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August 22, 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 August 6, 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:

August 6, 2024
(Date)

2024
(Time)

5. Interruption or Outage:

(a) Number of customers affected: 19,232 (Represents 2.6% 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
Adams	98	3	1
Allegheny	2,830	19	24
Armstrong	858	25	24
Bedford	23	1	3
Butler	4,282	41	54
Cameron	1	1	2
Centre	908	33	32
Clarion	43	3	3
Clinton	68	3	3
Elk	10	2	2
Fayette	580	10	21
Franklin	1,257	14	15
Fulton	42	4	6
Greene	53	7	4
Indiana	34	5	1
McKean	508	1	0
Washington	4,453	25	20
Westmoreland	3,184	46	74
Total	19,232	243	289

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 89

(e) A listing of each outage case exceeding 6 or more hours in duration: See Attachment A.

(f) Reason for the interruption or outages: Beginning the afternoon of Tuesday August 6, 2024, a weather system producing thunderstorms moved through Pennsylvania including the West Penn service territory. The system produced storms with heavy precipitation and high winds of approximately 40 miles per hour. See Attachment B for the maximum wind gusts and the 24-hour total precipitation for August 6, 2024.

Damage as a result of the storms included downed wires, and damaged and broken poles, trees, and branches. The Arnold, Butler, and State College regions were the hardest hit areas. Approximately 57.6% of the total outages that occurred were tree related and an additional 20.6% were equipment and line failure related.

Preliminary data indicates the reliability impact of the storm was 6.8 minutes of

SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 257.66 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 2300 on Wednesday, August 7, 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
West Penn	105	Line Workers
Subtotal	105	Line Workers
NG Gilbert	5	Line Contractors
Subtotal	5	Line Contractors
Asplundh Tree Expert, LLC	21	Forestry
Davey Tree Expert	17	Forestry
Subtotal	38	Forestry
West Penn	12	Hazard Responders
Subtotal	12	Hazard Responders
West Penn	1	Supporting Roles
FirstEnergy Service Company	11	Supporting Roles
Subtotal	12	Supporting Roles
Grand Total	172	

- (i) The date and time of the first information of a service interruption: August 6, 2024, at 1217.
- (j) The date and time that repair crews were assembled: August 6, 2024, at 0600.
- (k) The actual time that service was restored to the last affected customer: August 8, 2024, at 1138.

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

Equipment	Number
Primary Spans	120
Secondary Spans	15
Crossarms Replaced	35
Cutouts Replaced	18
Poles Replaced	10
Transformers Replaced	17
Wire & Cable Replaced (feet)	8,873

- (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
684978	Centre	25	2,433	08/06/2024 1905	08/08/2024 1138
682693	Butler	4	2,195	08/06/2024 1425	08/08/2024 0300
682692	Butler	1	2,193	08/06/2024 1425	08/08/2024 0258
683505	Centre	48	1,765	08/06/2024 1545	08/07/2024 2110
682988	Centre	3	1,672	08/06/2024 1548	08/07/2024 1940
682589	Centre	7	1,608	08/06/2024 1557	08/07/2024 1845
682923	Butler	18	1,606	08/06/2024 1217	08/07/2024 1503
684582	Centre	134	1,582	08/06/2024 1553	08/07/2024 1815
682509	Clinton	7	1,572	08/06/2024 1538	08/07/2024 1750
682566	Centre	6	1,569	08/06/2024 1553	08/07/2024 1802
682290	Butler	2	1,544	08/06/2024 1434	08/07/2024 1618
683888	Centre	20	1,489	08/06/2024 1632	08/07/2024 1721
684456	Butler	2	1,447	08/06/2024 1458	08/07/2024 1505
684280	Butler	3	1,439	08/07/2024 1023	08/08/2024 1022
683260	Armstrong	20	1,408	08/06/2024 1926	08/07/2024 1854
683016	Indiana	8	1,398	08/06/2024 1546	08/07/2024 1504
683244	Centre	9	1,389	08/06/2024 1701	08/07/2024 1610
683618	Westmoreland	16	1,373	08/06/2024 1522	08/07/2024 1415
683295	Allegheny	1	1,356	08/06/2024 1938	08/07/2024 1814
683033	Centre	15	1,339	08/06/2024 1553	08/07/2024 1412
683085	Butler	12	1,305	08/06/2024 1855	08/07/2024 1640
682333	Butler	17	1,300	08/06/2024 1448	08/07/2024 1228
682229	Butler	15	1,292	08/06/2024 1412	08/07/2024 1144
683900	Washington	2	1,270	08/06/2024 1655	08/07/2024 1405
682984	Butler	46	1,258	08/06/2024 1825	08/07/2024 1523
684441	Butler	4	1,220	08/06/2024 1822	08/07/2024 1442
683037	Butler	9	1,218	08/06/2024 1822	08/07/2024 1440
682604	Westmoreland	3	1,209	08/06/2024 1559	08/07/2024 1208
683805	Butler	19	1,197	08/06/2024 1855	08/07/2024 1452
683504	Butler	18	1,171	08/06/2024 1847	08/07/2024 1418
682393	Butler	24	1,107	08/06/2024 1511	08/07/2024 0938
682979	Butler	163	1,085	08/06/2024 1822	08/07/2024 1227

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.

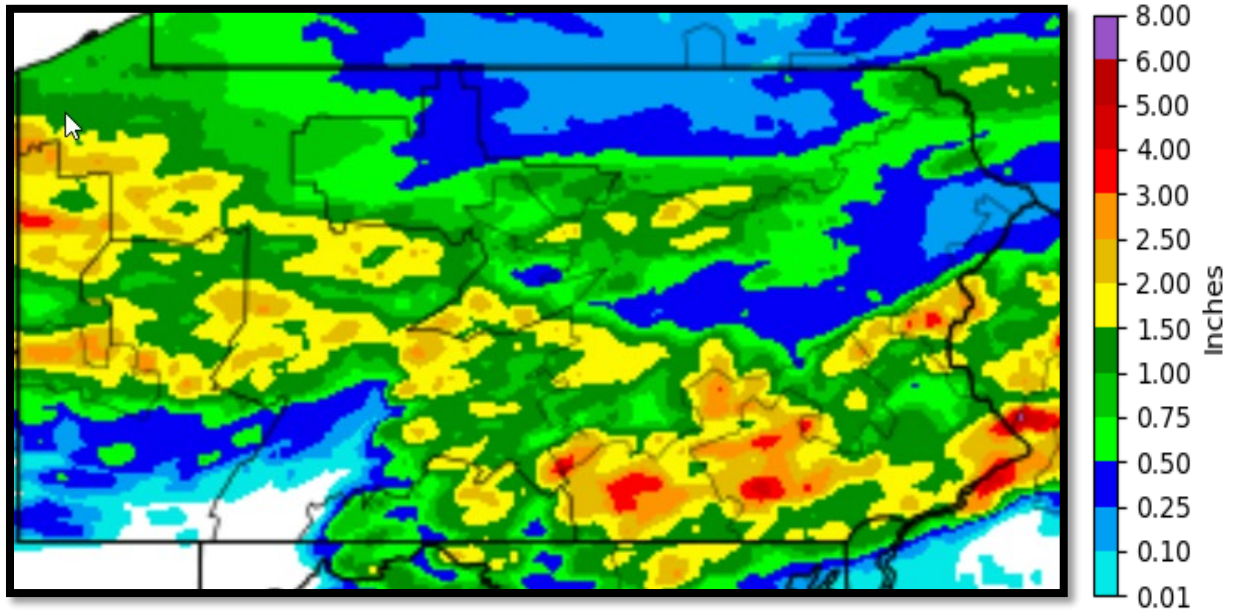
West Penn Rate District Storm Report

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
682766	Allegheny	3	1,082	08/06/2024 1653	08/07/2024 1055
682263	Allegheny	1	1,081	08/06/2024 1427	08/07/2024 0828
683067	Washington	6	1,066	08/06/2024 1854	08/07/2024 1240
682654	Westmoreland	2	1,061	08/06/2024 1615	08/07/2024 0956
683063	Butler	2	1,023	08/06/2024 1854	08/07/2024 1157
683685	Armstrong	6	998	08/06/2024 1947	08/07/2024 1225
683601	Westmoreland	241	978	08/06/2024 1522	08/07/2024 0740
683036	Butler	55	975	08/06/2024 1847	08/07/2024 1102
683716	Centre	1	963	08/06/2024 2302	08/07/2024 1505
683351	Butler	4	962	08/06/2024 1948	08/07/2024 1150
683823	Centre	3	937	08/06/2024 2341	08/07/2024 1518
683679	Westmoreland	3	914	08/06/2024 1701	08/07/2024 0815
684911	Westmoreland	20	876	08/07/2024 2003	08/08/2024 1039
683161	Allegheny	9	867	08/06/2024 1902	08/07/2024 0929
682674	Butler	609	840	08/06/2024 1435	08/07/2024 0435
684181	Allegheny	2	832	08/06/2024 1914	08/07/2024 0906
683447	Washington	124	822	08/06/2024 1908	08/07/2024 0850
683452	Washington	3	815	08/06/2024 2016	08/07/2024 0951
683515	Washington	1	795	08/06/2024 2045	08/07/2024 1000
682601	Westmoreland	14	761	08/06/2024 1559	08/07/2024 0440
684242	Greene	25	723	08/06/2024 2347	08/07/2024 1150
682804	Centre	22	718	08/06/2024 1632	08/07/2024 0430
684122	Westmoreland	167	708	08/07/2024 0850	08/07/2024 2038
683683	Allegheny	3	668	08/06/2024 2215	08/07/2024 0923
683379	Fayette	5	664	08/06/2024 1956	08/07/2024 0700
684884	Butler	5	657	08/07/2024 1245	08/07/2024 2342
683657	Greene	8	655	08/06/2024 2151	08/07/2024 0846
683578	Franklin	32	635	08/06/2024 1817	08/07/2024 0452
682542	Westmoreland	4	622	08/06/2024 1549	08/07/2024 0211
683686	Fulton	11	604	08/06/2024 2222	08/07/2024 0826
683943	Butler	1	572	08/07/2024 0556	08/07/2024 1528
683724	Allegheny	1	570	08/06/2024 2310	08/07/2024 0840
683018	Butler	14	565	08/06/2024 1835	08/07/2024 0400
683780	Westmoreland	1	556	08/06/2024 1534	08/07/2024 0050
683926	Washington	9	550	08/07/2024 0455	08/07/2024 1405
683577	Washington	59	546	08/06/2024 1924	08/07/2024 0430
685064	Butler	2	543	08/08/2024 0042	08/08/2024 0945
685102	Franklin	3	532	08/07/2024 2340	08/08/2024 0832

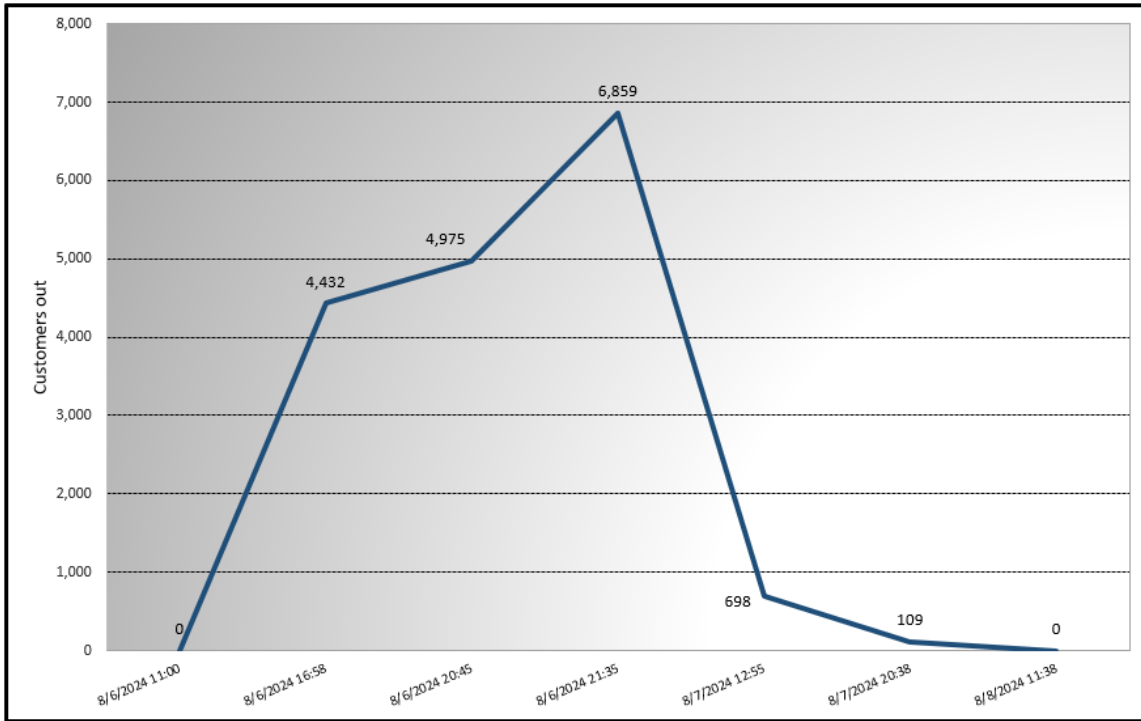
West Penn Rate District Storm Report

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
682741	Armstrong	2	523	08/06/2024 1530	08/07/2024 0013
683643	Washington	171	522	08/06/2024 1908	08/07/2024 0350
683365	Westmoreland	12	502	08/06/2024 1950	08/07/2024 0412
683673	Westmoreland	3	498	08/06/2024 2201	08/07/2024 0619
683866	Westmoreland	10	462	08/06/2024 1950	08/07/2024 0332
683276	Westmoreland	5	457	08/06/2024 1923	08/07/2024 0300
684258	Clarion	1	432	08/07/2024 1013	08/07/2024 1725
682541	Centre	3	431	08/06/2024 1549	08/06/2024 2300
683881	Centre	129	429	08/07/2024 0419	08/07/2024 1128
683039	Adams	8	411	08/06/2024 1848	08/07/2024 0139
685090	Armstrong	29	399	08/08/2024 0301	08/08/2024 0940
682160	Armstrong	138	397	08/06/2024 1234	08/06/2024 1911
683828	McKean	508	397	08/07/2024 0213	08/07/2024 0850
684092	Bedford	23	396	08/07/2024 0834	08/07/2024 1510
683795	Washington	124	385	08/06/2024 1936	08/07/2024 0201
684054	Indiana	1	375	08/07/2024 0815	08/07/2024 1430
683088	Butler	9	365	08/06/2024 1855	08/07/2024 0100
682262	Butler	1159	364	08/06/2024 1427	08/06/2024 2031
682067	Butler	42	360	08/06/2024 1240	08/06/2024 1840

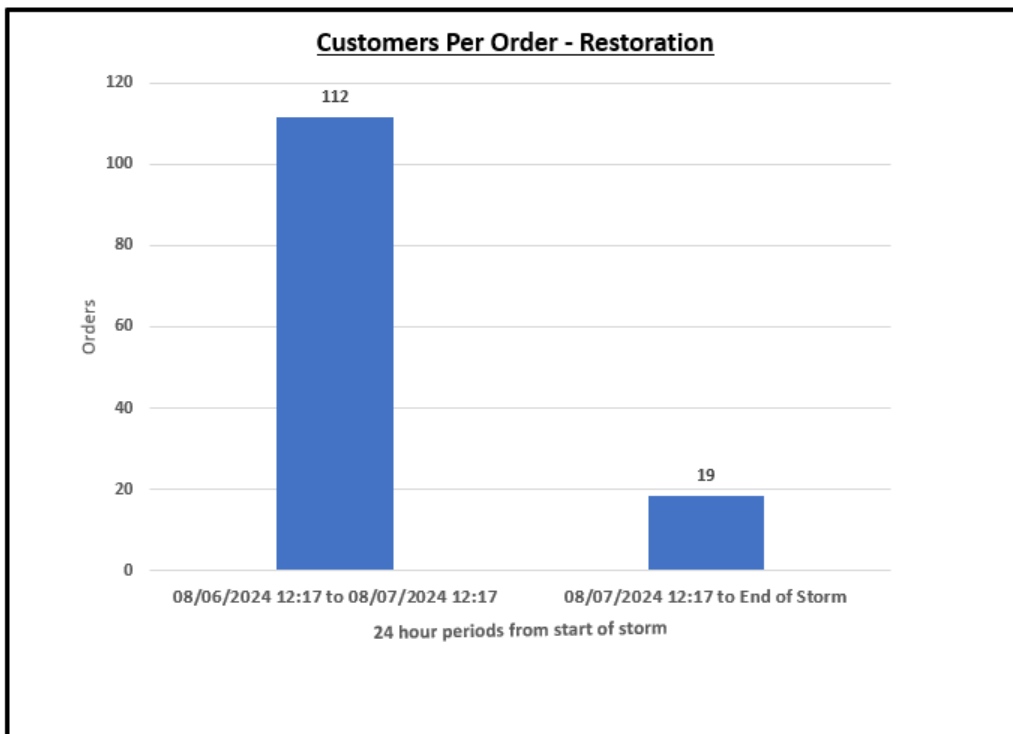
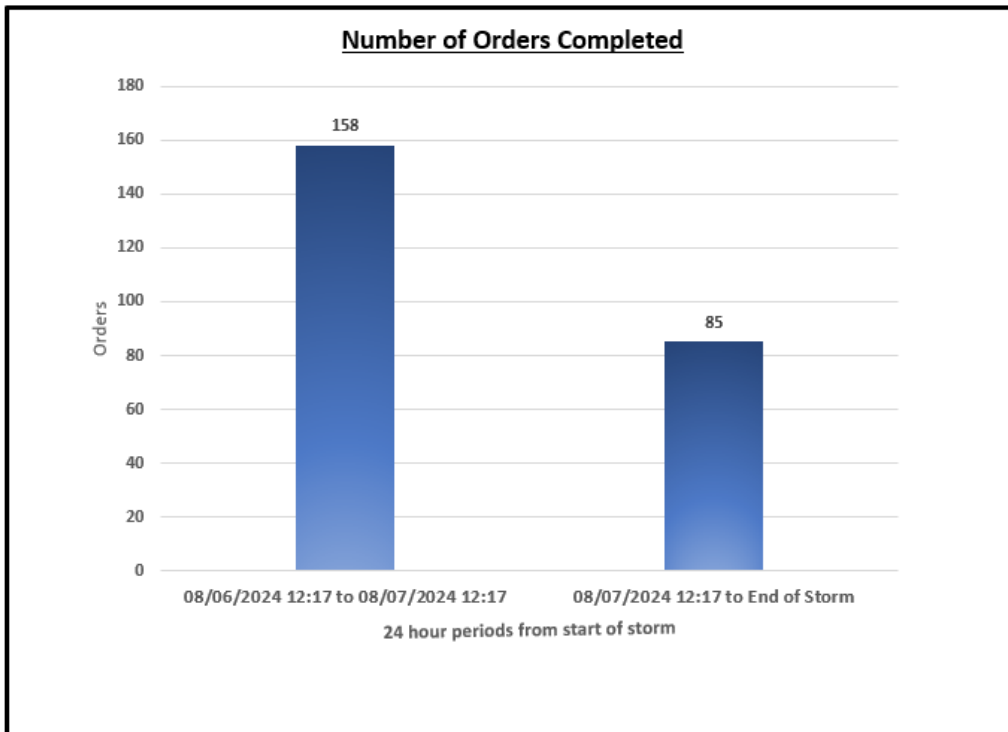
Graphic 2: 24-Hour Total Precipitation – Tuesday August 6, 2024



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: Meteorologist Reports

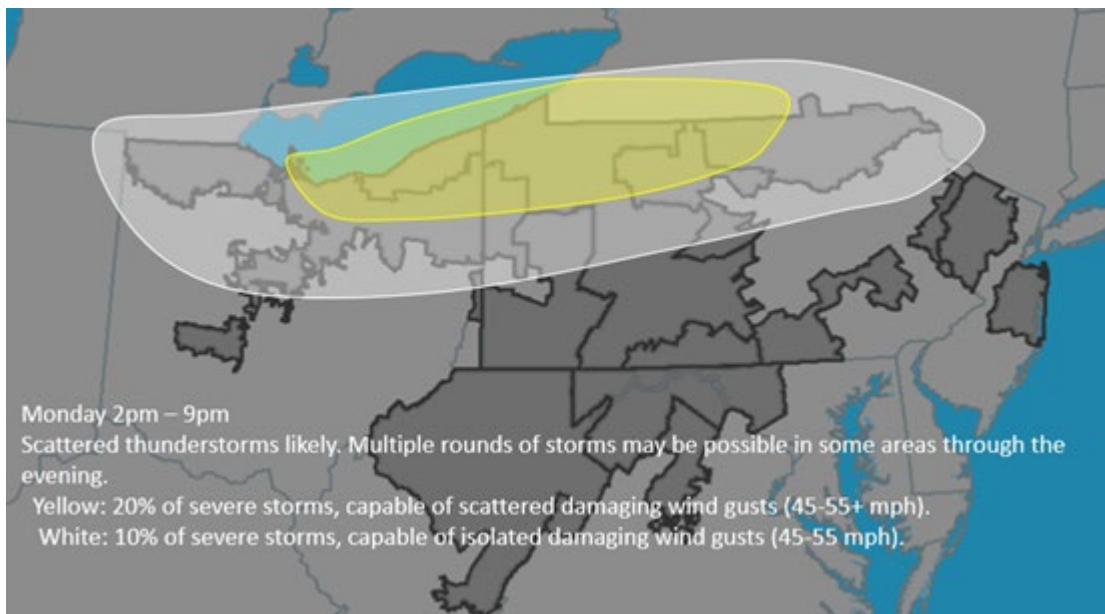
Monday, August 5, 2024 @ 0926

Update:

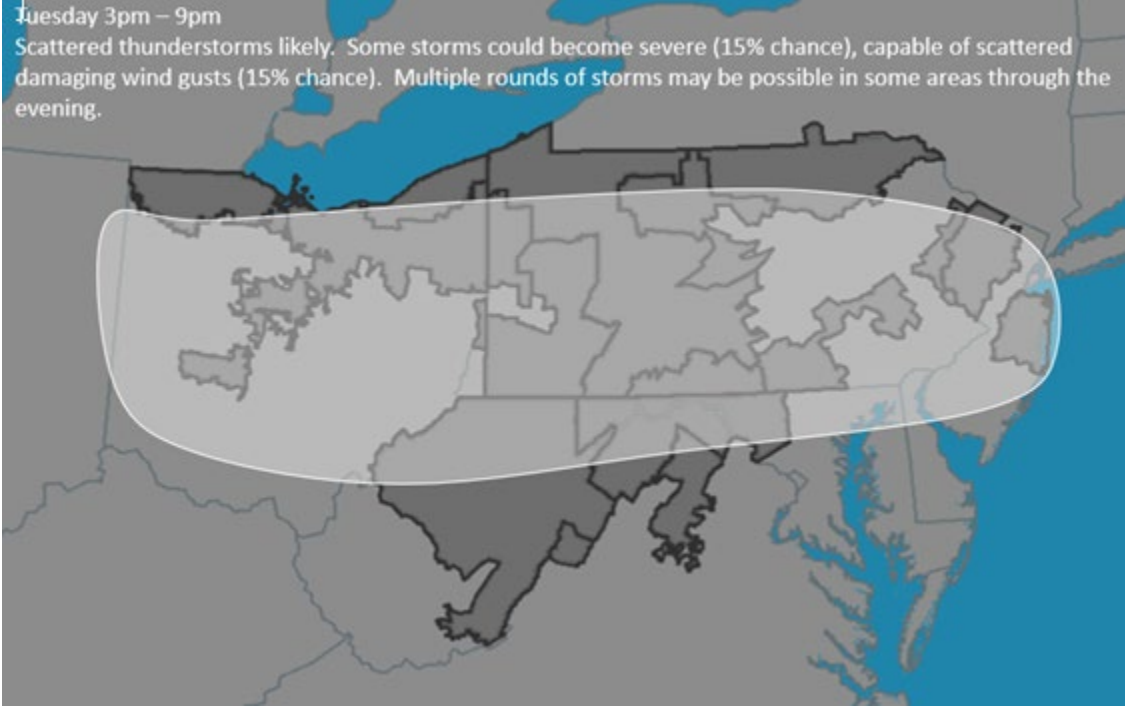
Only slight adjustments to areas and risk levels for this afternoon.

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

See graphics below for further information.



West Penn Rate District Storm Report



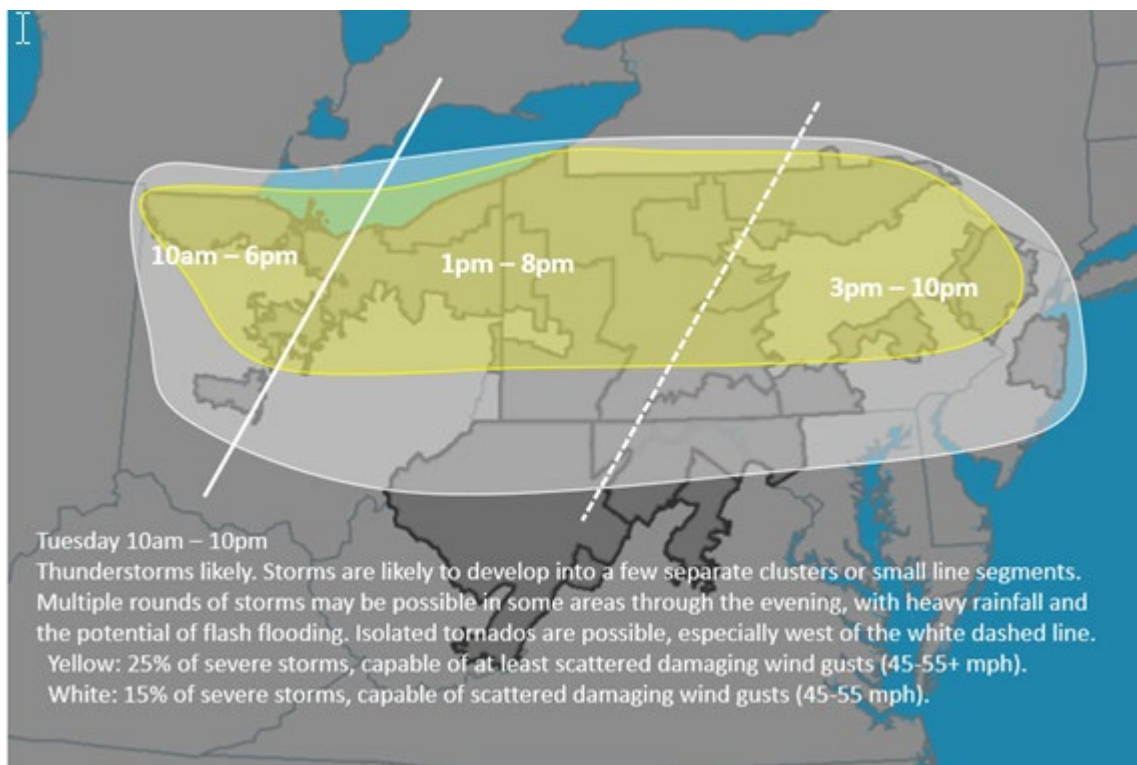
Tuesday August 6, 2024 @ 0905

Update:

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

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

See graphic below for further information.



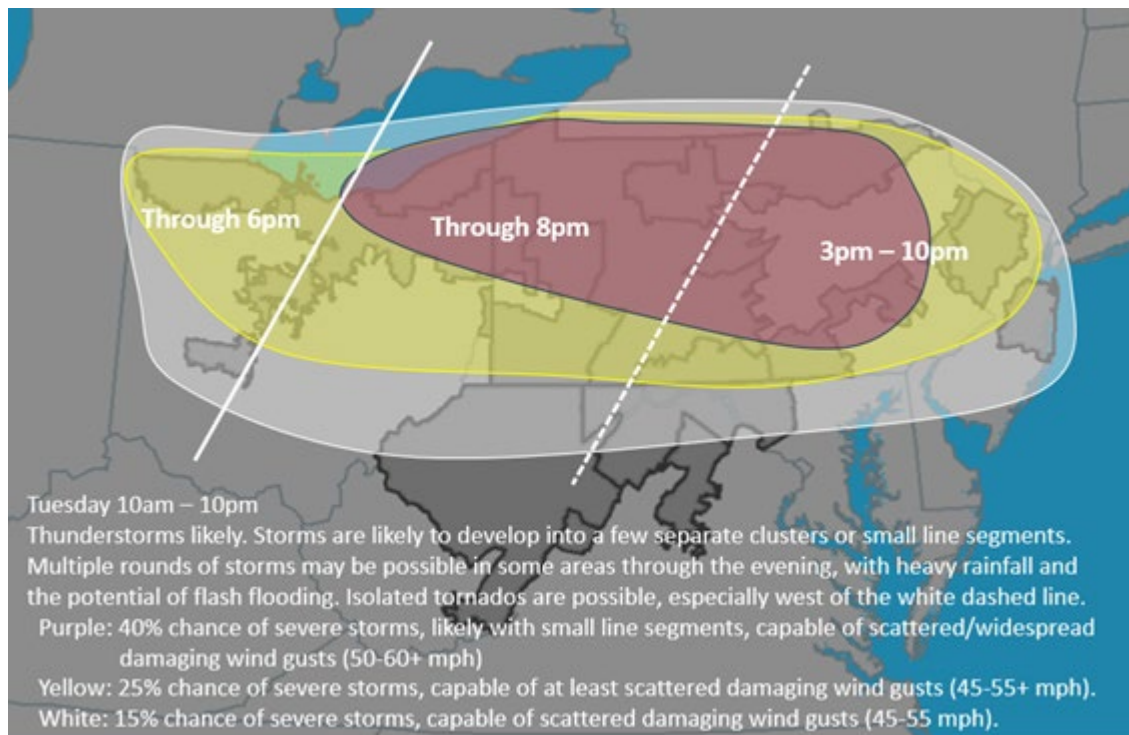
Tuesday August 6, 2024 @ 1204

Update:

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

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

See graphic below for further information.



Tuesday, August 6, 2024 @ 1546

Update:

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

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

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

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

See graphics below for further information.

West Penn Rate District Storm Report

