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September 22, 2023

VIA E-FILING

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120

**Re: Completed Restoration of Momentary and Sustained Interruptions –
Pennsylvania Electric Company; Docket No. M-2021-3023564**

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, Pennsylvania Electric Company (“Penelec”) submits written notification of completed restoration efforts following storm conditions that began on September 7, 2023, that caused multiple service interruptions in the Penelec service territory.

Attached please find the details relative to the impact of this recent outage event and the restoration activities that took place. It should be noted that the review and approval process of this outage information is still in progress at the time of filing this report and as such, all outage information contained in this report should be considered preliminary.

If you have any questions, please contact me at (610) 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 Bidelsbach – PaPUC Bureau of Technical Utility Services (via electronic mail)

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

1. Reporting Utility: Pennsylvania Electric Company ("Penelec")
Address: 800 Cabin Hill 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:

September 7, 2023 2103
(Date) *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 16,214 (Represents 2.8% of Penelec's total customers).

(b) Approximate number of outage cases and trouble cases for each county affected during event: See response to 5(c)

(c) Approximate number of outages for each county affected during the event:

County	Outages	Outage Cases	Trouble Cases
Bedford	11	1	1
Blair	210	8	13
Bradford	770	15	11
Cambria	686	15	9
Centre	3	2	5
Clarion	9	2	2
Clearfield	2,464	18	12
Crawford	68	2	8
Cumberland	26	3	0
Erie	674	13	27
Franklin	7	1	1
Huntingdon	25	5	5
Indiana	213	5	5
Jefferson	43	9	4
Lycoming	17	1	0
Mckean	3	3	6
Mifflin	53	11	4
Perry	2	1	0
Somerset	481	8	7
Sullivan	207	5	1
Susquehanna	2,716	79	103
Tioga	291	10	12
Venango	4	2	2
Warren	192	3	6
Wayne	356	8	4
Wyoming	6683	45	59
Total	16,214	275	307

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 151

(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 afternoon hours of Thursday, September 7, 2023, a weather system producing heavy rain and winds moved through Pennsylvania including the Penelec service territory. The system produced storms with heavy precipitation and high winds of approximately 46

miles per hour. See Attachment B for the maximum wind gusts and the 24-hour total precipitation for September 7, 2023.

- (g) Damage as a result of the high winds included downed wires, as well as damaged and broken poles, trees, and branches. The Towanda and Montrose districts were the hardest hit areas. Approximately 49.0% of the total outages that occurred were tree-related and an additional 18.0% were lightning-related.

Preliminary data indicates the reliability impact of the storm was 11.0 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 392.05 minutes.

- (h) Projected time of restoration: It was estimated that the majority of customers would be restored by 2300 on Saturday, September 9, 2023.

See Attachment C for the restoration curve and Attachment D for the order restoration graphs.

- (i) The number of utility workers, contract workers, and workers received as mutual aid assigned specifically to the repair work by general function:

Company	# of Workers	General Function
Penelec	59	Line Workers
Subtotal	59	Line Workers
JW Didado	16	Line Contractor
NG Gilbert	5	Line Contractor
New River Electrical Corporation	39	Line Contractor
CW Wright Construction	17	Line Contractor
Thompson Electric	17	Line Contractor
Subtotal	94	Line Contractor
PennLine	36	Forestry Contractor
Subtotal	36	Forestry Contractor
Penelec	13	Damage Assessors
Subtotal	13	Hazard Responders/Damage Assessors
Penelec	1	Mechanic -Supporting Roles
Penelec	2	Stores -Supporting Roles
Penelec	1	Office - Supporting Roles
Subtotal	4	Supporting Roles
Grand Total	206	

- (j) The date and time of the first information of a service interruption: September 7, 2023 at 1328.
- (k) The date and time that repair crews were assembled: September 7, 2023 at 0700.
- (l) The actual time that service was restored to the last affected customer: September 10, 2023 at 1850.
- (m) A general description of the physical damage sustained by the utility facilities as a result of the interruption/outage:

Equipment	Number
Primary Spans	90
Secondary Spans	34
Crossarms Replaced	46
Cutouts Replaced	33
Poles Replaced	20
Transformers Replaced	15
Wire & Cable Replaced (feet)	5,986

- (n) 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.

- (o) 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
645673	Wyoming	67	3,981	09/07/2023 1657	09/10/2023 1118
661963	Wyoming	4	3,926	09/07/2023 1614	09/10/2023 0940
655931	Wyoming	3	3,896	09/07/2023 1614	09/10/2023 0910
646712	Wyoming	3	3,886	09/07/2023 1834	09/10/2023 1120
644716	Susquehanna	10	2,915	09/07/2023 1653	09/09/2023 1728
647575	Susquehanna	1	2,910	09/07/2023 1900	09/09/2023 1930
645003	Wyoming	2	2,901	09/07/2023 1714	09/09/2023 1735
645006	Susquehanna	15	2,847	09/07/2023 1714	09/09/2023 1641
658981	Susquehanna	1	2,835	09/07/2023 1733	09/09/2023 1648
658981	Susquehanna	4	2,835	09/07/2023 1733	09/09/2023 1648
645162	Susquehanna	2	2,773	09/07/2023 1729	09/09/2023 1542
649784	Susquehanna	8	2,769	09/07/2023 1703	09/09/2023 1512
647474	Susquehanna	1	2,765	09/07/2023 1915	09/09/2023 1720
649734	Susquehanna	8	2,762	09/07/2023 1658	09/09/2023 1500
657281	Wyoming	26	2,757	09/07/2023 1645	09/09/2023 1442
644780	Susquehanna	7	2,749	09/07/2023 1656	09/09/2023 1445
645885	Wyoming	10	2,721	09/07/2023 1645	09/09/2023 1406
645058	Wayne	6	2,719	09/07/2023 1719	09/09/2023 1438
652070	Susquehanna	1	2,684	09/07/2023 1800	09/09/2023 1444
645153	Susquehanna	8	2,639	09/07/2023 1728	09/09/2023 1327
644986	Susquehanna	11	2,633	09/07/2023 1712	09/09/2023 1305
648637	Wyoming	2	2,617	09/07/2023 2133	09/09/2023 1710
645288	Wayne	3	2,615	09/07/2023 1744	09/09/2023 1319
650555	Susquehanna	10	2,608	09/07/2023 1707	09/09/2023 1235
652943	Susquehanna	7	2,577	09/07/2023 1715	09/09/2023 1212
645754	Susquehanna	2	2,575	09/07/2023 1802	09/09/2023 1257
658629	Susquehanna	11	2,567	09/07/2023 1655	09/09/2023 1142
645021	Susquehanna	5	2,566	09/07/2023 1715	09/09/2023 1201
647608	Susquehanna	7	2,522	09/07/2023 1723	09/09/2023 1125
648491	Susquehanna	1	2,515	09/07/2023 2108	09/09/2023 1503
645296	Wayne	1	2,503	09/07/2023 1745	09/09/2023 1128
648491	Susquehanna	5	2,466	09/07/2023 2108	09/09/2023 1414
645298	Susquehanna	7	2,337	09/07/2023 1745	09/09/2023 0842

¹ When applicable, the individual restoration steps for an order are provided for those customers that were out of service for 6 hours or more.

Penelec Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
649814	Susquehanna	5	2,160	09/08/2023 0507	09/09/2023 1707
650549	Susquehanna	1	1,996	09/08/2023 0759	09/09/2023 1715
656322	Wyoming	35	1,855	09/07/2023 1645	09/08/2023 2340
645614	Wyoming	1	1,791	09/07/2023 1709	09/08/2023 2300
656171	Wyoming	158	1,742	09/07/2023 1758	09/08/2023 2300
652163	Wayne	2	1,736	09/08/2023 1251	09/09/2023 1747
644871	Susquehanna	9	1,684	09/07/2023 1702	09/08/2023 2106
652232	Susquehanna	5	1,684	09/07/2023 1734	09/08/2023 2138
644697	Susquehanna	221	1,615	09/07/2023 1653	09/08/2023 1948
651775	Susquehanna	1	1,591	09/08/2023 1059	09/09/2023 1330
645076	Susquehanna	2	1,589	09/07/2023 1721	09/08/2023 1950
645376	Wyoming	253	1,585	09/07/2023 1614	09/08/2023 1839
645229	Wyoming	17	1,565	09/07/2023 1645	09/08/2023 1850
645013	Susquehanna	11	1,559	09/07/2023 1714	09/08/2023 1913
644731	Susquehanna	16	1,548	09/07/2023 1654	09/08/2023 1842
652389	Susquehanna	37	1,532	09/07/2023 1703	09/08/2023 1835
644535	Susquehanna	38	1,521	09/07/2023 1646	09/08/2023 1807
648418	Susquehanna	2	1,516	09/07/2023 1659	09/08/2023 1815
645054	Susquehanna	63	1,512	09/07/2023 1718	09/08/2023 1830
648419	Susquehanna	12	1,479	09/07/2023 1706	09/08/2023 1745
644757	Susquehanna	51	1,460	09/07/2023 1655	09/08/2023 1715
652248	Susquehanna	9	1,459	09/07/2023 1651	09/08/2023 1710
649778	Susquehanna	24	1,456	09/07/2023 1703	09/08/2023 1719
645079	Wayne	18	1,427	09/07/2023 1721	09/08/2023 1708
649942	Susquehanna	4	1,425	09/07/2023 1821	09/08/2023 1806
655317	Susquehanna	1	1,425	09/08/2023 1745	09/09/2023 1730
644624	Wyoming	14	1,419	09/07/2023 1642	09/08/2023 1621
650350	Wyoming	56	1,416	09/07/2023 1645	09/08/2023 1621
647512	Susquehanna	12	1,402	09/07/2023 1717	09/08/2023 1639
645141	Susquehanna	72	1,401	09/07/2023 1727	09/08/2023 1648
656859	Wyoming	5	1,391	09/07/2023 2249	09/08/2023 2200
648422	Susquehanna	1	1,389	09/07/2023 1841	09/08/2023 1750
649384	Susquehanna	19	1,377	09/07/2023 1938	09/08/2023 1835
662988	Wyoming	3	1,374	09/09/2023 1816	09/10/2023 1710
662987	Wyoming	25	1,374	09/09/2023 1816	09/10/2023 1710
644885	Susquehanna	47	1,371	09/07/2023 1703	09/08/2023 1554
644621	Wyoming	72	1,346	09/07/2023 1636	09/08/2023 1502
649065	Wyoming	28	1,342	09/07/2023 2249	09/08/2023 2111

Penelec Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
644641	Wyoming	14	1,339	09/07/2023 1650	09/08/2023 1509
660244	Wyoming	357	1,335	09/09/2023 1816	09/10/2023 1631
644937	Susquehanna	17	1,332	09/07/2023 1707	09/08/2023 1519
644977	Susquehanna	51	1,299	09/07/2023 1711	09/08/2023 1450
661245	Wyoming	7	1,298	09/09/2023 2112	09/10/2023 1850
644873	Susquehanna	12	1,285	09/07/2023 1702	09/08/2023 1427
648370	Tioga	11	1,275	09/07/2023 2050	09/08/2023 1805
644939	Susquehanna	9	1,263	09/07/2023 1715	09/08/2023 1418
645926	Wyoming	1	1,239	09/07/2023 1807	09/08/2023 1446
644944	Susquehanna	315	1,239	09/07/2023 1703	09/08/2023 1342
647715	Tioga	1	1,201	09/07/2023 1729	09/08/2023 1330
648189	Susquehanna	2	1,175	09/07/2023 2020	09/08/2023 1555
647729	Susquehanna	148	1,163	09/07/2023 1934	09/08/2023 1457
644657	Susquehanna	363	1,142	09/07/2023 1651	09/08/2023 1153
646074	Wayne	24	1,139	09/07/2023 1812	09/08/2023 1311
656210	Susquehanna	1	1,136	09/08/2023 1646	09/09/2023 1142
644823	Susquehanna	35	1,131	09/07/2023 1658	09/08/2023 1149
647997	Mifflin	3	1,131	09/07/2023 1439	09/08/2023 0930
649211	Wyoming	135	1,126	09/07/2023 1645	09/08/2023 1131
660446	Susquehanna	1	1,118	09/09/2023 1852	09/10/2023 1330
661960	Wyoming	11	1,111	09/09/2023 1816	09/10/2023 1247
649384	Susquehanna	13	1,101	09/08/2023 0014	09/08/2023 1835
645068	Susquehanna	13	1,100	09/07/2023 1720	09/08/2023 1140
660607	Centre	2	1,096	09/09/2023 1928	09/10/2023 1344
660166	Susquehanna	9	1,071	09/09/2023 1809	09/10/2023 1200
661887	Cumberland	14	1,051	09/09/2023 1830	09/10/2023 1201
647822	Huntingdon	1	1,039	09/07/2023 1941	09/08/2023 1300
660903	Susquehanna	1	1,035	09/09/2023 2044	09/10/2023 1359
649442	Susquehanna	110	1,013	09/07/2023 2152	09/08/2023 1445
661906	Wyoming	55	1,004	09/09/2023 1736	09/10/2023 1020
661959	Wyoming	19	956	09/09/2023 2051	09/10/2023 1247
660392	Susquehanna	1	941	09/09/2023 1840	09/10/2023 1021
644151	Sullivan	102	936	09/07/2023 1609	09/08/2023 0745
648386	Susquehanna	4	921	09/07/2023 1732	09/08/2023 0853
660392	Susquehanna	5	914	09/09/2023 1840	09/10/2023 0954
660400	Susquehanna	5	901	09/09/2023 1844	09/10/2023 0945
661150	Wyoming	14	899	09/09/2023 1816	09/10/2023 0915
660053	Susquehanna	1	883	09/09/2023 1752	09/10/2023 0835

Penelec Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
654268	Sullivan	102	863	09/08/2023 1555	09/09/2023 0618
658344	Bradford	6	840	09/09/2023 0524	09/09/2023 1924
660783	Susquehanna	1	827	09/09/2023 2008	09/10/2023 0955
650429	Susquehanna	1	783	09/08/2023 0817	09/08/2023 2120
661762	Wyoming	170	779	09/09/2023 2051	09/10/2023 0950
656925	Jefferson	5	758	09/08/2023 2145	09/09/2023 1023
659217	Erie	8	756	09/09/2023 0954	09/09/2023 2230
661237	Susquehanna	5	742	09/09/2023 2300	09/10/2023 1122
650429	Susquehanna	7	693	09/08/2023 0817	09/08/2023 1950
648593	Sullivan	1	673	09/07/2023 2124	09/08/2023 0837
661232	Huntingdon	1	671	09/09/2023 1907	09/10/2023 0618
658557	Wyoming	1	655	09/09/2023 0601	09/09/2023 1656
647650	Susquehanna	24	650	09/07/2023 1658	09/08/2023 0348
661024	Wyoming	11	643	09/09/2023 2135	09/10/2023 0818
656646	Blair	1	587	09/08/2023 1928	09/09/2023 0515
651977	Susquehanna	38	579	09/08/2023 1151	09/08/2023 2130
659932	Jefferson	2	576	09/09/2023 1736	09/10/2023 0312
650132	Mifflin	3	562	09/07/2023 2152	09/08/2023 0714
657343	Wyoming	11	559	09/09/2023 0056	09/09/2023 1015
658959	Clearfield	15	549	09/09/2023 1501	09/10/2023 0010
661538	Wyoming	22	527	09/09/2023 2013	09/10/2023 0500
658570	Wyoming	2	519	09/09/2023 0321	09/09/2023 1200
643457	Cambria	2	517	09/07/2023 1328	09/07/2023 2205
658109	Wyoming	1	515	09/09/2023 0850	09/09/2023 1725
656221	Lycoming	8	506	09/08/2023 1423	09/08/2023 2249
660796	Wyoming	71	476	09/09/2023 2013	09/10/2023 0409
654917	Venango	2	465	09/08/2023 1710	09/09/2023 0055
657715	Jefferson	11	460	09/09/2023 0613	09/09/2023 1353
644580	Tioga	3	452	09/07/2023 1648	09/08/2023 0020
659038	Wyoming	5	451	09/09/2023 1529	09/09/2023 2300
657771	Wyoming	56	442	09/09/2023 0601	09/09/2023 1323
660544	Clearfield	7	439	09/09/2023 1911	09/10/2023 0230
656646	Blair	5	437	09/08/2023 1928	09/09/2023 0245
644461	Tioga	3	423	09/07/2023 1636	09/07/2023 2339
658166	Jefferson	1	400	09/09/2023 0905	09/09/2023 1545
658321	Susquehanna	1	397	09/09/2023 1010	09/09/2023 1647
645203	Wyoming	34	388	09/07/2023 1645	09/07/2023 2313
645203	Wyoming	2	381	09/07/2023 1645	09/07/2023 2306

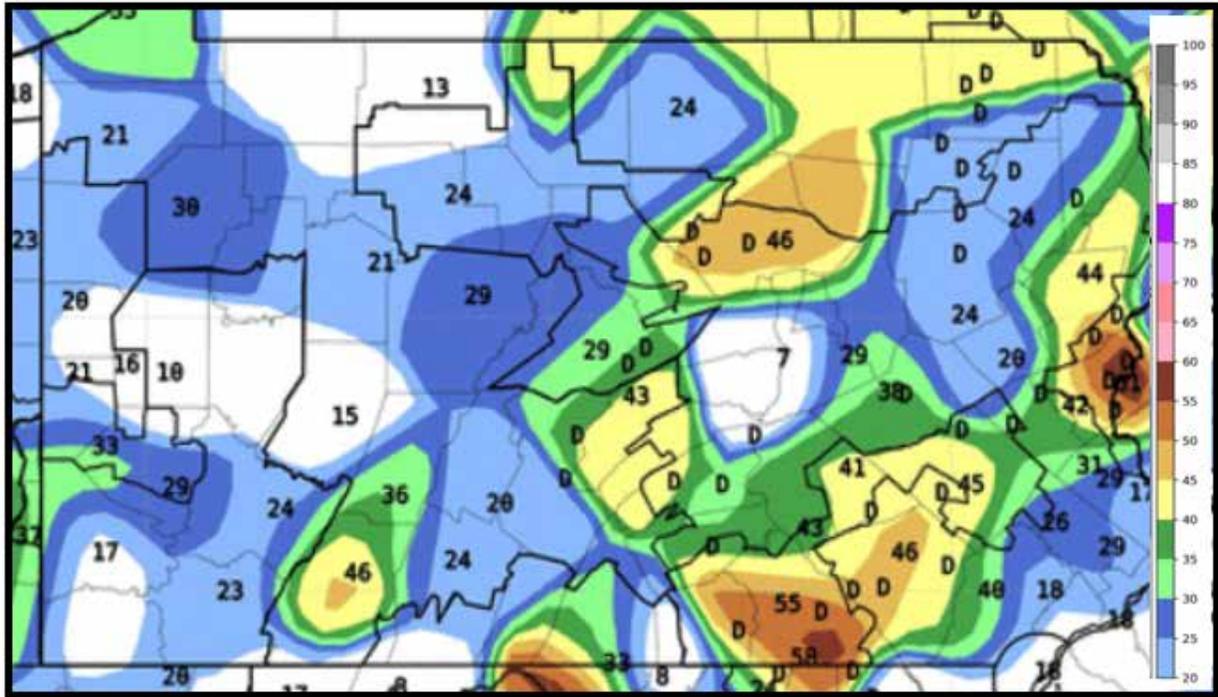
Penelec Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
653210	Wyoming	39	377	09/08/2023 1505	09/08/2023 2122
648793	Bradford	66	377	09/07/2023 1537	09/07/2023 2154
657714	Indiana	5	376	09/09/2023 0424	09/09/2023 1040
658476	Erie	5	365	09/09/2023 0755	09/09/2023 1400

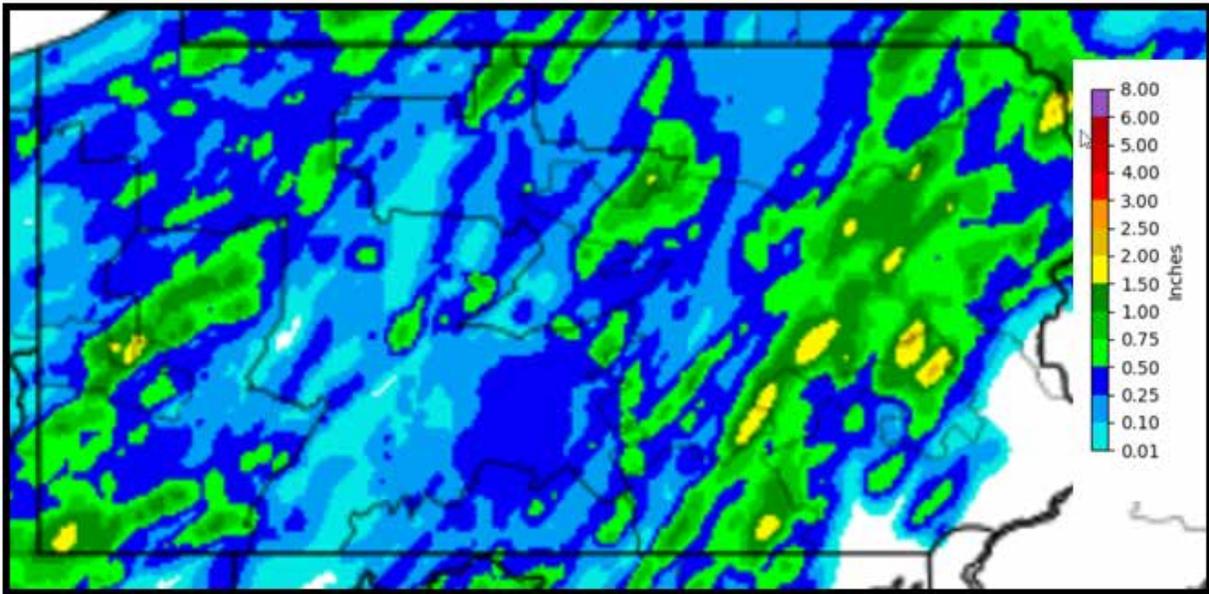
Attachment B: Precipitation Reports

Wind & Precipitation Reports: Graphic 1 shows the maximum wind gusts in the Penelec service territory on September 7, 2023. Graphic 2 illustrates the 24-Hour Total Precipitation in the Penelec service territory on September 7, 2023. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

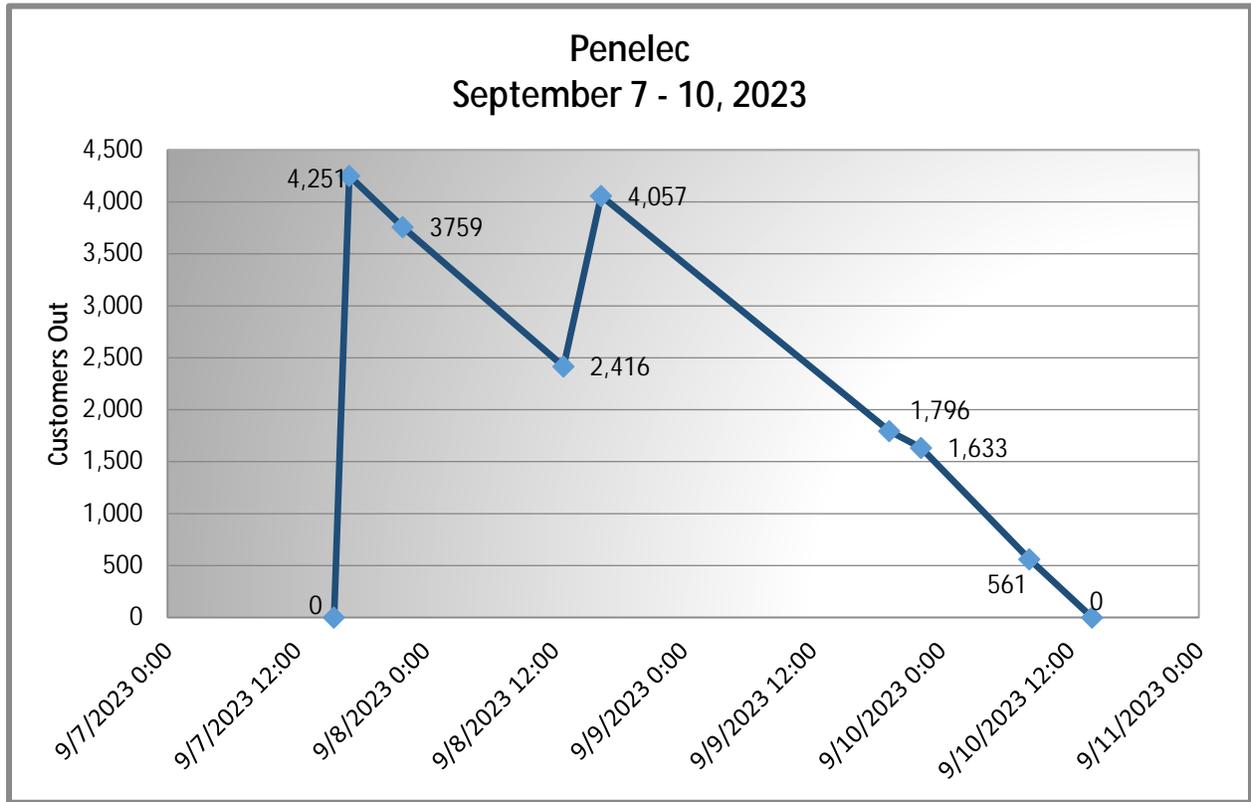
Graphic 1: Wind Gusts – Thursday, September 7, 2023



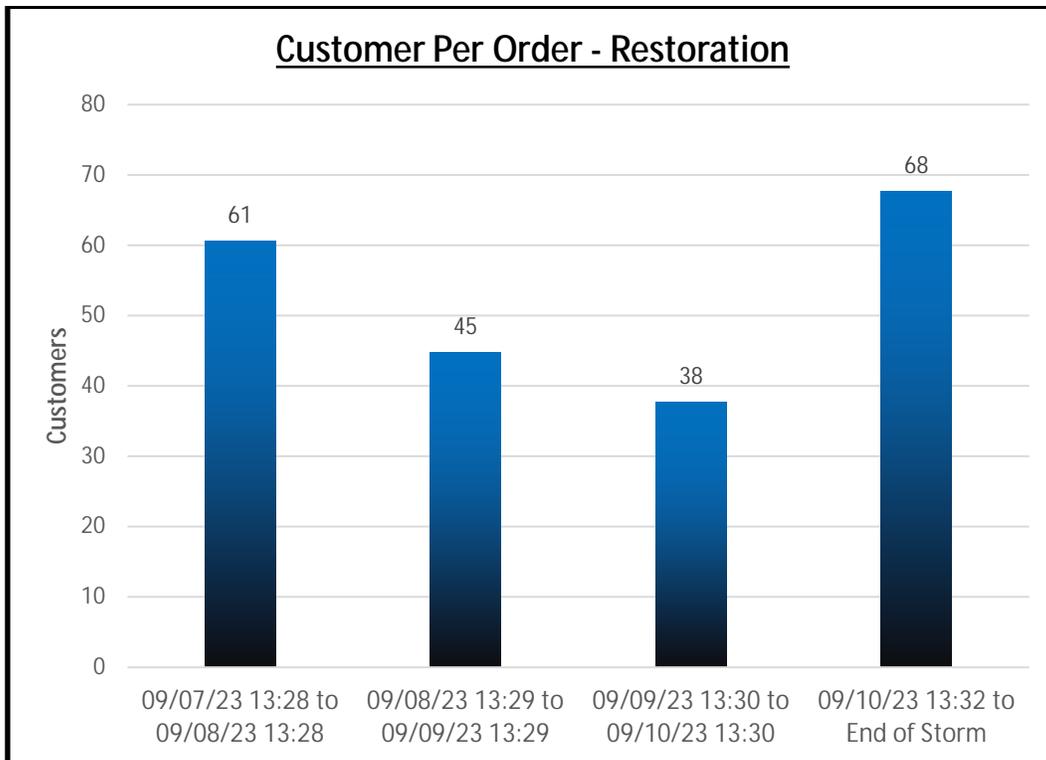
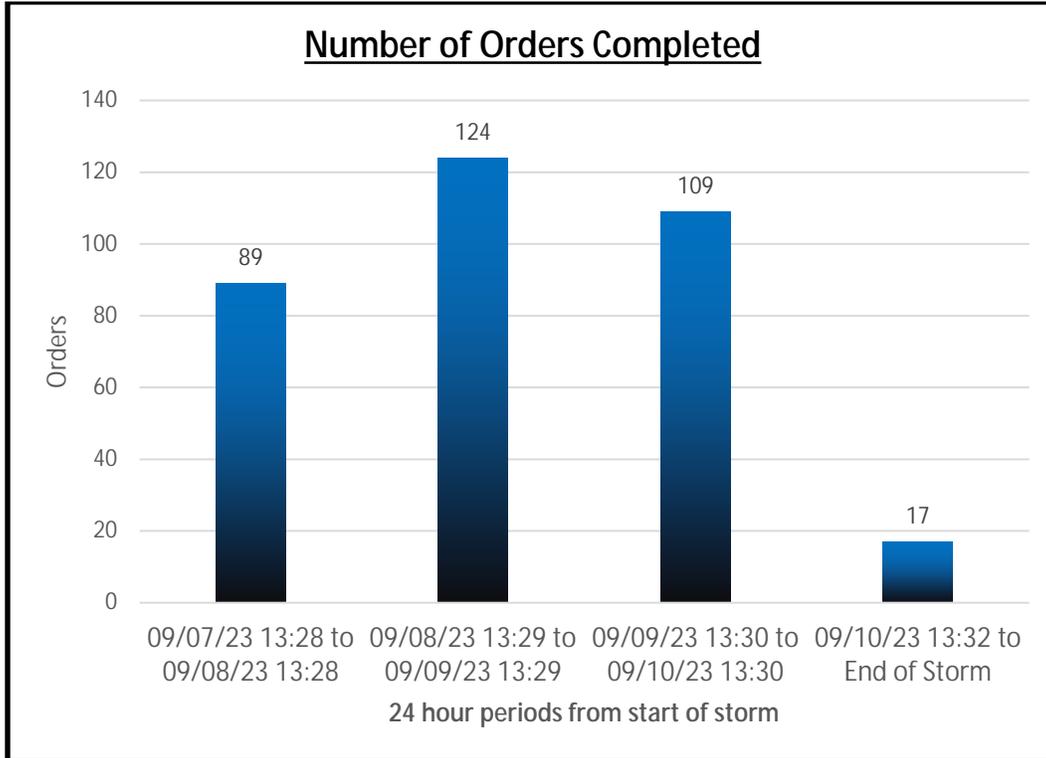
Graphic 2: 24-Hour Total Precipitation – Thursday, September 7, 2023



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: Meteorologist Reports

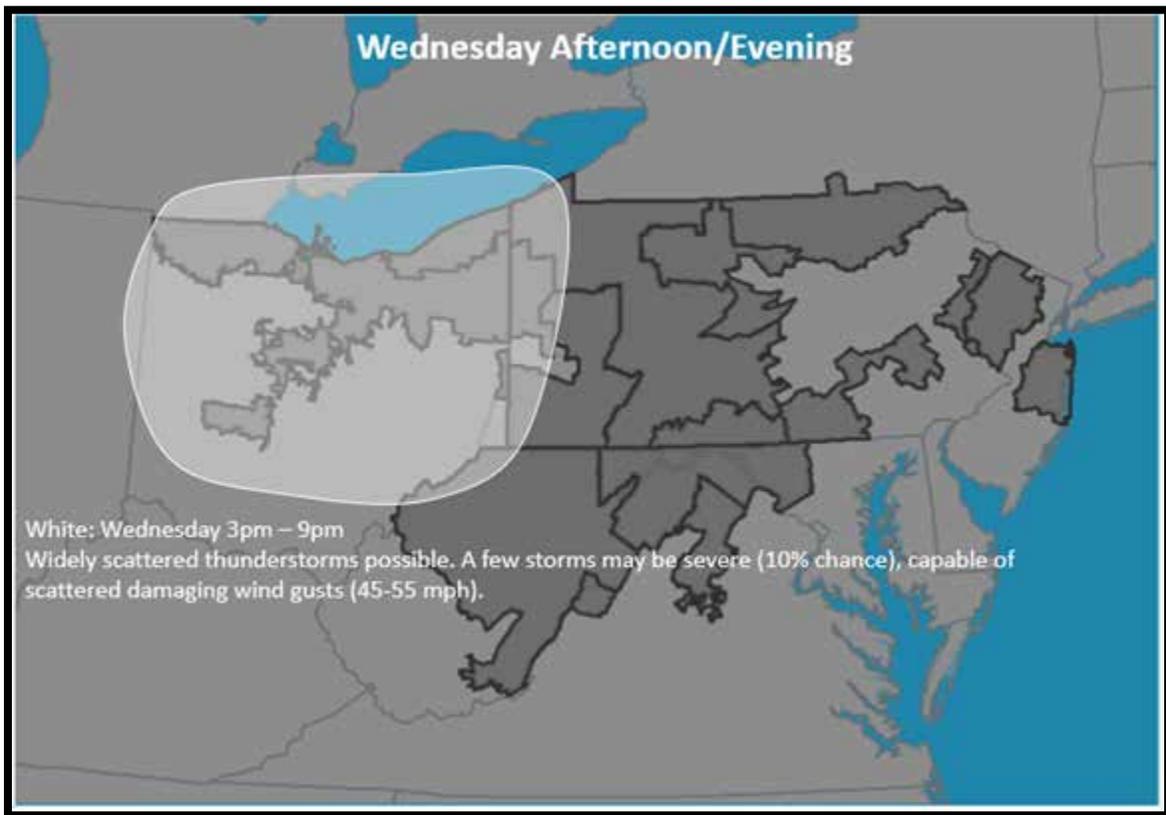
Wednesday, September 6, 2023 @ 0846

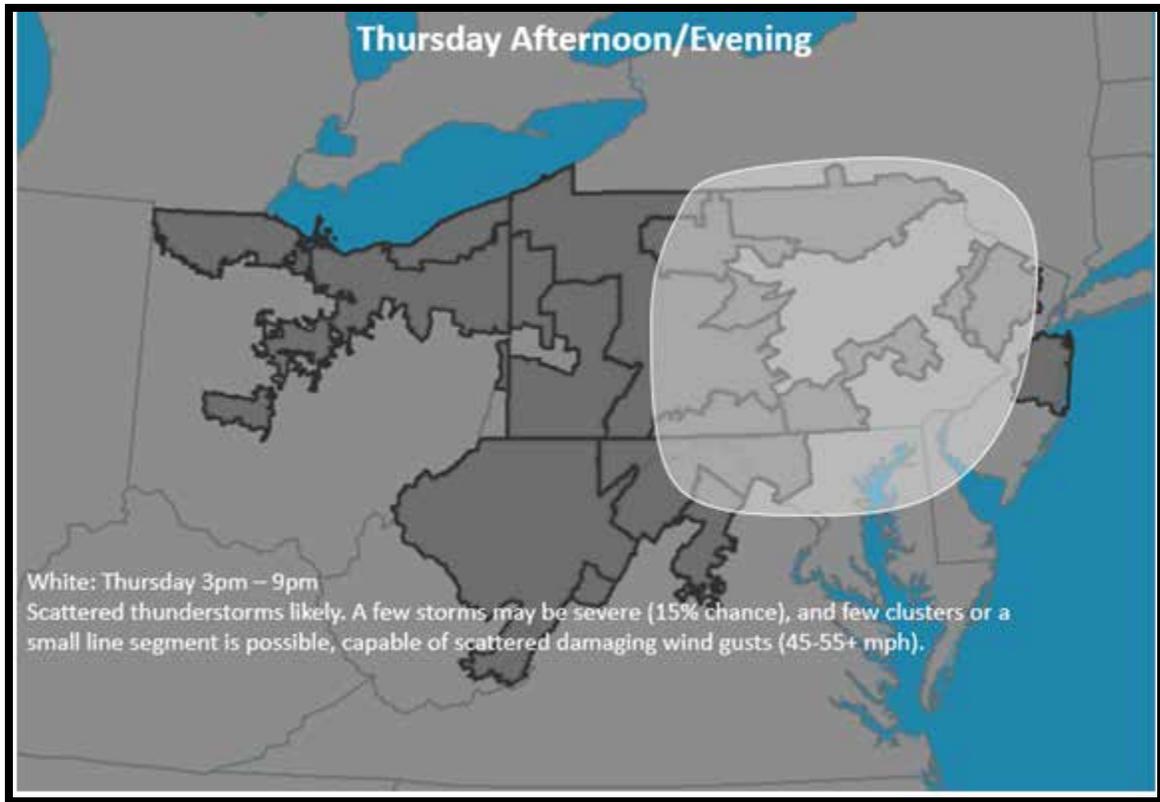
New Issuance:

Wednesday: A few strong isolated thunderstorms will be possible across western FE this afternoon as a cold front approaches. Isolated damaging wind gusts will be possible.

Thursday: Thunderstorms are likely across central/eastern FE as the same offending cold front crosses the area. A few clusters or small line segments appear possible through the late afternoon and evening, with scattered damaging wind gusts possible.

See graphics below for further information.





Thursday, September 7, 2023 @ 0837

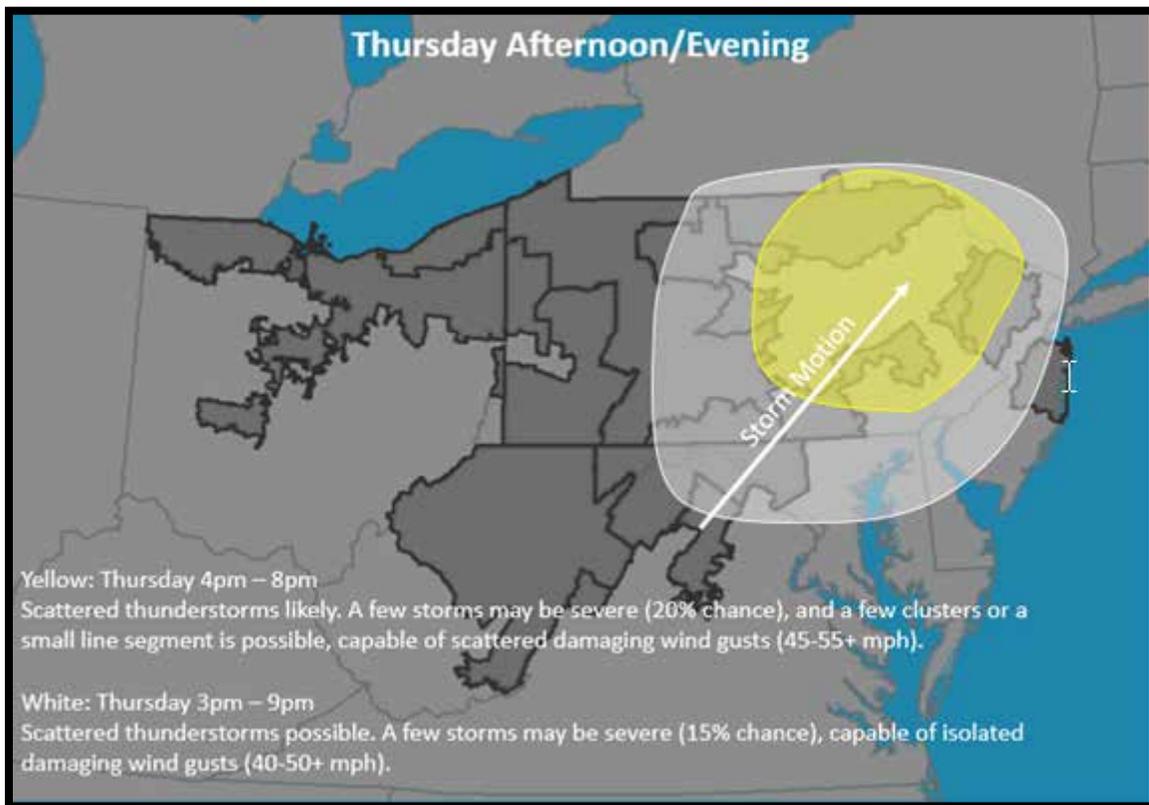
New Issuance:

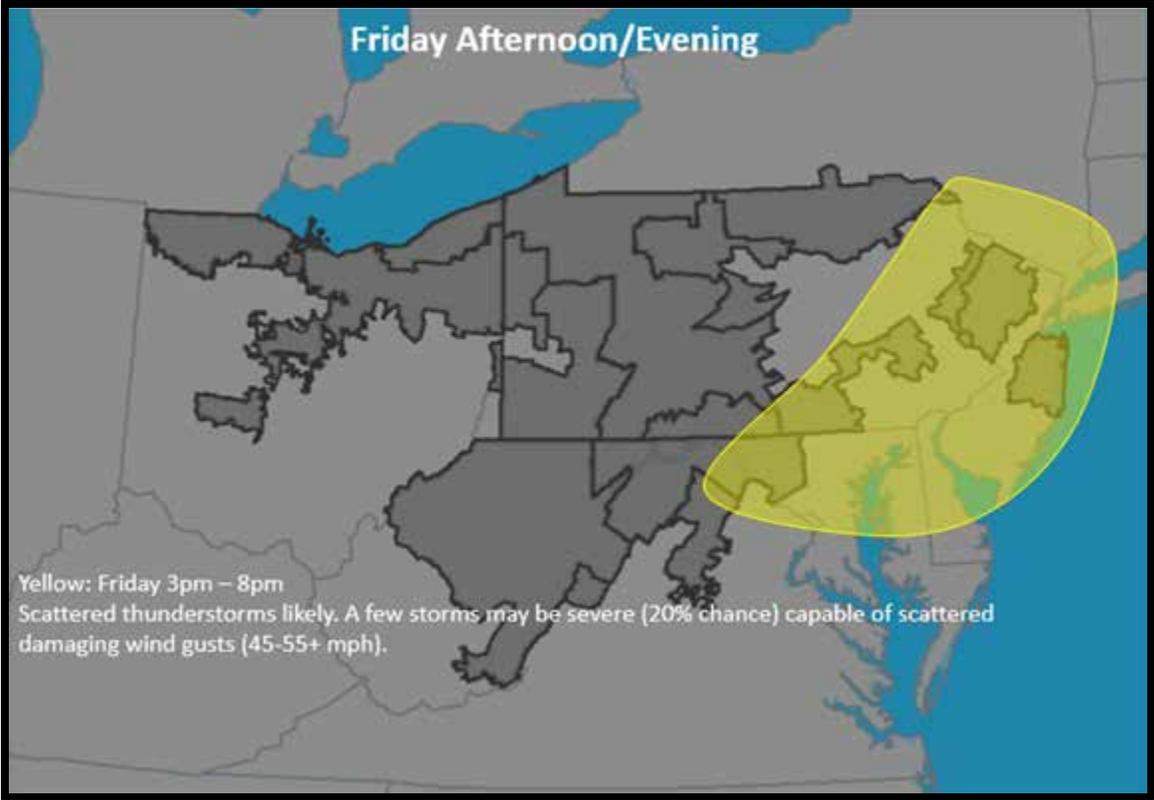
Thursday: Slight increase in the risk of damaging storms, mainly for areas of northeast PA and western NJ. Scattered storms are expected to develop ahead of a cold front and move generally northeast through the area. A cluster or small line of storms will be possible at times this evening, especially across northeast FE, where the wind damage risk is therefore a bit higher.

Friday: Another round of storms is expected across eastern FE Friday afternoon before the cold front moves offshore. Scattered strong storms will be possible, capable scattered damaging wind gusts.

Note: hot and humid conditions will continue across the eastern portions of FE through Friday, with heat index values exceeding 100 degrees in some locations.

See graphics below for further information.



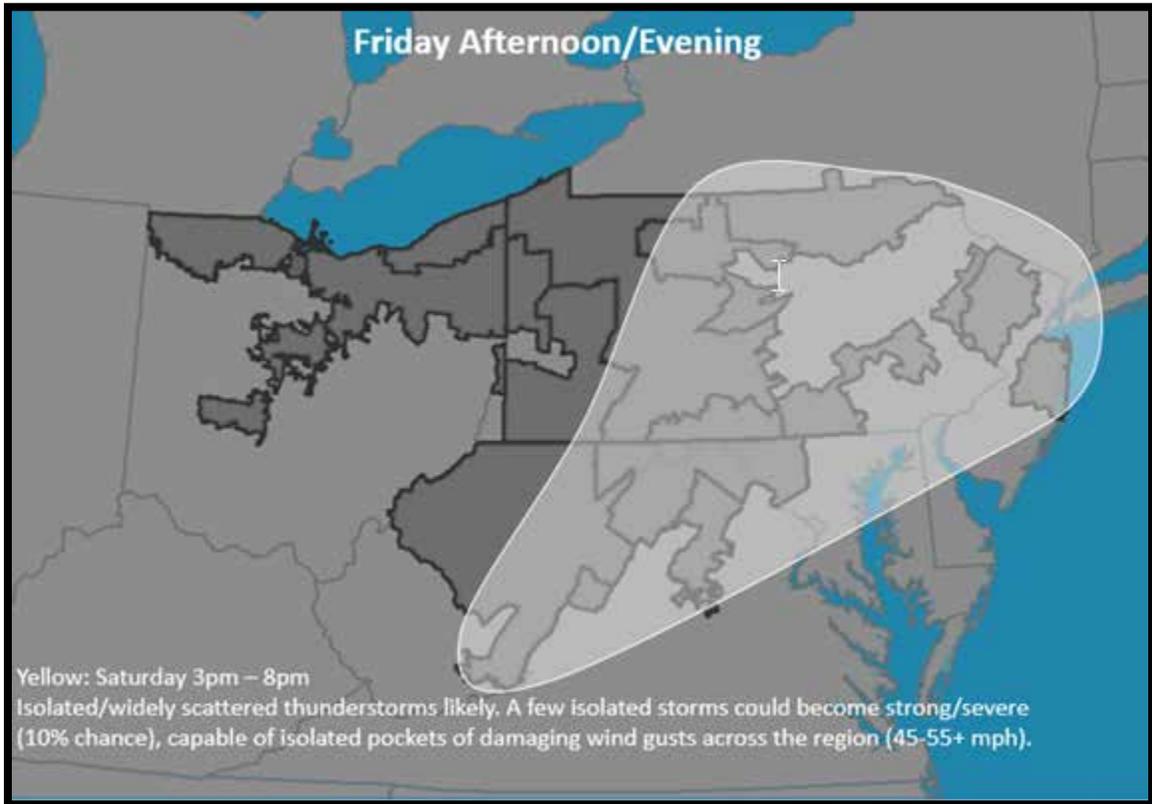


Saturday, September 9, 2023 @ 0859

New Update:

Saturday: Thunderstorms are likely across the eastern half of FE (yes, again) this afternoon and early evening. Storms are expected to be isolated/widely scattered across the area, but a few storms may become severe at times, capable of isolated pockets of damaging gusts.

See graphic below for further information.



Saturday, September 9, 2023 @ 1239

Update:

Saturday: Added an area of slightly higher damaging wind risk across central/northeast PA, as this is where a greater amount of storm coverage is now expected later this afternoon.

See graphic below for further information.

Last Scheduled Update

