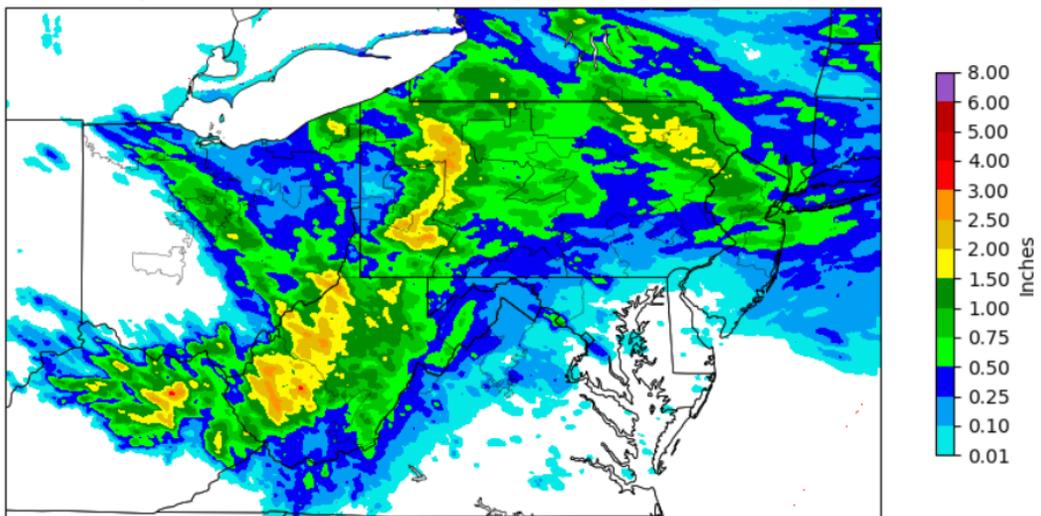
**Attachment B: Wind and Precipitation Report**

**Wind and Precipitation Reports:** Graphic 1 illustrates the maximum wind gusts in the Penn Power service territory on 25, 2023. Graphic 2 illustrates the 24-Hour Total Precipitation in the Penn Power service territory on August 25, 2023. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

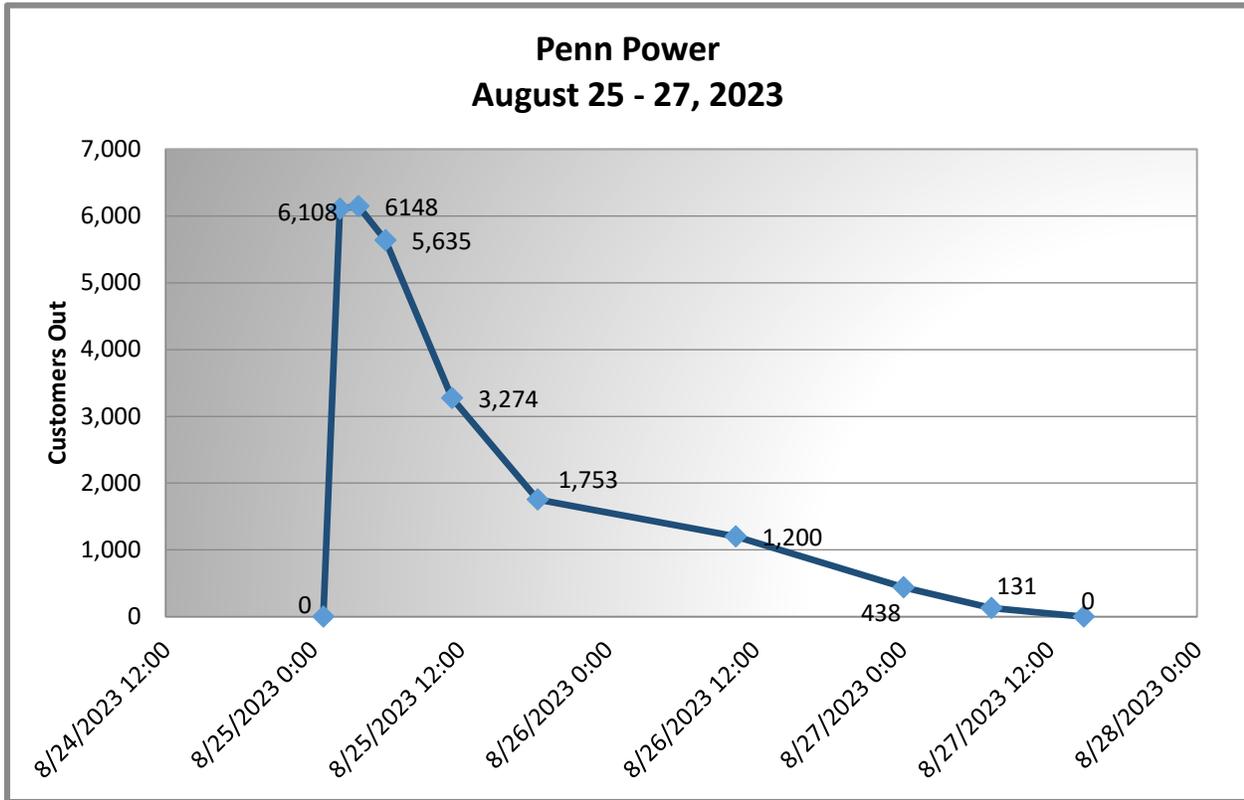
**Graphic 1: Maximum Wind Gusts: Friday, August 25, 2023**



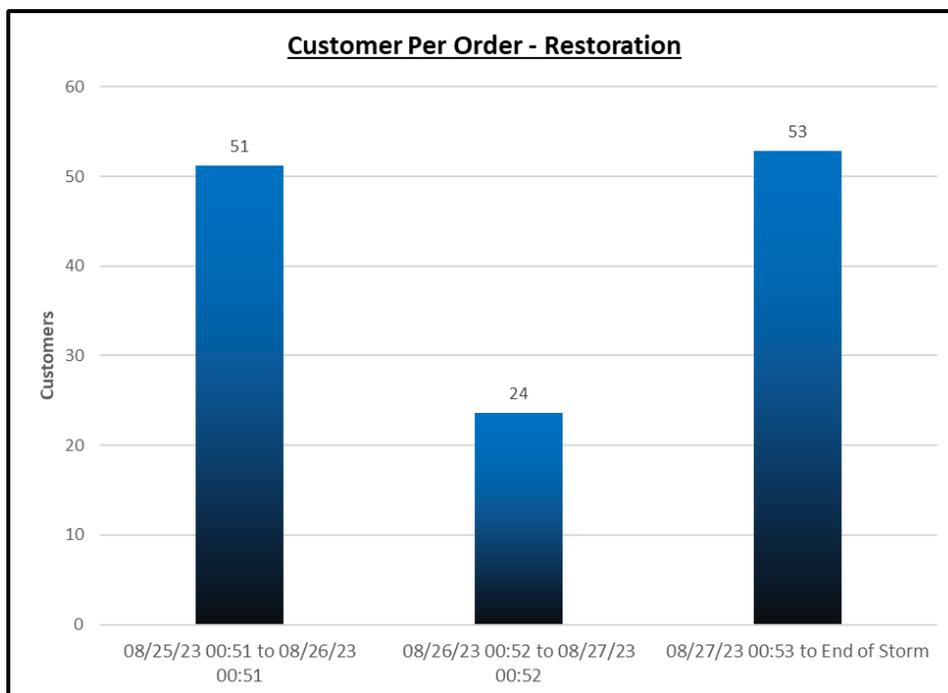
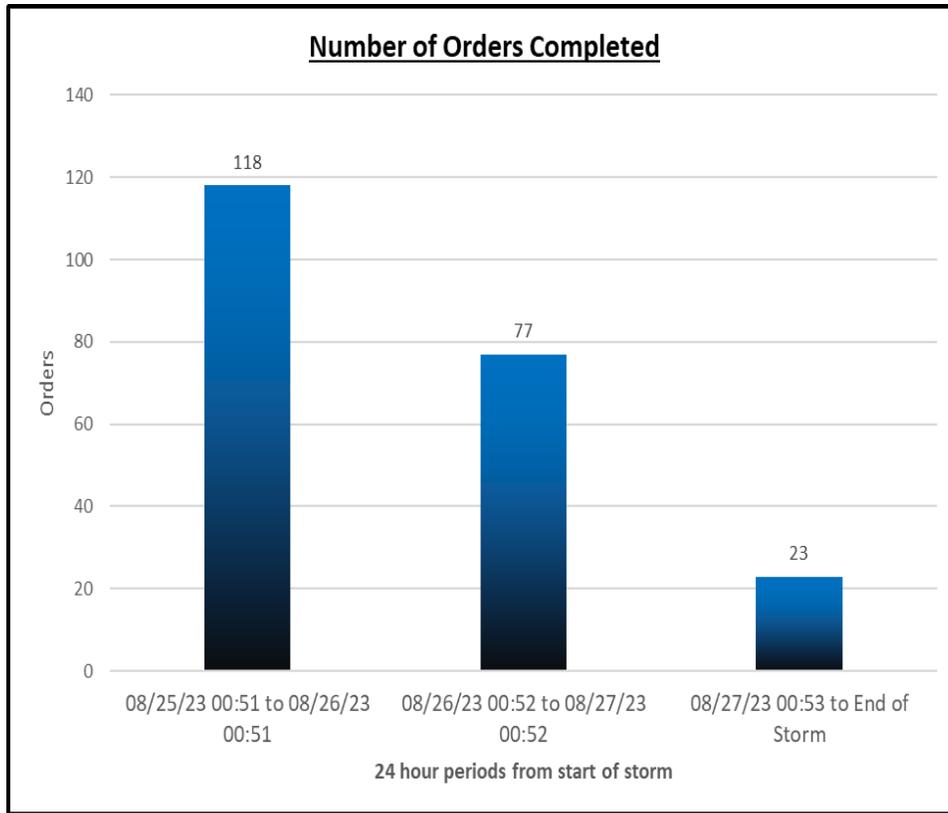
**Graphic 2: 24-Hour Total Precipitation: Friday, August 25, 2023**



Attachment C: Restoration Curve



**Attachment D: Order Restoration Graphs**



**Attachment E: Meteorologist Reports**

**Wednesday August 23, 2023 @ 0813**

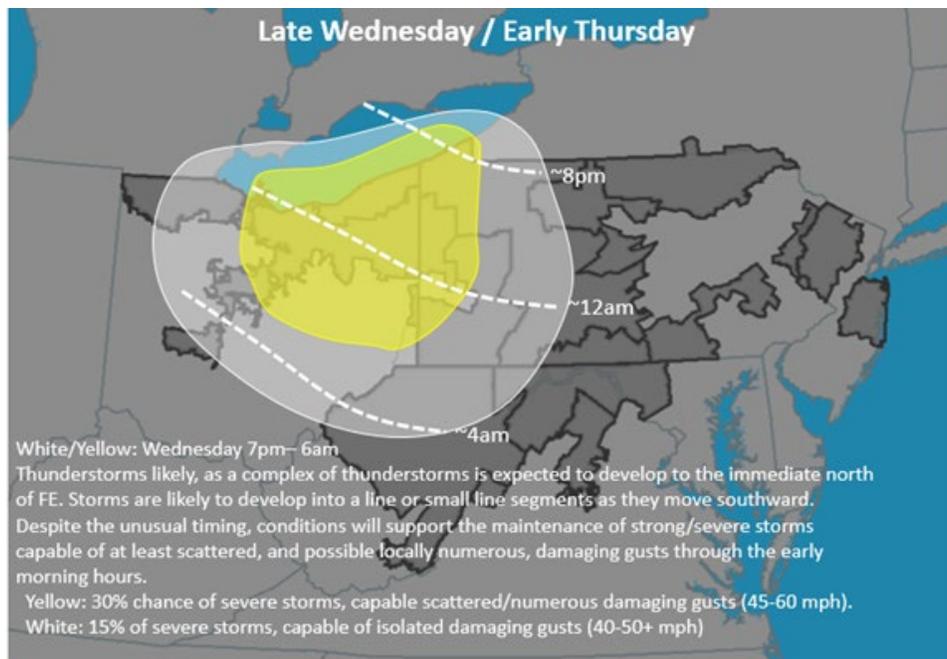
**New Issuance:**

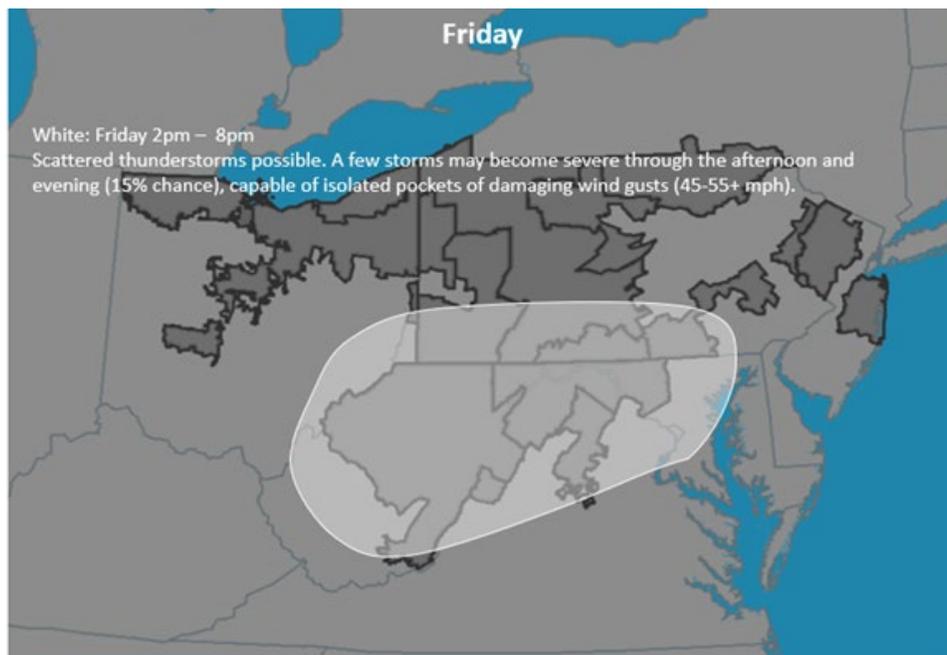
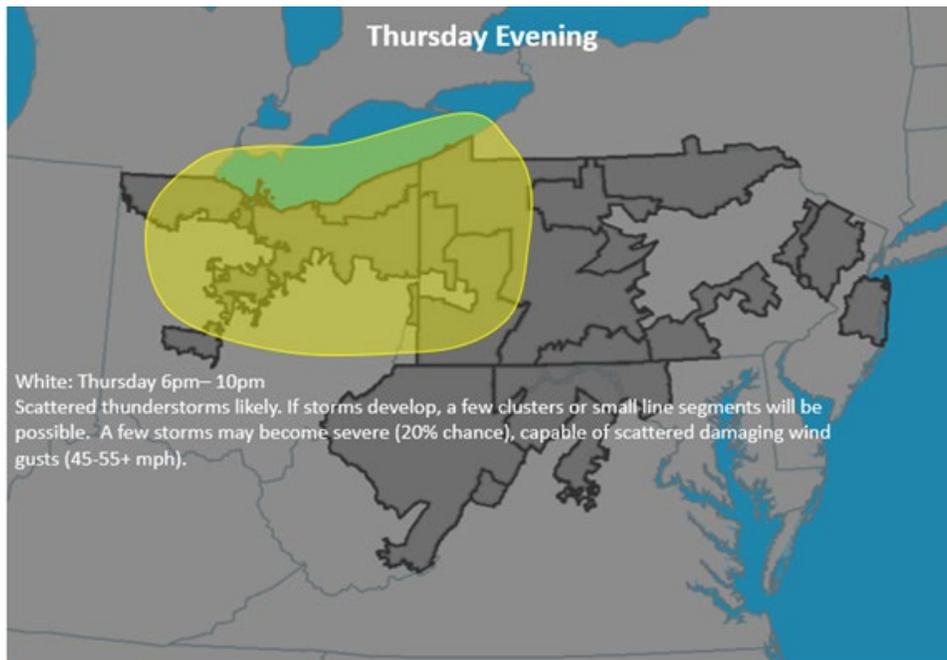
Several rounds of thunderstorms will be possible across areas of western and southern FE over the next few days.

*Wednesday night/early Thursday morning:* A cluster of thunderstorms is now expected to develop this evening to the north of FE, across portions of Michigan and Ontario. Once these storms develop, they are likely to develop into a line or several small line segments and dive south across portions of OH, western PA and possibly into WV. Despite the late night/early morning timing, conditions will support the maintenance of strong/severe storms capable of pockets of wind damage. This is a fairly unusual situation, and the forecast carries higher uncertainty than normal—future updates may be needed to address the threat as it comes closer.

*Thursday:* Another round of storms is possible across areas of OH/western PA/northern WV Thursday evening as a cold front pushes through. At least scattered severe storms are possible, which will be capable of damaging gusts. Storms developing during this period may be impacted by previous storm activity overnight Wednesday/early Thursday, and adjustments to this forecast may be necessary in future alerts if details change.

*Friday:* Isolated/scattered strong storms capable of isolated damaging gusts will be possible across portions of southern FE as the cold front continues to push through.





**Wednesday August 23, 2023 @ 1500**

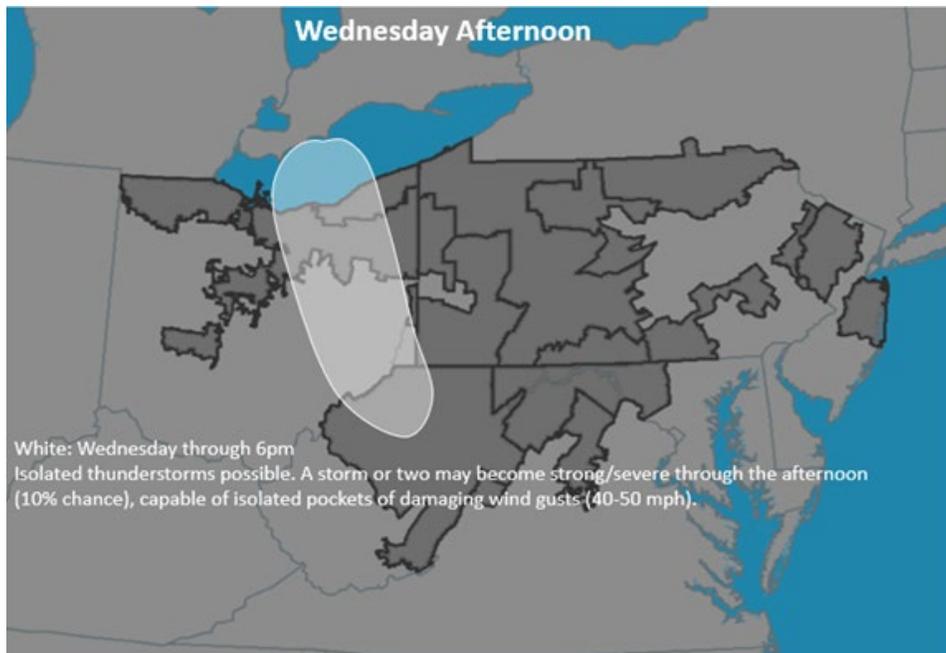
**Update:**

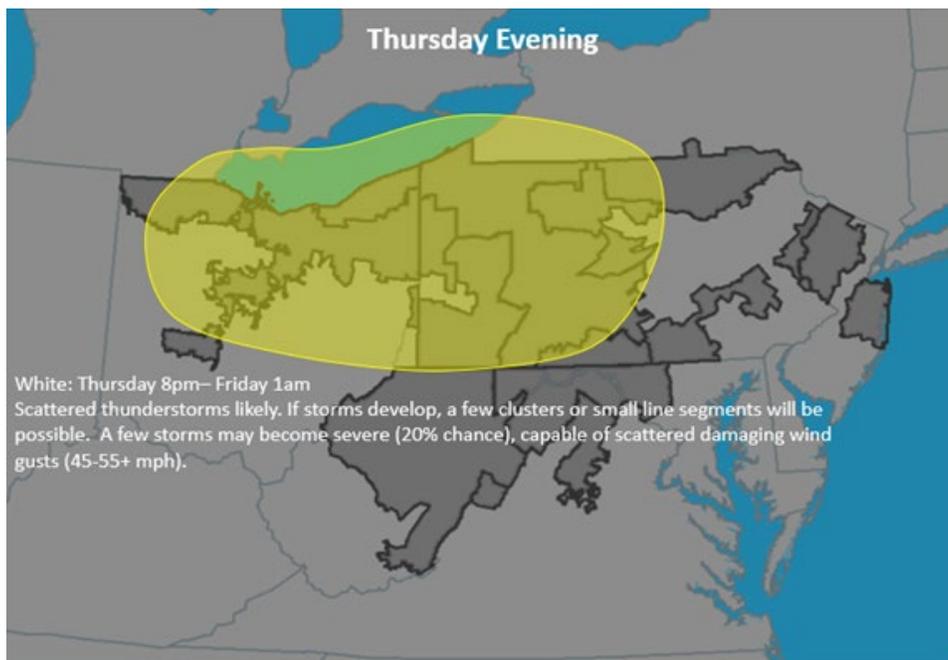
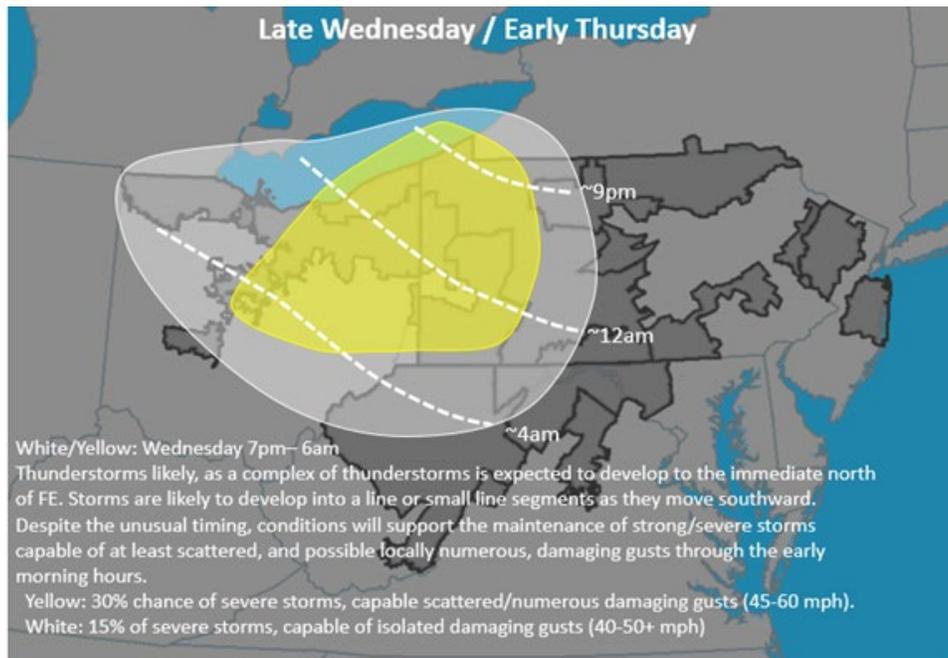
Added the mention of brief strong storm or two across central OH and far western WV for the rest of Wednesday afternoon. Any developing thunderstorm may be capable of a few isolated damaging gusts.

*Wednesday night/early Thursday morning:* Slight adjustment to threat areas, and updated timing. Main round of thunderstorms is expected to develop after sunset and push southward through FE overnight.

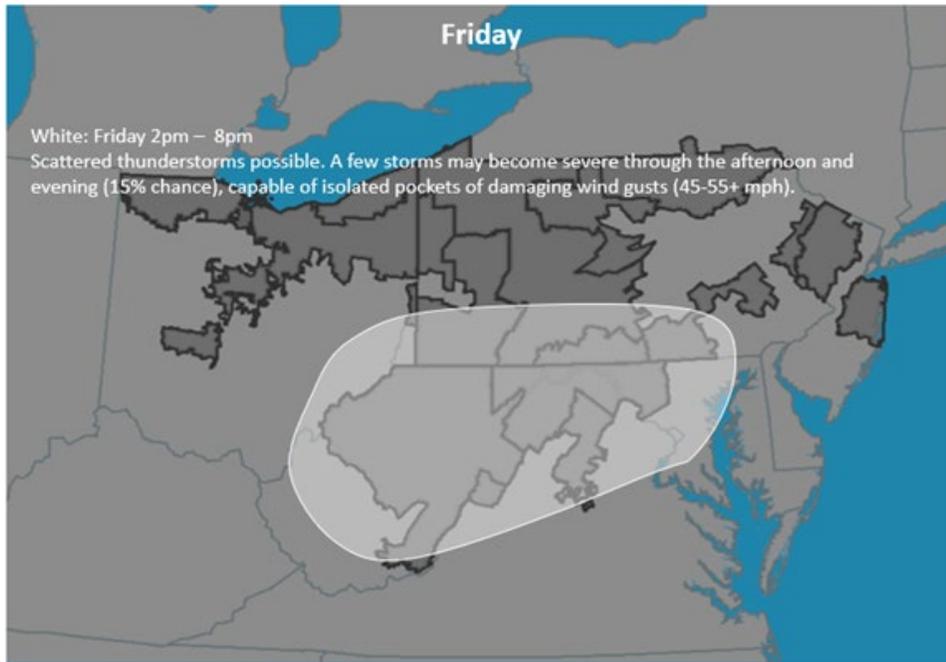
*Thursday:* Adjusted threat area, mainly to include areas further east into central PA. Also adjusted timing, as storm development continues to trend later into the evening hours.

*Friday:* No changes at this time.





Penn Power Storm Report



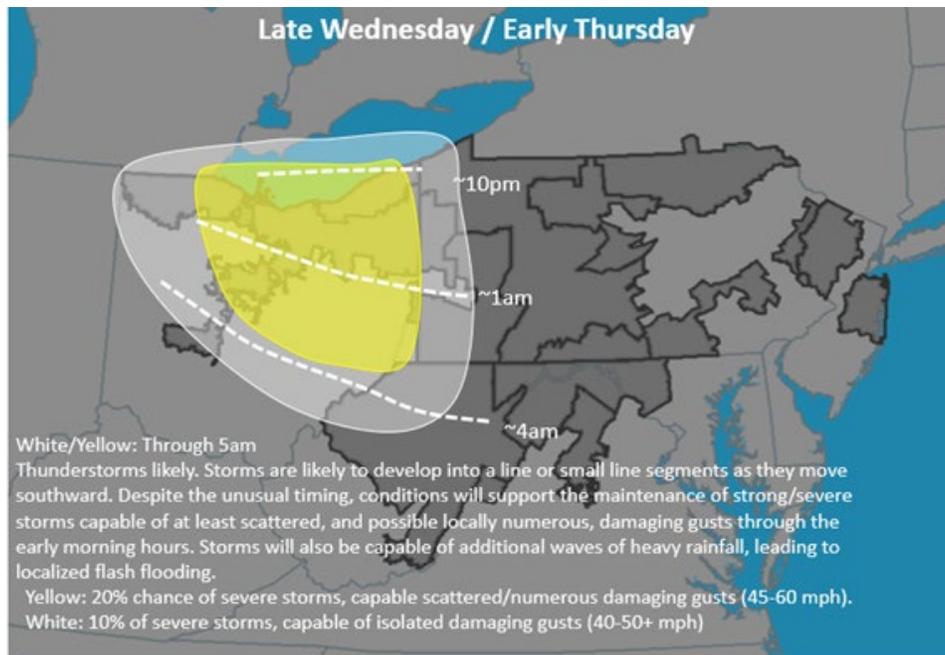
**Wednesday August 23, 2023 @ 2112**

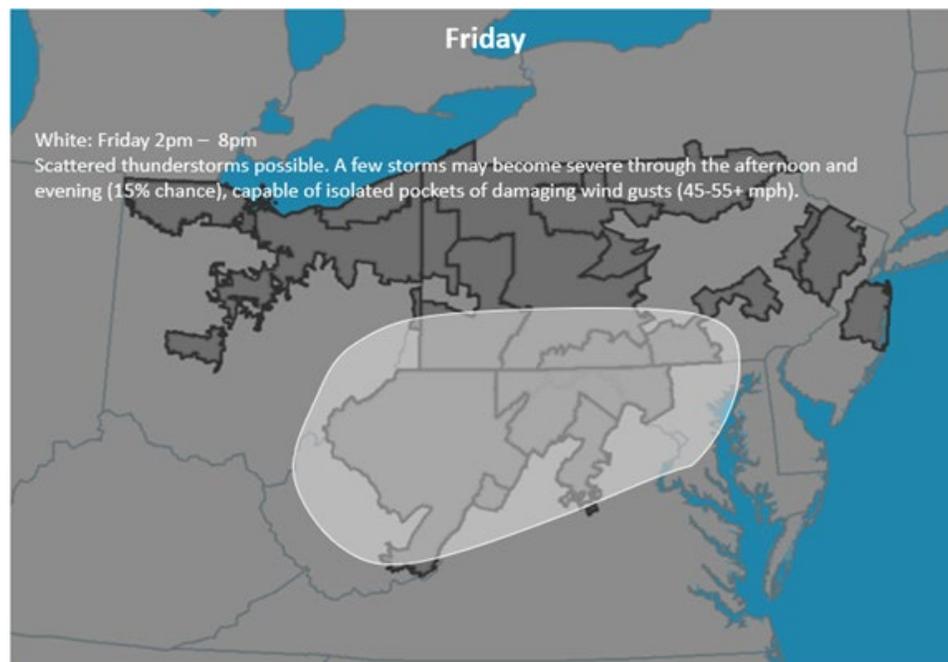
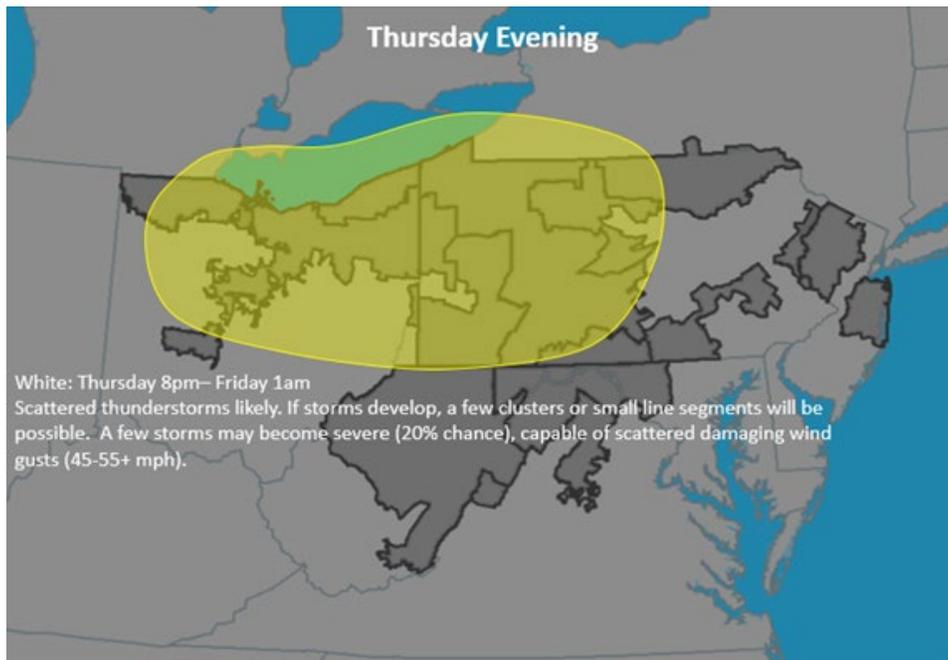
**Update:**

Wednesday night/early Thursday morning: Slight updates to the threat area, given current trends -mainly to slightly reduce overall severe storm risk, shift higher threat area a bit west into western OH, and remove some portions of PA. Multiple rounds of storms may be possible across the higher risk area over the next several hours, with the most likely runway for strong storms expected to be through central OH as storms moving continually southward. Given previous rounds of storms/rainfall across areas of eastern OH this afternoon, flash flooding will become a legitimate threat overnight as additional rounds of storms move through.

Thursday: No changes at this time.

Friday: No changes at this time.





**Thursday August 24, 2023 @ 0941**

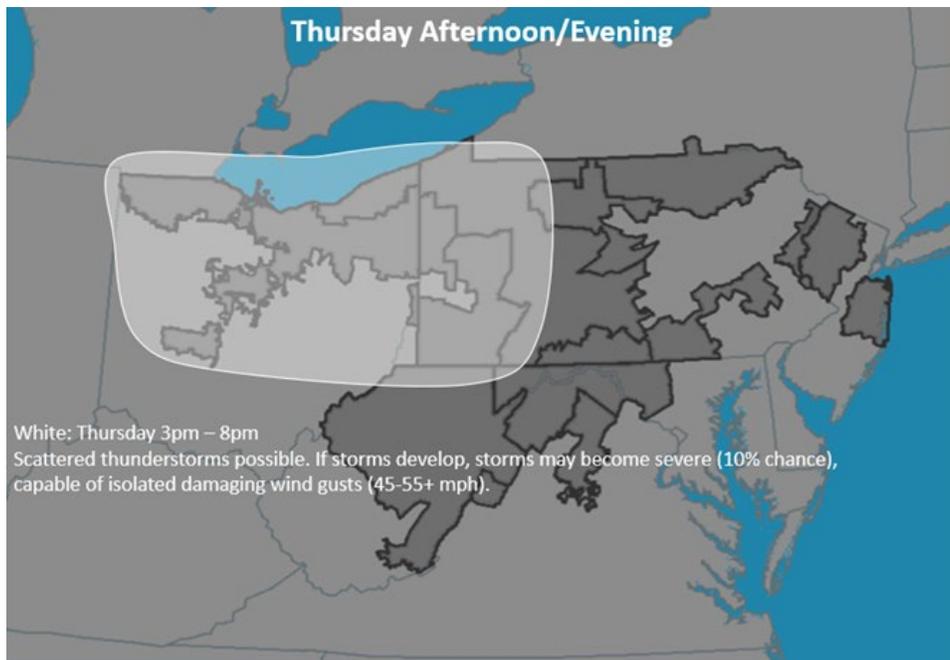
**Update:**

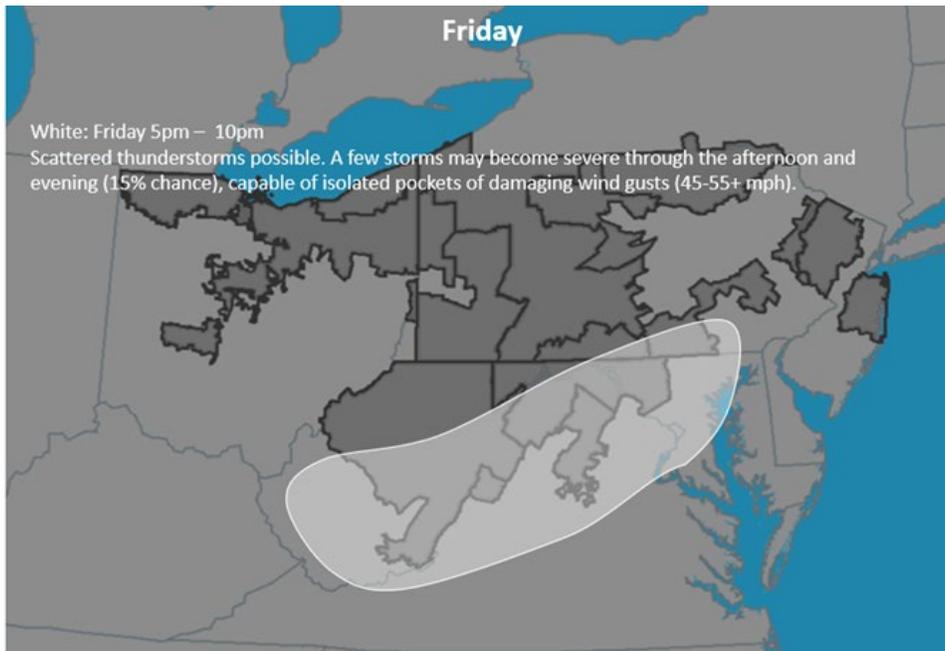
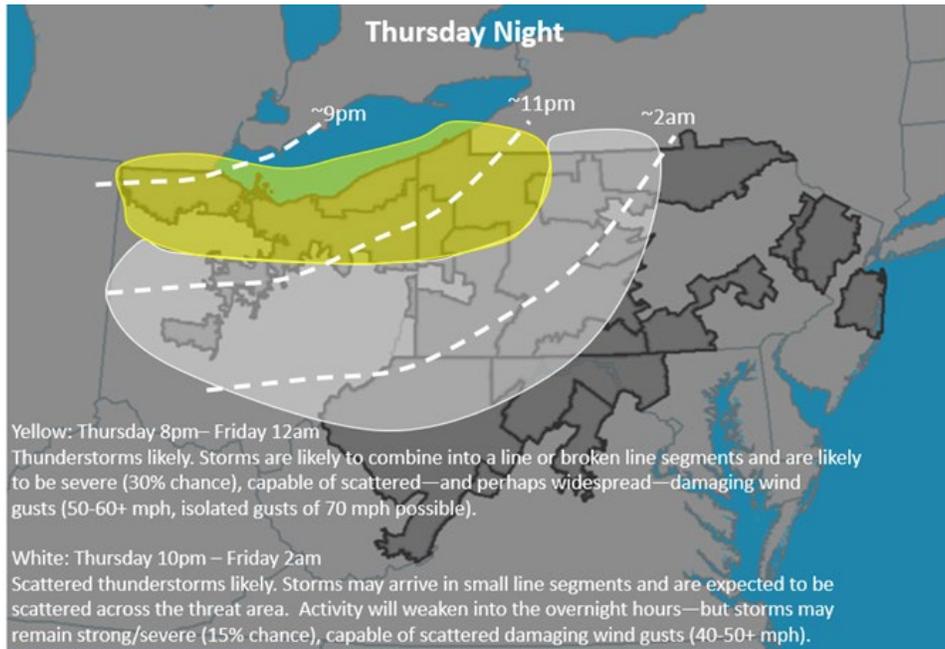
Thursday: Introduced a general risk of isolated thunderstorms for portions of western FE this afternoon.

Thursday Night: Clarified areas of highest risk of damaging storms, which is expected across portions of northern OH and northwestern PA. While there remains some uncertainty as to where and when storms may form this evening, a strong line of thunderstorms may impact these areas late Thursday evening as its moves generally east/southeast through the area. Given the expected heat and humidity, any storm activity this evening will be capable of numerous and potentially significant damaging wind gusts.

Friday: Pushed main threat area a bit south, and moved main threat window into the evening hours.

Note: very warm and humid conditions are expected develop across portions of western FE late this afternoon and evening, with heat index values likely to exceed 100 degrees in some locations.





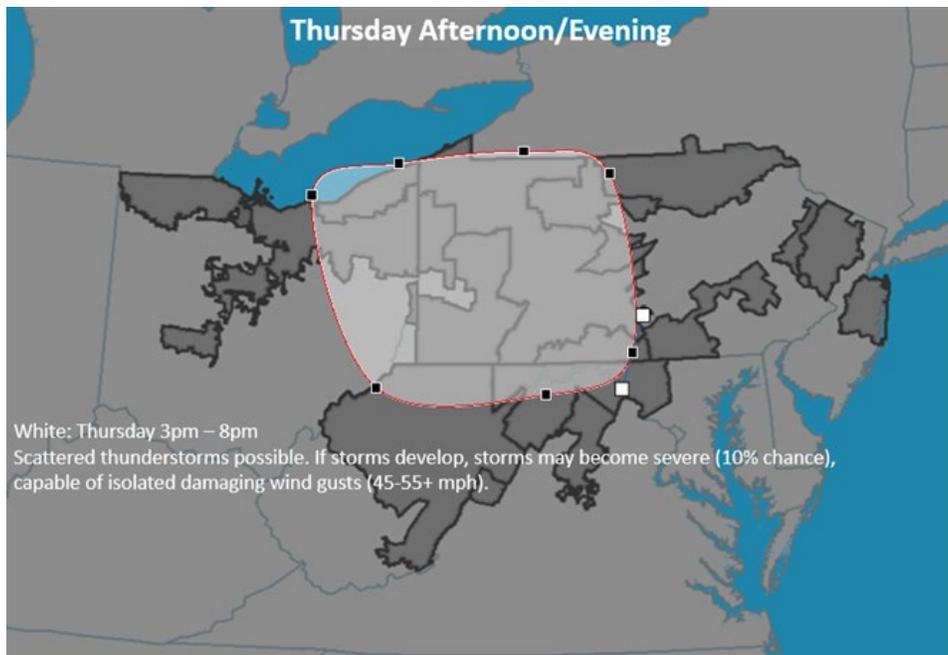
**Thursday August 24, 2023 @ 1327**

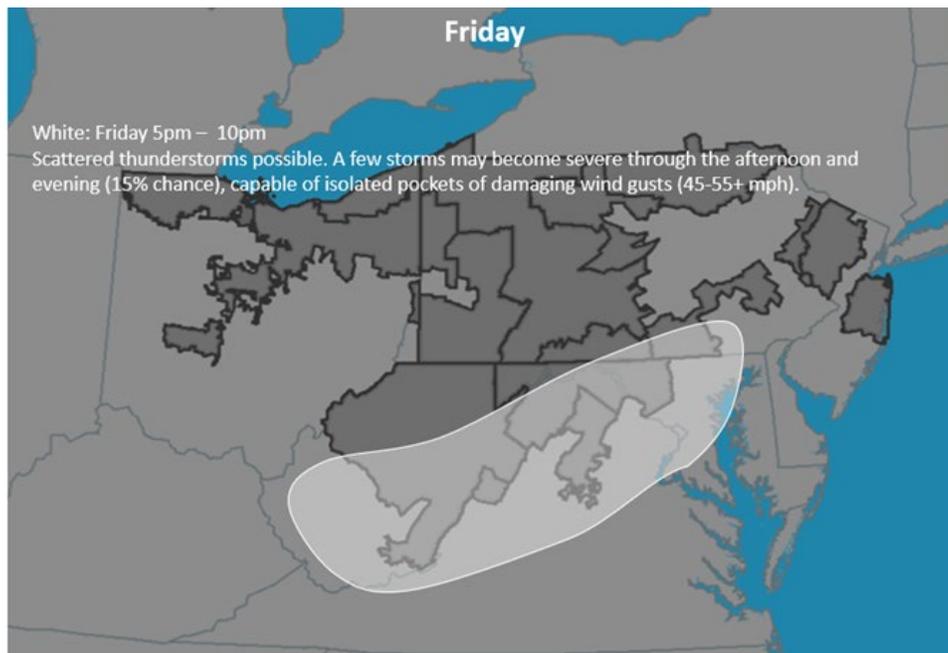
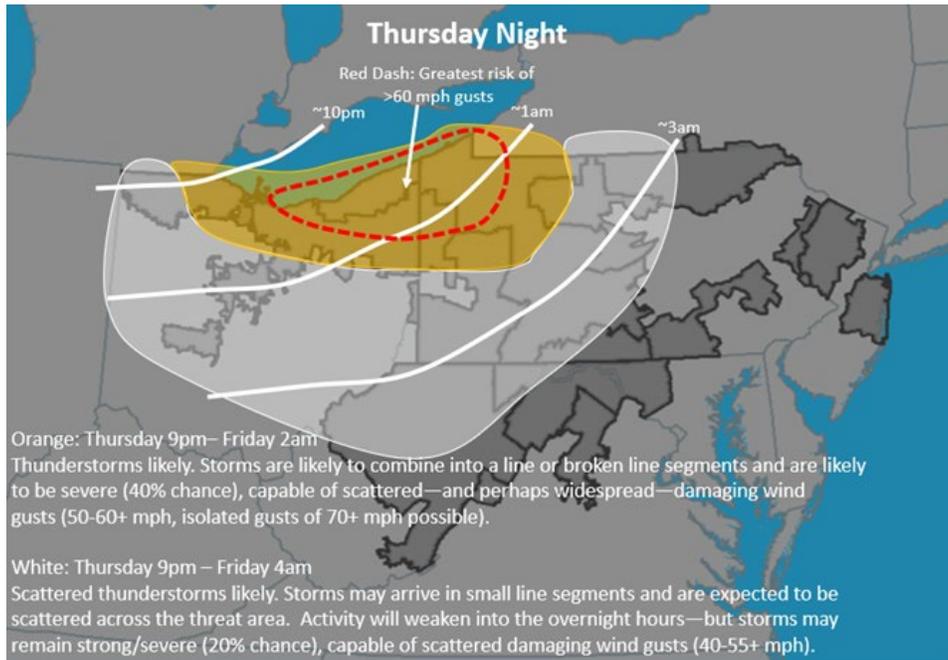
**Update:**

Thursday: Slight modifications to the marginal thunderstorm risk for this afternoon.

Thursday Night: General increase in risk of severe thunderstorms, especially for areas of northern OH and northwest PA. Also adjustments to timing, slightly pushing back storm arrival estimations. Data this afternoon continues to support a line of damaging thunderstorms developing and moving through the area overnight tonight, which will carry potential for both widespread and significant (>60 mph) wind gusts.

Friday: No changes at this time.





**Thursday August 24, 2023 @ 2236**

**Update:**

A dangerous line of severe storms has developed over lower Michigan, and will push through areas of northern OH over the next several hours—likely expanding to impact areas of northwestern PA as well. This line has already produced multiple reports of 70+ mph wind gusts, and conditions will favor maintaining that intensity over the next 2-4 hours as it pushes into western FE.

Thursday Night: Given current path of storm motion, updated alert graphics to increase the general risk of widespread and significant potential wind gusts—especially for areas of western and central OH where the threat is most imminent. Storms will continue to push through most of western FE during the overnight period, and while eventually weakening in the early morning hours, will still be capable of scattered damaging wind gusts.

Friday: No changes at this time.

