

Darsh Singh, Esq.

(610) 212-8331
Fax: (330) 315-9263

July 31, 2024

VIA ELECTRONIC FILING

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

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

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, FirstEnergy Pennsylvania Electric Company on behalf of West Penn Rate District (“West Penn”) submits written notification of completed restoration efforts following storm conditions that began on July 15, 2024 that caused multiple service interruptions in the West Penn service territory.

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

If you have any questions, please contact me at (610) 212-8331.

Sincerely,



Darsh Singh

Enclosures

c: Dan Searfoorce - PaPUC Bureau of Technical Utility Services (via electronic mail)
Derek Ruhl - PaPUC Bureau of Technical Utility Services (via electronic mail)
John Van Zant - PaPUC Bureau of Technical Utility Services (via electronic mail)

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

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

2. Name and title of person making report:

John Hawkins
(Name)

President Pennsylvania
(Title)

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

4. Date and time report was made to Commission:

July 15, 2024
(Date)

2004
(Time)

5. Interruption or Outage:

(a) Number of customers affected: 16,283 (Represents 2.2% of West Penn'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	1,307	15	26
Armstrong	426	14	17
Bedford	42	2	2
Butler	4,195	35	55
Cameron	1,240	17	38
Centre	142	10	14
Clarion	369	26	39
Elk	3,900	40	56
Fayette	137	10	32
Franklin	319	6	11
Greene	563	19	15
Lycoming	173	2	1
McKean	8	1	6
Potter	519	5	7
Washington	678	29	46
Westmoreland	2,265	62	115
Total	16,283	293	480

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 127

(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 Monday, July 15, 2024, a weather system producing lightning and heavy winds moved through Pennsylvania including the West Penn service territory. The system produced storms with heavy precipitation and high winds of approximately 50 miles per hour. See Attachment B for the maximum wind gusts for July 15 - 16, 2024, and the 24-hour total precipitation for July 17, 2024.

Damage as a result of lightning and high winds included downed wires, and damaged and broken poles, trees, and branches. The Butler, Clarion, and St. Mary's regions were the hardest hit areas. Approximately 55.6% of the total outages that occurred were tree related and an additional 2.4% were wind related.

Preliminary data indicates the reliability impact of the storm was 8.7 minutes of SAIDI, 0.022 of SAIFI, and an overall storm CAIDI of 388.4 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 1600 on Thursday, July 18, 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
Asplundh Tree Expert, LLC	30	Forestry
Davey Tree Expert	16	Forestry
Subtotal	46	Forestry
West Penn Rate District	20	Hazard
Subtotal	20	Hazard
J.W. Didado	9	Line Workers
NG Gilbert	3	Line Workers
Penelec Rate District	11	Line Workers
Sargent Electric Company	9	Line Workers
West Penn Rate District	41	Line Workers
Subtotal	73	Line Workers
FirstEnergy Service Company	31	Supporting Roles
Sargent Electric Company	2	Supporting Roles
Subtotal	33	Supporting Roles
Grand Total	130	

- (i) The date and time of the first information of a service interruption: July 15, 2024, at 1413.
- (j) The date and time that repair crews were assembled: July 15, 2024, at 0600.
- (k) The actual time that service was restored to the last affected customer: July 18, 2024, at 1235.

- (l) A general description of the physical damage sustained by the utility facilities as a result of the interruption/outage:

Equipment	Number
Primary Spans	145
Secondary Spans	23
Crossarms Replaced	41
Cutouts Replaced	40
Poles Replaced	31
Transformers Replaced	22
Wire & Cable Replaced (feet)	19,208

- (m) If the interruption/outage event was weather-related, the utility’s weather reports, outlooks, or scenarios for the day before and the day of the interruption/outage event:

See Attachment E for the weather forecast reports.

- (n) If the interruption/outage event caused approximate outages that exceed 10% or more of the number of customers in the utility’s entire service territory, rank the event in terms of the number and duration of outages and provide 2 comparable events, including the number and duration of outages for those comparable events.

The outages that were a result of this event did not exceed 10% or more of customers in the utility’s entire service territory.

Remarks: The storm statistics contained in this report are preliminary. The review and approval of the storm statistics were still in progress as of the time this report was filed.

Attachment A: A listing of each outage case exceeding six or more hours in duration, including the following information¹:

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
660650	Elk	1	4,011	07/15/2024 1552	07/18/2024 1043
664217	Cameron	3	3,589	07/15/2024 1716	07/18/2024 0505
660769	Elk	1	3,472	07/15/2024 1615	07/18/2024 0207
664217	Cameron	17	3,439	07/15/2024 1716	07/18/2024 0235
663622	Butler	2	3,222	07/15/2024 1418	07/17/2024 2000
660655	Elk	1	3,066	07/15/2024 1554	07/17/2024 1900
661245	Elk	8	2,943	07/15/2024 1542	07/17/2024 1645
663075	Elk	9	2,819	07/16/2024 1336	07/18/2024 1235
664199	Elk	6	2,803	07/15/2024 1707	07/17/2024 1550
664913	Elk	5	2,803	07/15/2024 1707	07/17/2024 1550
660670	Elk	20	2,681	07/15/2024 1555	07/17/2024 1236
662982	Cameron	5	2,486	07/16/2024 1301	07/18/2024 0627
660781	Cameron	8	2,203	07/15/2024 1617	07/17/2024 0500
664082	Butler	3	2,074	07/15/2024 1414	07/17/2024 0048
662396	Elk	2	2,010	07/16/2024 0652	07/17/2024 1622
660849	Elk	1	2,002	07/15/2024 1631	07/17/2024 0153
662928	Cameron	9	1,830	07/15/2024 1743	07/17/2024 0013
663775	Butler	10	1,806	07/15/2024 1414	07/16/2024 2020
662558	Armstrong	15	1,783	07/15/2024 1437	07/16/2024 2020
663540	Elk	10	1,780	07/16/2024 1045	07/17/2024 1625
664078	Elk	58	1,706	07/15/2024 1549	07/16/2024 2015
661242	Elk	55	1,700	07/15/2024 1549	07/16/2024 2009
660681	Elk	1	1,687	07/15/2024 1557	07/16/2024 2004
660584	Clarion	1	1,595	07/15/2024 1533	07/16/2024 1808
660854	Elk	3	1,543	07/15/2024 1632	07/16/2024 1815
660518	Armstrong	3	1,543	07/15/2024 1512	07/16/2024 1655
662414	Elk	3	1,532	07/15/2024 1628	07/16/2024 1800
663083	Clarion	4	1,531	07/15/2024 1503	07/16/2024 1634
660761	Cameron	55	1,512	07/15/2024 1612	07/16/2024 1724
661158	Clarion	4	1,496	07/15/2024 1745	07/16/2024 1841
661379	Potter	6	1,471	07/15/2024 1735	07/16/2024 1806
660641	Elk	3	1,469	07/15/2024 1551	07/16/2024 1620

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.

West Penn Rate District Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
662224	Elk	13	1,455	07/15/2024 1545	07/16/2024 1600
660774	Cameron	16	1,445	07/15/2024 1615	07/16/2024 1620
663084	Clarion	1	1,432	07/15/2024 1503	07/16/2024 1455
661182	Elk	2	1,399	07/15/2024 1754	07/16/2024 1713
661967	Clarion	3	1,377	07/15/2024 1609	07/16/2024 1506
661141	Elk	2	1,374	07/15/2024 1741	07/16/2024 1635
662211	Butler	3	1,348	07/16/2024 0013	07/16/2024 2241
661111	Clarion	69	1,342	07/15/2024 1503	07/16/2024 1325
661324	Clarion	3	1,312	07/15/2024 1551	07/16/2024 1343
660523	Clarion	6	1,307	07/15/2024 1513	07/16/2024 1300
663507	Cameron	21	1,298	07/16/2024 1618	07/17/2024 1356
660232	Butler	24	1,287	07/15/2024 1413	07/16/2024 1140
660876	Elk	28	1,283	07/15/2024 1638	07/16/2024 1401
662001	Cameron	248	1,254	07/15/2024 1614	07/16/2024 1308
662251	Clarion	3	1,227	07/15/2024 1506	07/16/2024 1133
663519	McKean	8	1,212	07/16/2024 1630	07/17/2024 1242
660649	Elk	36	1,143	07/15/2024 1552	07/16/2024 1055
660697	Butler	1	1,126	07/15/2024 1559	07/16/2024 1045
660768	Cameron	377	1,103	07/15/2024 1614	07/16/2024 1037
662350	Armstrong	11	1,088	07/15/2024 1437	07/16/2024 0845
665306	Westmoreland	6	1,041	07/17/2024 1904	07/18/2024 1225
662164	Elk	202	984	07/15/2024 1542	07/16/2024 0806
662164	Elk	168	979	07/15/2024 1542	07/16/2024 0801
660764	Cameron	163	954	07/15/2024 1613	07/16/2024 0807
665175	Cameron	3	943	07/17/2024 1752	07/18/2024 0935
661294	Clarion	7	934	07/15/2024 1901	07/16/2024 1035
661380	Armstrong	198	916	07/15/2024 1426	07/16/2024 0542
665173	Westmoreland	1	884	07/17/2024 1751	07/18/2024 0835
665405	Allegheny	1	851	07/17/2024 2017	07/18/2024 1028
662154	Westmoreland	1	834	07/15/2024 2021	07/16/2024 1015
660533	Westmoreland	1	826	07/15/2024 1515	07/16/2024 0501
662367	Elk	6	824	07/16/2024 0619	07/16/2024 2003
661970	Potter	108	814	07/15/2024 1639	07/16/2024 0613
662158	Elk	380	809	07/15/2024 1542	07/16/2024 0511
665372	Washington	50	761	07/17/2024 1949	07/18/2024 0830
665411	Fayette	1	738	07/17/2024 2022	07/18/2024 0840
665501	Greene	25	735	07/17/2024 2312	07/18/2024 1127
665589	Washington	8	694	07/17/2024 2016	07/18/2024 0750

West Penn Rate District Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
665466	Washington	4	686	07/17/2024 2156	07/18/2024 0922
660604	Elk	403	684	07/15/2024 1543	07/16/2024 0307
662855	Bedford	34	670	07/16/2024 0448	07/16/2024 1558
665567	Butler	13	652	07/18/2024 0110	07/18/2024 1202
660675	Elk	52	648	07/15/2024 1556	07/16/2024 0244
664231	Greene	15	645	07/16/2024 1804	07/17/2024 0449
664241	Elk	3	633	07/16/2024 1627	07/17/2024 0300
662423	Centre	2	621	07/16/2024 0414	07/16/2024 1435
661498	Westmoreland	44	620	07/15/2024 2007	07/16/2024 0627
662787	Butler	1	618	07/16/2024 1101	07/16/2024 2119
665523	Fayette	9	614	07/18/2024 0031	07/18/2024 1045
663998	Greene	1	612	07/16/2024 1943	07/17/2024 0555
661051	Clarion	9	605	07/15/2024 1506	07/16/2024 0111
663801	Greene	50	603	07/16/2024 1804	07/17/2024 0407
663508	Allegheny	1	597	07/16/2024 1618	07/17/2024 0215
665054	Armstrong	11	593	07/17/2024 1648	07/18/2024 0241
661808	Westmoreland	1	576	07/15/2024 2100	07/16/2024 0636
663341	Butler	2	571	07/16/2024 1101	07/16/2024 2032
660612	Elk	1389	560	07/15/2024 1545	07/16/2024 0105
660479	Clarion	25	546	07/15/2024 1459	07/16/2024 0005
665137	Washington	5	535	07/17/2024 1730	07/18/2024 0225
664344	Potter	3	530	07/17/2024 0725	07/17/2024 1615
665249	Washington	6	500	07/17/2024 1825	07/18/2024 0245
660621	Elk	79	493	07/15/2024 1547	07/16/2024 0000
665358	Westmoreland	1	492	07/17/2024 1803	07/18/2024 0215
665105	Butler	2	481	07/17/2024 1719	07/18/2024 0120
662988	Potter	108	480	07/16/2024 1257	07/16/2024 2057
662629	Butler	46	477	07/16/2024 0934	07/16/2024 1731
662918	Allegheny	1	474	07/16/2024 1204	07/16/2024 1958
664319	Westmoreland	1	467	07/17/2024 0628	07/17/2024 1415
662313	Washington	7	464	07/16/2024 0430	07/16/2024 1214
660603	Elk	448	462	07/15/2024 1542	07/15/2024 2324
664302	Butler	1	454	07/17/2024 0559	07/17/2024 1333
661697	Butler	22	446	07/15/2024 1655	07/16/2024 0021
665122	Washington	199	440	07/17/2024 1725	07/18/2024 0045
665541	Westmoreland	22	425	07/18/2024 0110	07/18/2024 0815
664545	Butler	7	423	07/17/2024 1010	07/17/2024 1713
662300	Butler	2	398	07/15/2024 2237	07/16/2024 0515

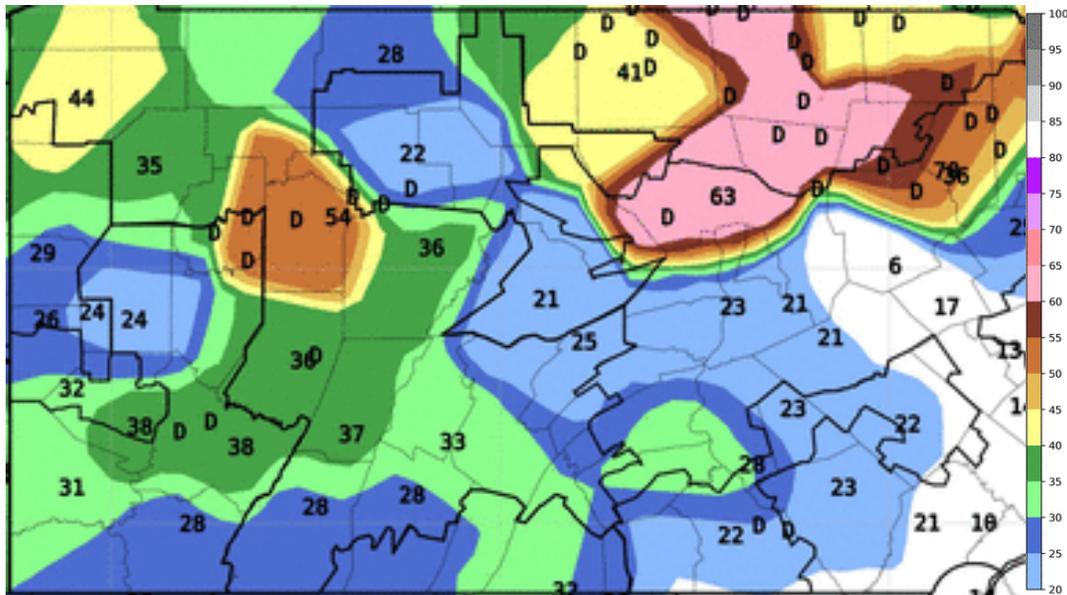
West Penn Rate District Storm Report

Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
664111	Butler	10	397	07/16/2024 1746	07/17/2024 0023
660778	Westmoreland	15	394	07/15/2024 1521	07/15/2024 2155
665423	Westmoreland	1	393	07/17/2024 2042	07/18/2024 0315
662319	Bedford	8	392	07/16/2024 0448	07/16/2024 1120
662494	Cameron	84	391	07/16/2024 0819	07/16/2024 1450
664226	Clarion	4	384	07/16/2024 2111	07/17/2024 0335
661200	Butler	361	381	07/15/2024 1413	07/15/2024 2034
665008	Westmoreland	19	380	07/17/2024 1615	07/17/2024 2235
665600	Westmoreland	5	379	07/17/2024 2201	07/18/2024 0420
661298	Lycoming	32	379	07/15/2024 1711	07/15/2024 2330
665122	Washington	57	378	07/17/2024 1827	07/18/2024 0045
661653	Westmoreland	8	375	07/15/2024 2025	07/16/2024 0240
665578	Westmoreland	16	374	07/18/2024 0311	07/18/2024 0925
665086	Butler	7	372	07/17/2024 1010	07/17/2024 1622
663132	Centre	86	369	07/16/2024 1406	07/16/2024 2015
662439	Westmoreland	1	367	07/16/2024 0745	07/16/2024 1352
662990	Westmoreland	3	365	07/16/2024 0745	07/16/2024 1350
665211	Fayette	6	364	07/17/2024 1805	07/18/2024 0009
665219	Greene	10	362	07/17/2024 1808	07/18/2024 0010

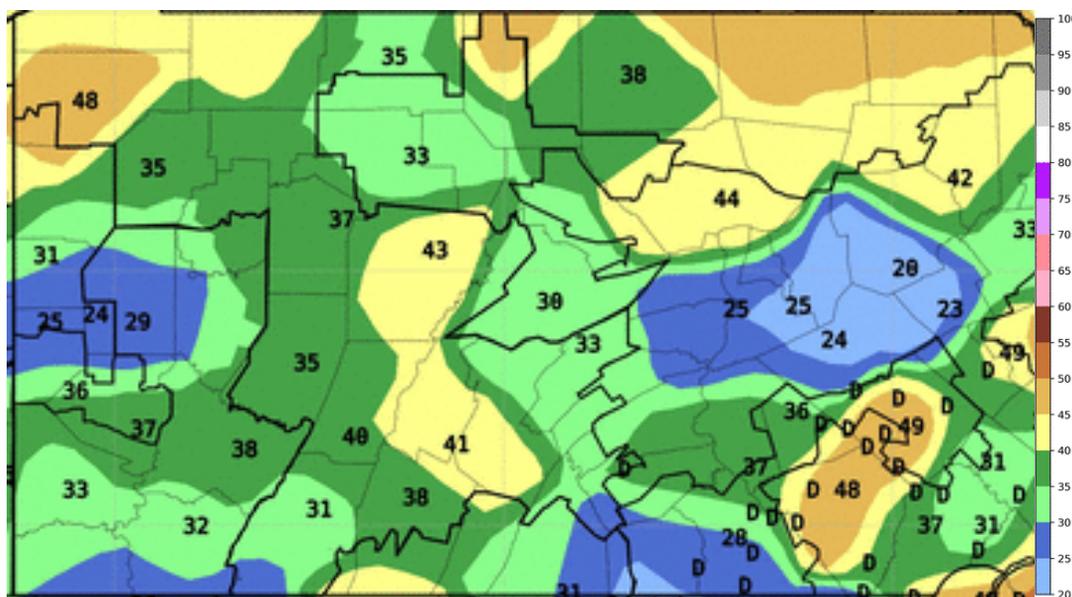
Attachment B: Precipitation Reports

Wind & Precipitation Reports: Graphics 1 and 2 illustrate the maximum wind gusts in the West Penn service territory on Monday, July 15 and Tuesday, July 16, 2024. Graphic 3 illustrates the 24-Hour Total Precipitation in the West Penn service territory on Wednesday, July 17, 2024. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

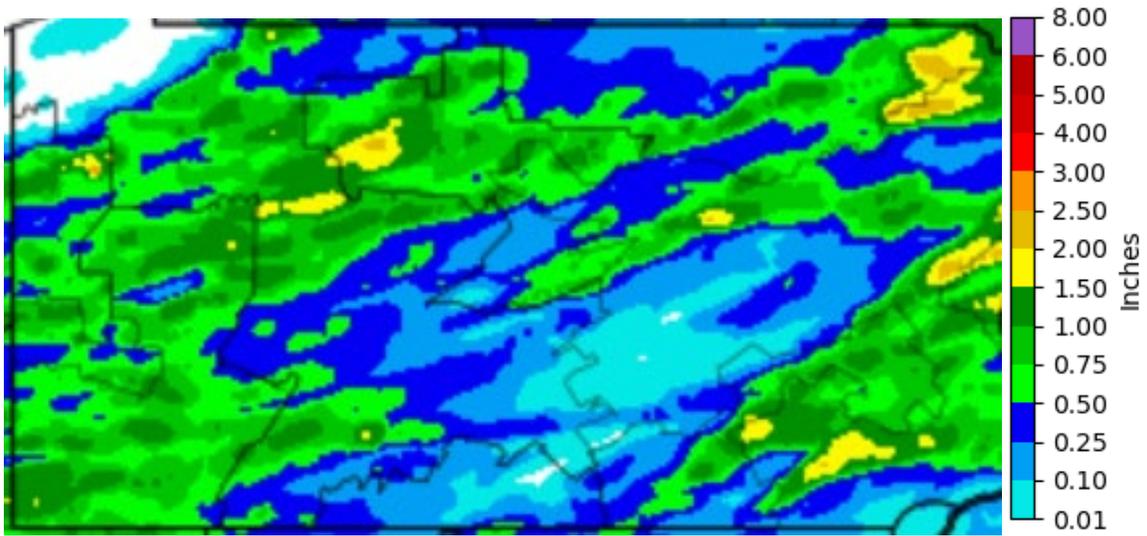
Graphic 1: Maximum Wind Gusts – Monday, July 15, 2024



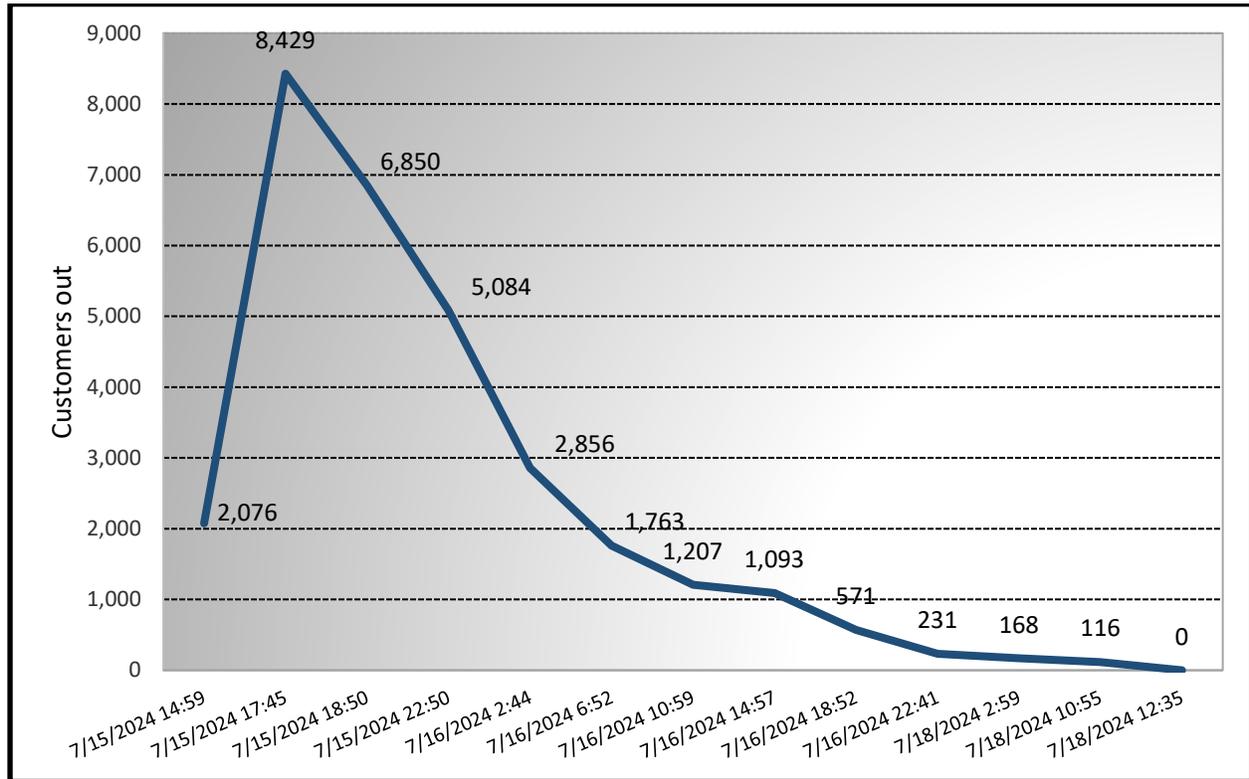
Graphic 2: Maximum Wind Gusts – Tuesday, July 16, 2024



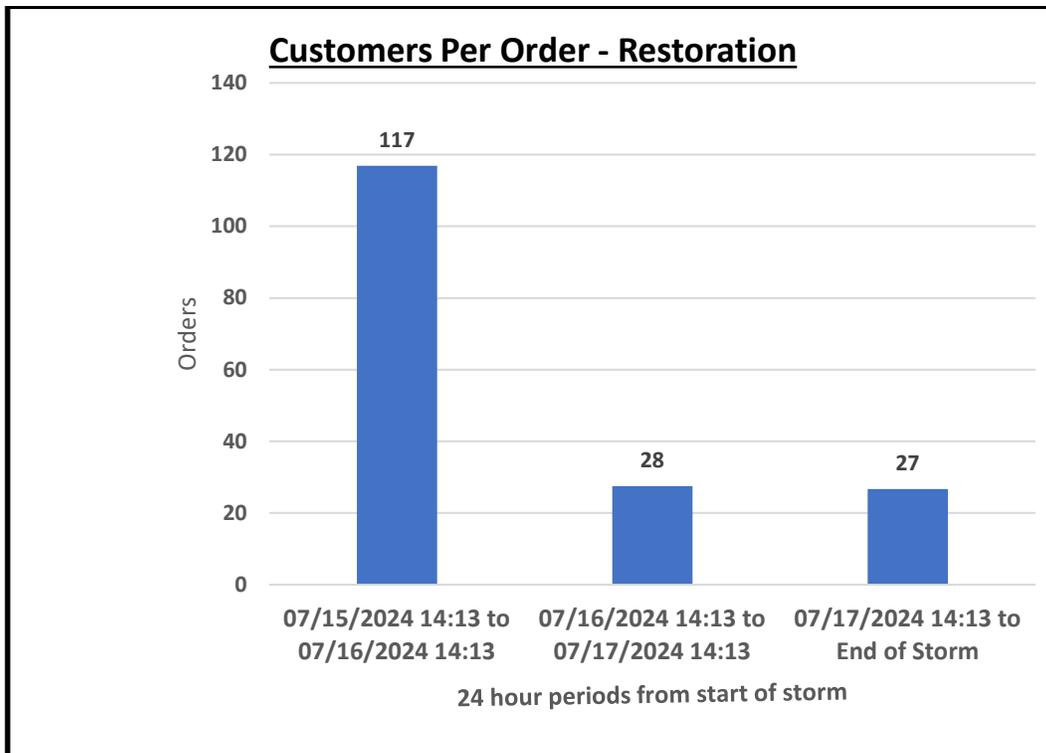
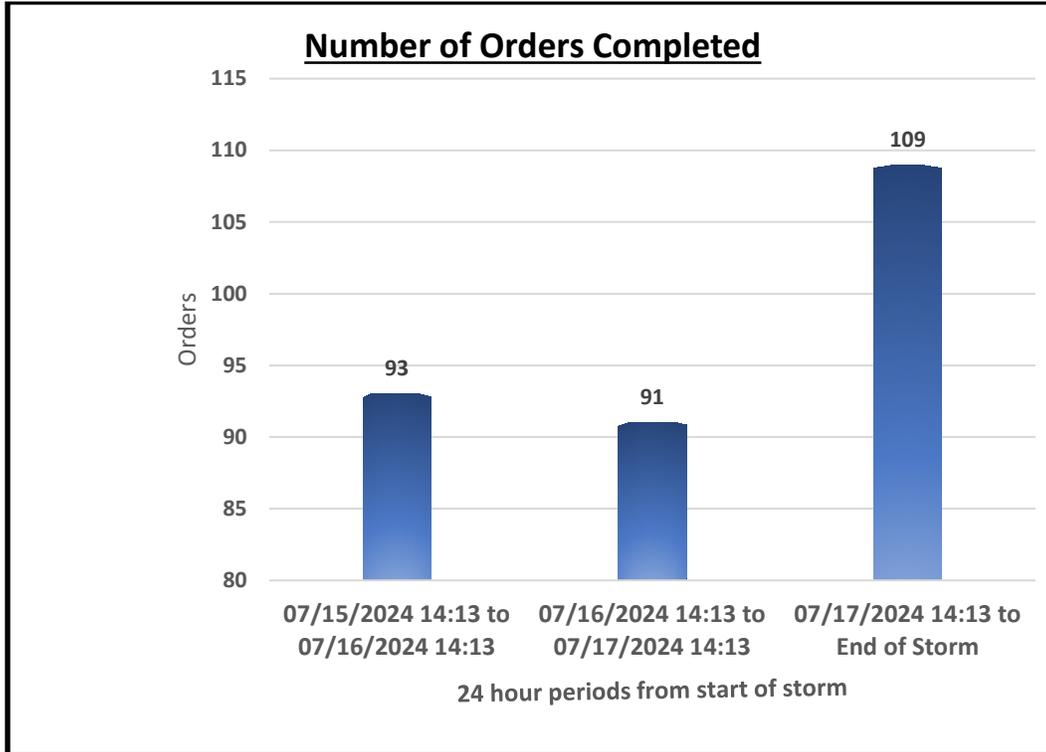
Graphic 3: 24-Hour Total Precipitation – Wednesday, July 17, 2024



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: Meteorologist Reports

Sunday, July 14, 2024 @ 0913

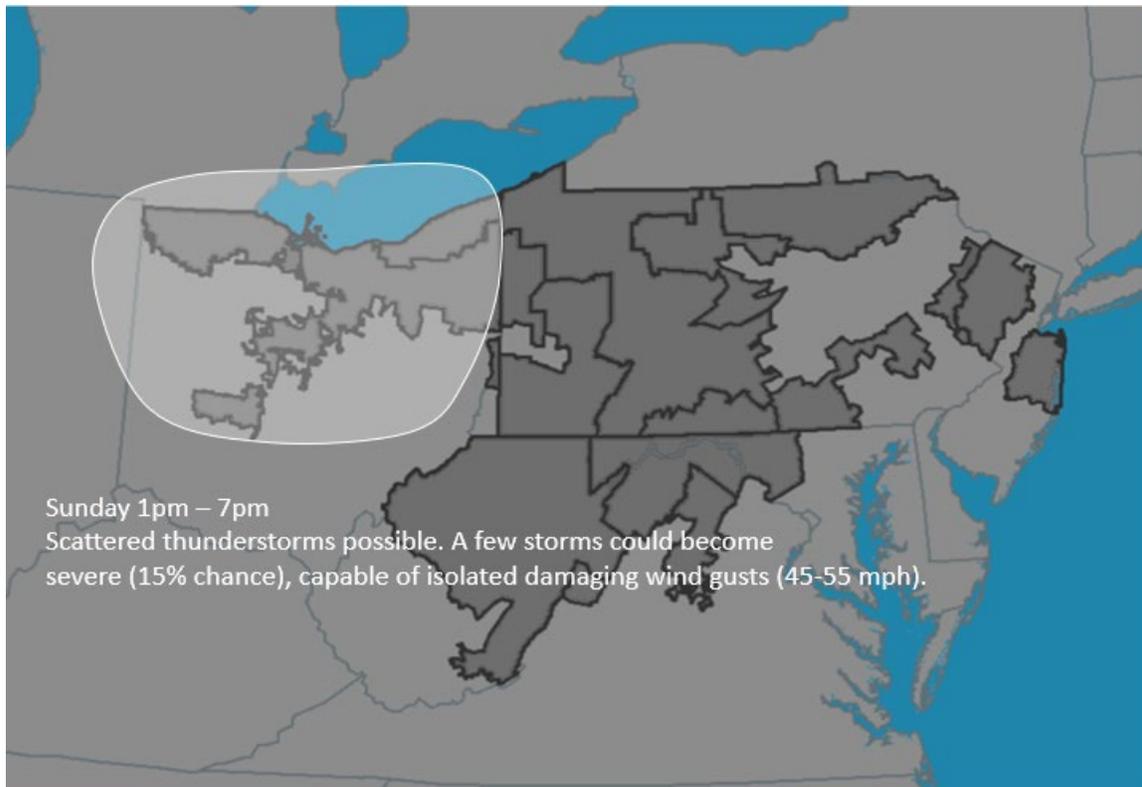
New Issuance:

Sunday afternoon:

A round of scattered thunderstorms is possible across areas of OH during the afternoon and evening hours. Storms will be likely to relatively slow-moving, and therefore could produce heavy rainfall along with a few scattered damaging wind gusts throughout the day.

Early Monday Morning:

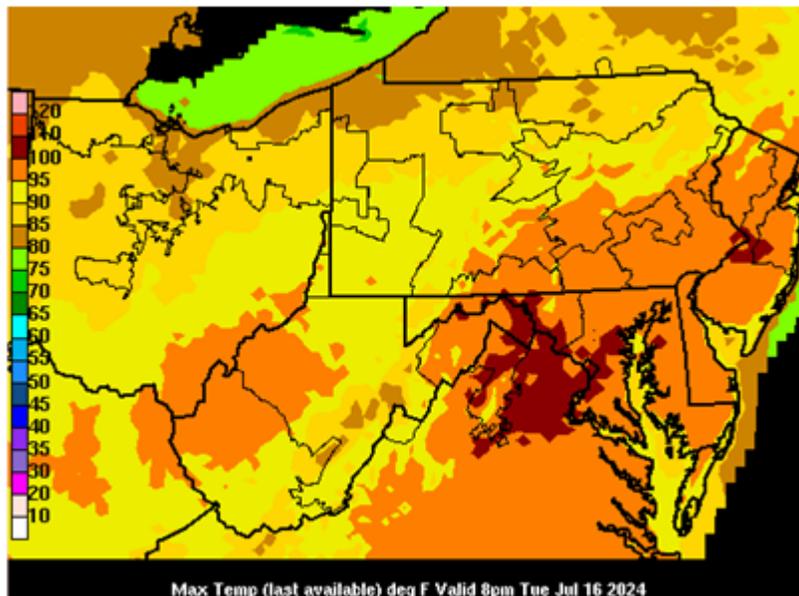
A second round of strong/severe thunderstorms will be possible overnight, across areas of OH, western PA and possibly northern WV. There is potential for a complex/small line of storms to arrive from the west in the early morning hours—this scenario is very uncertain, but if this occurs, any arriving storms will be capable of scattered damaging wind gusts and locally heavy rainfall.



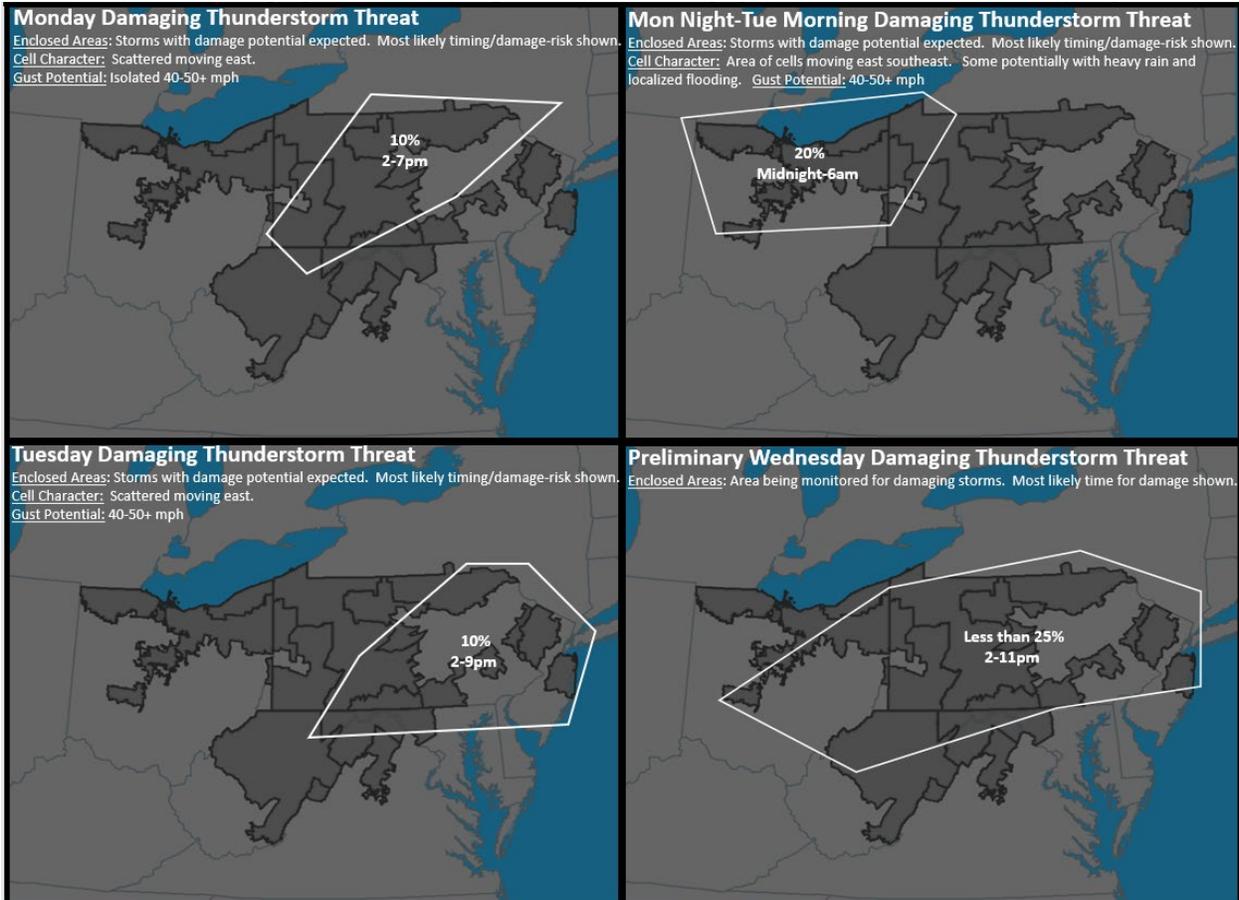
Monday, July 15, 2024 @ 0951

New issuance

1. Damaging storm threat expected daily through mid-week. Note the overnight threat in FE West tonight.
2. Excessive heat expected FE East peaking tomorrow. Actual high temperatures near 100F (dark red) in many locations with wide-spread 95-100F (orange).



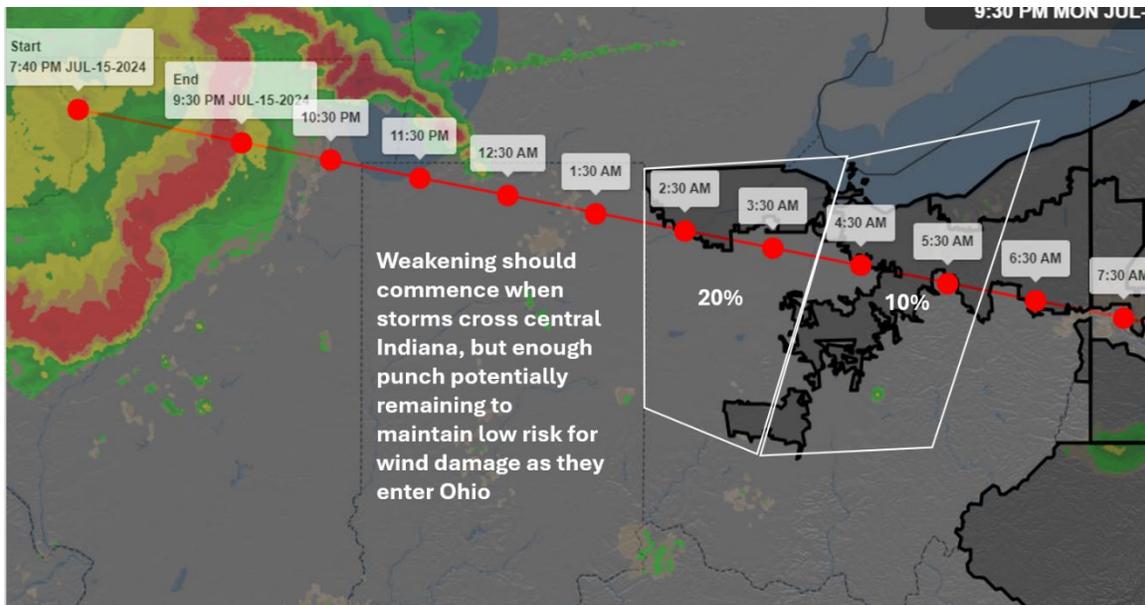
West Penn Rate District Storm Report



Monday, July 15, 2024 @ 2205

Very impressive line of storms has formed and presently moving through IL. Timing is in line with alert already issued. Models suggest rapid weakening as the storms near and OH. However we will retain the risk as indicated below in this update.

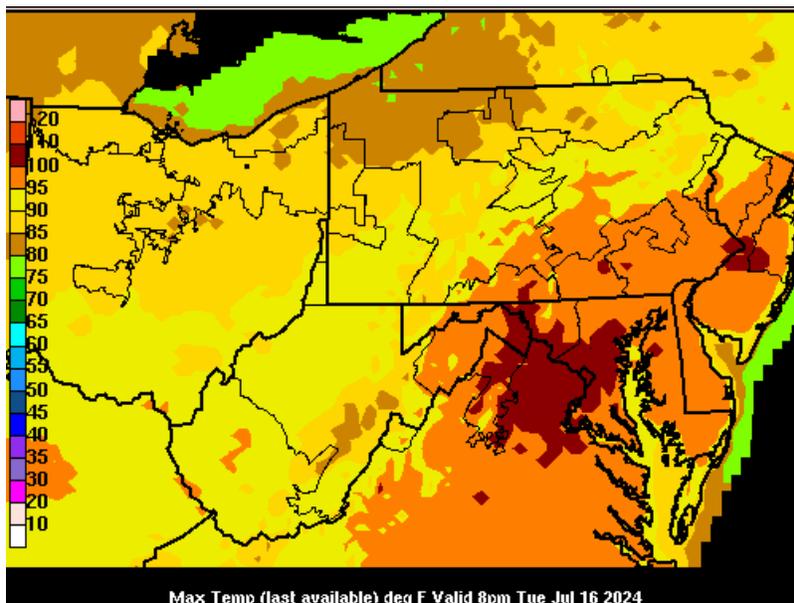
Meanwhile storms in northeast PA may clip north JCPL as they exit FE by midnight.



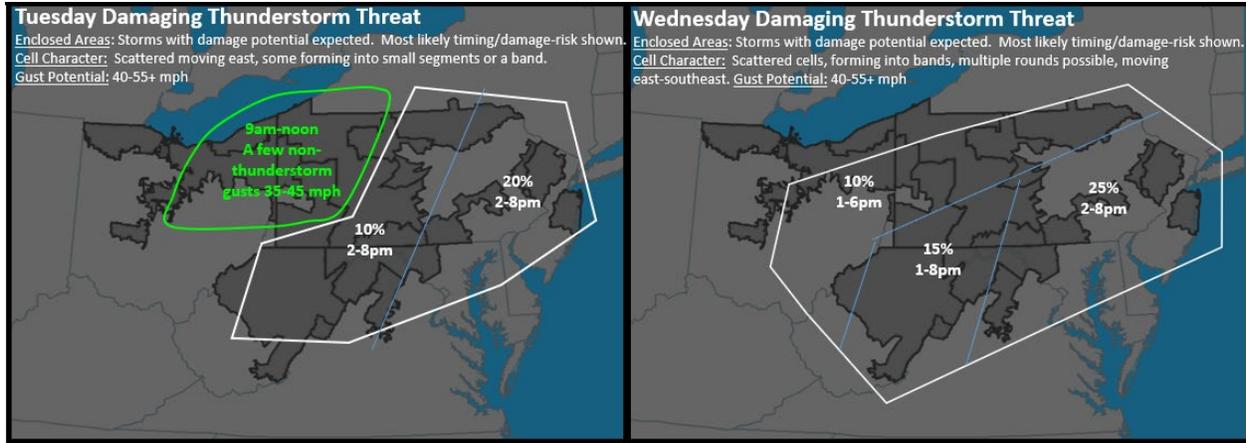
Tuesday, July 16, 2024 @ 0921

Changes

1. This morning - added a non-thunderstorm gust threat (green) this morning in OH and PA due to leftover winds stirred up from that large line of storms that died as they moved into OH last night.
2. Today and tomorrow – thunderstorm threat: Expanded threat areas and added details of risk levels and timing
3. Today – updated excessive heat map – today will be hottest day of heat wave – still expecting actual high temperatures near 100F (dark red) in many locations with wide-spread 95-100F (orange). Feels-like temp will reach near 110F in some of these locations today.



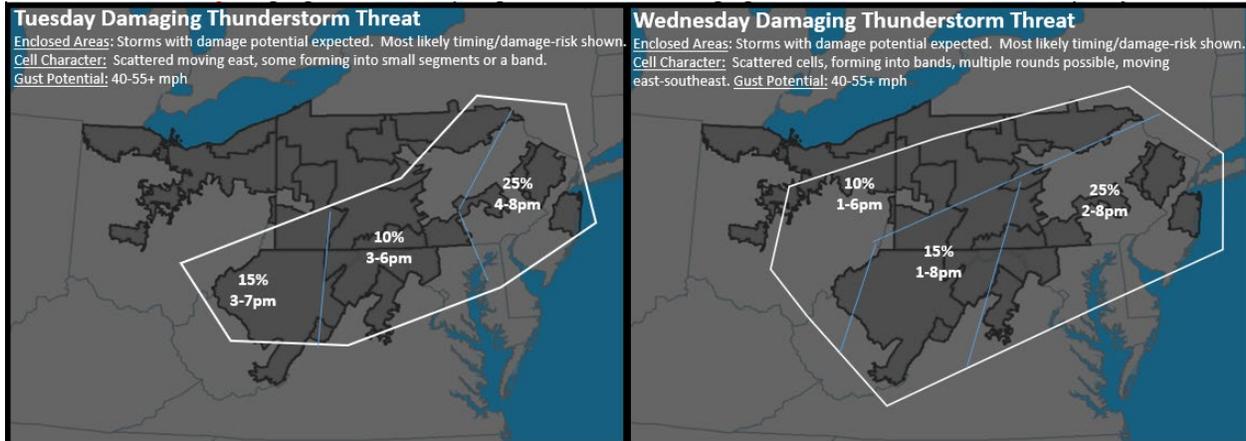
West Penn Rate District Storm Report



Tuesday, July 16, 2024 @ 1501

Changes

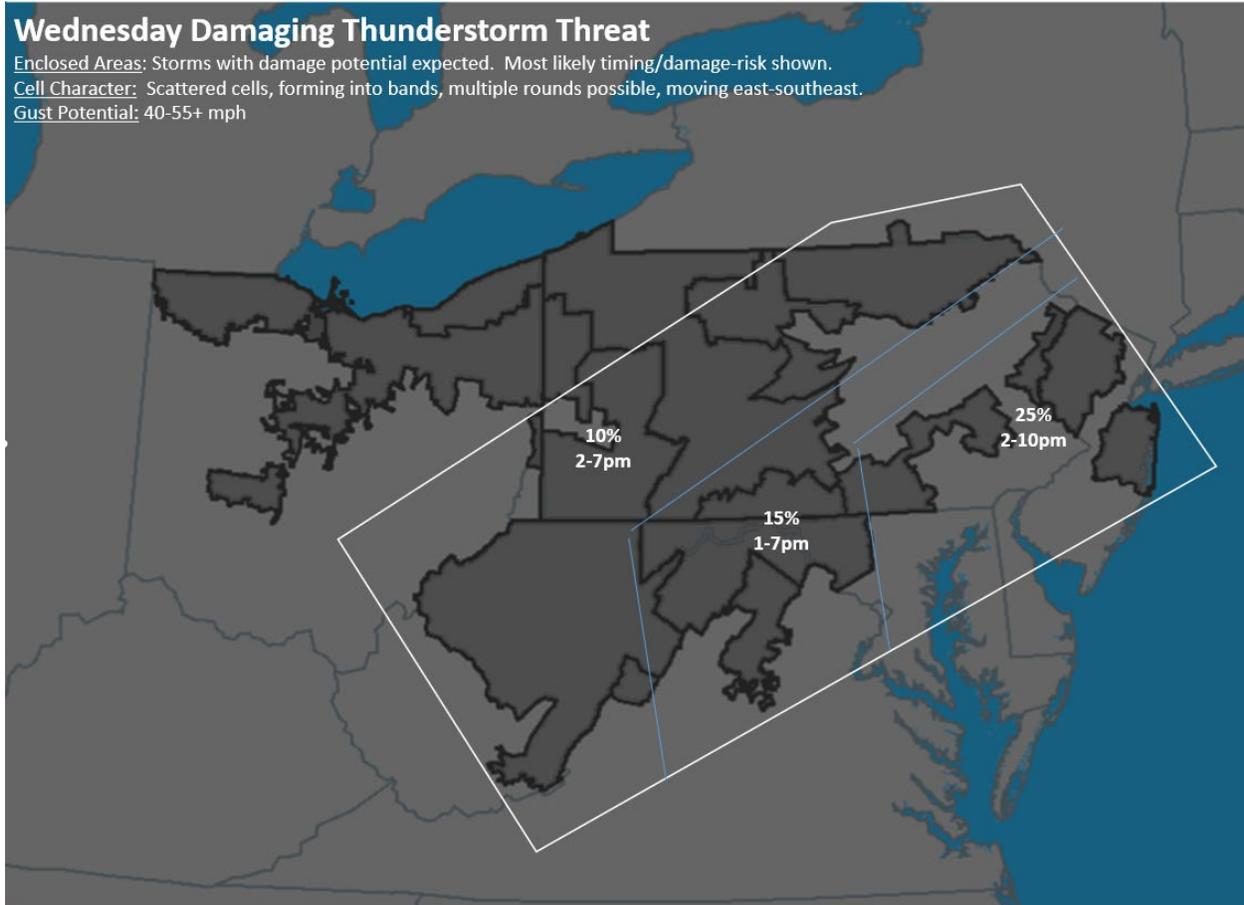
Today – fine-tuned threat areas and details.



Wednesday, July 17, 2024 @ 0742

Changes

Today – fine-tuned threat areas and details.



Wednesday, July 17, 2024 @ 1447

Fine-tuned timing, especially ending time, and risk levels.

