

Tori L. Giesler, Esq.
(610) 921-6658
(330) 315-9263 (Fax)

September 14, 2021

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 August 29, 2021 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) 921-6783.

Sincerely,



Tori L. Giesler

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: Pennsylvania Electric Company ("Penelec")
Address: 800 Cabin Hill Road
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 29, 2021 2256
(Date) *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 10,225 (Represents 1.8% 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	196	3	4
Blair	285	10	12
Bradford	266	6	9
Cambria	139	16	19
Clarion	221	7	0
Clearfield	1,940	30	7
Crawford	78	5	9
Cumberland	9	1	1
Erie	1,317	20	28
Forest	9	1	1
Huntingdon	2	2	1
Indiana	595	11	7
Jefferson	2,705	23	8
McKean	32	3	5
Mifflin	2	2	4
Somerset	944	14	9
Susquehanna	14	2	6
Tioga	54	2	3
Venango	908	12	3
Warren	356	8	1
Wyoming	153	3	2
Total	10,225	181	139

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 49

(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 Sunday morning, August 29, 2021, and continuing through early Monday evening, August 30, 2021, thunderstorms moved through western Pennsylvania, including the Penelec service territory. The thunderstorms produced rain, lightning, and winds with maximum gusts in excess of 35-miles per hour. See Attachment B for the maximum wind gusts and precipitation for August 29 and August 30, 2021.

Damage as a result of the rain, wind and lightning included downed trees/power lines, damaged and broken poles/crossarms and failed transformers. The DuBois, Indiana and

Oil City districts were the hardest hit. Approximately 40% of the total outages that occurred in the Penelec service territory were tree-related with an additional 18% of outages caused by lightning.

Preliminary data indicate the reliability impact of the storm was 4.8 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 272.14 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 1500 on August 30, with a few isolated customers extending beyond this time.

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
Penelec	70	Line Workers
Subtotal	70	
Davey Tree	7	Forestry Contractor
PennLine Services	5	Forestry Contractor
Townsend Tree	9	Forestry Contractor
Subtotal	21	
Penelec	31	Supporting Roles
Subtotal	31	
Grand Total	122	

- (i) The date and time of the first information of a service interruption: August 29, 2021, at 0613.
- (j) The date and time that repair crews were assembled: Crews were on duty in anticipation of the storm with additional crews called in to support restoration.
- (k) The actual time that service was restored to the last affected customer: August 31, 2021, at 1659. Additionally, Penelec was able to restore approximately 77.8% of the impacted customers in less than six hours.
- (l) A general description of the physical damage sustained by the utility facilities as a result of the interruption/outage:

Equipment	Number
Primary Spans Down	74
Secondary Spans Replaced	28
Crossarms Replaced	24
Cutouts Replaced	18
Poles Replaced	20
Transformers Replaced	16
Wire & Cable Replaced (feet)	930

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

See Attachment E for the weather forecast reports.

(n) If the interruption/outage event caused approximate outages that exceed 10% or more of customer in the utility's entire service territory, rank the event in terms of the number and duration of outages and provide 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
11735501-1	Indiana	7	2,794	08/29/2021 1825	08/31/2021 1659
11735505-2	Jefferson	4	2,321	08/29/2021 1835	08/31/2021 0916
11735693-2	Jefferson	11	2,113	08/30/2021 0007	08/31/2021 1120
11735666-1	Clearfield	25	1,816	08/29/2021 1640	08/30/2021 2256
11735435-1	Clearfield	6	1,753	08/29/2021 1747	08/30/2021 2300
11735792-1	Jefferson	2	1,670	08/29/2021 1705	08/30/2021 2055
11735614-3	Clearfield	78	1,644	08/29/2021 1645	08/30/2021 2009
11736517-2	Clearfield	2	1,599	08/29/2021 1711	08/30/2021 1950
11735294-3	Clearfield	5	1,573	08/29/2021 1637	08/30/2021 1850
11735615-3	Clearfield	37	1,535	08/29/2021 1645	08/30/2021 1820
11735611-1	Clearfield	2	1,522	08/29/2021 1640	08/30/2021 1802
11735611-1	Clearfield	51	1,515	08/29/2021 1640	08/30/2021 1755
11735773-1	Clearfield	1	1,455	08/29/2021 1845	08/30/2021 1900
11735467-1	Indiana	9	1,053	08/29/2021 1755	08/30/2021 1128
11735517-1	Huntingdon	1	1,024	08/29/2021 1851	08/30/2021 1155
11735647-3	Clarion	2	921	08/29/2021 2330	08/30/2021 1451
11735647-3	Clarion	1	921	08/29/2021 2330	08/30/2021 1451
11735359-3	Venango	2	840	08/29/2021 1658	08/30/2021 0658
11735556-1	Clearfield	207	838	08/29/2021 1640	08/30/2021 0638
11735748-2	Blair	4	837	08/29/2021 2025	08/30/2021 1022
11735556-1	Clearfield	790	832	08/29/2021 1640	08/30/2021 0632
11735431-1	Jefferson	2	821	08/29/2021 1744	08/30/2021 0725
11735559-1	Jefferson	2	812	08/29/2021 1943	08/30/2021 0915
11737202-2	Jefferson	45	771	08/30/2021 2059	08/31/2021 0950
11735239-1	Venango	38	741	08/29/2021 1307	08/30/2021 0128
11735500-1	Indiana	1	721	08/29/2021 1821	08/30/2021 0622
11737442-2	Clearfield	1	612	08/31/2021 0447	08/31/2021 1459
11735462-1	Jefferson	8	610	08/29/2021 1810	08/30/2021 0420
11735031-3	Venango	3	599	08/29/2021 0613	08/29/2021 1612
11735452-2	Somerset	2	593	08/29/2021 1741	08/30/2021 0334
11735439-1	Indiana	240	579	08/29/2021 1746	08/30/2021 0325
11735439-1	Indiana	48	572	08/29/2021 1746	08/30/2021 0318
11735634-1	Jefferson	6	545	08/29/2021 2110	08/30/2021 0615

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.

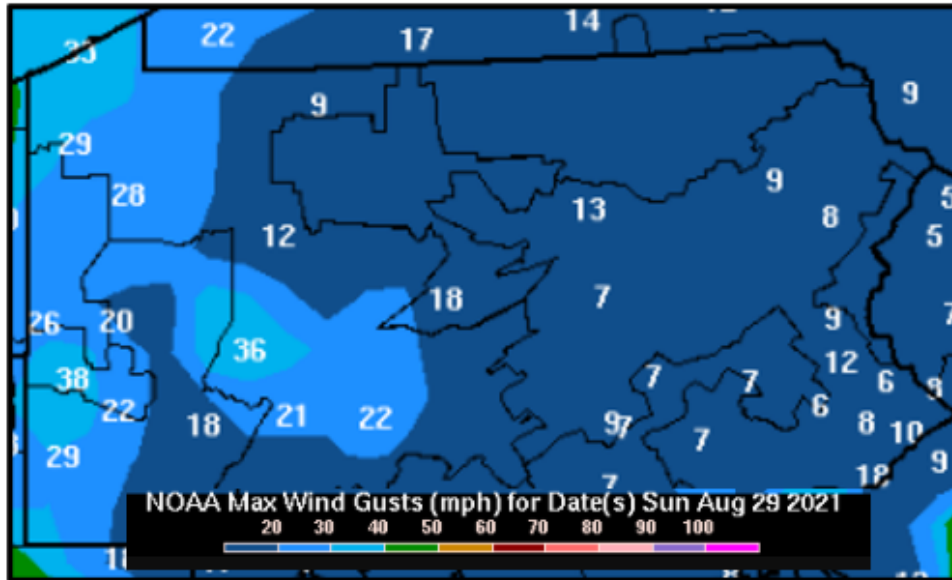
Penelec Storm Report

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
11735647-1	Clarion	86	527	08/29/2021 2155	08/30/2021 0642
11735542-1	Jefferson	1	499	08/29/2021 1926	08/30/2021 0345
11735474-1	Jefferson	67	485	08/29/2021 1800	08/30/2021 0205
11735456-1	Indiana	225	472	08/29/2021 1753	08/30/2021 0145
11735197-2	Clarion	1	464	08/29/2021 1325	08/29/2021 2109
11737556-2	Clearfield	1	448	08/31/2021 0842	08/31/2021 1610
11735647-1	Clarion	89	432	08/29/2021 2330	08/30/2021 0642
11737492-1	Clearfield	2	431	08/31/2021 0714	08/31/2021 1425
11735508-1	Clearfield	1	431	08/29/2021 1839	08/30/2021 0150
11735707-1	Blair	2	415	08/30/2021 0221	08/30/2021 0916
11735707-1	Blair	8	415	08/30/2021 0221	08/30/2021 0916
11735424-2	Tioga	44	401	08/29/2021 1739	08/30/2021 0020
11735371-2	Somerset	63	389	08/29/2021 1651	08/29/2021 2320
11735563-1	Somerset	7	388	08/29/2021 1952	08/30/2021 0220
11737526-2	Somerset	20	363	08/31/2021 0811	08/31/2021 1414
11735442-1	Somerset	9	362	08/29/2021 1738	08/29/2021 2340

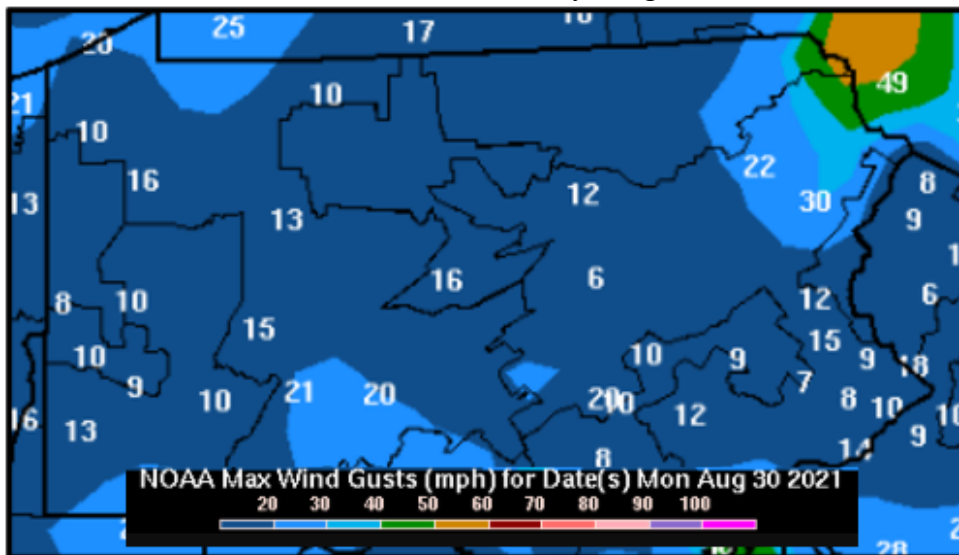
Attachment B: FirstEnergy Wind and Precipitation Report

Wind & Precipitation Report: Graphics 1 and 2 illustrate the maximum wind gusts in the Penelec service territory on August 29 and August 30, 2021. Graphics 3 and 4 illustrate the 24-Hour Total Precipitation on August 29 and August 30, 2021. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

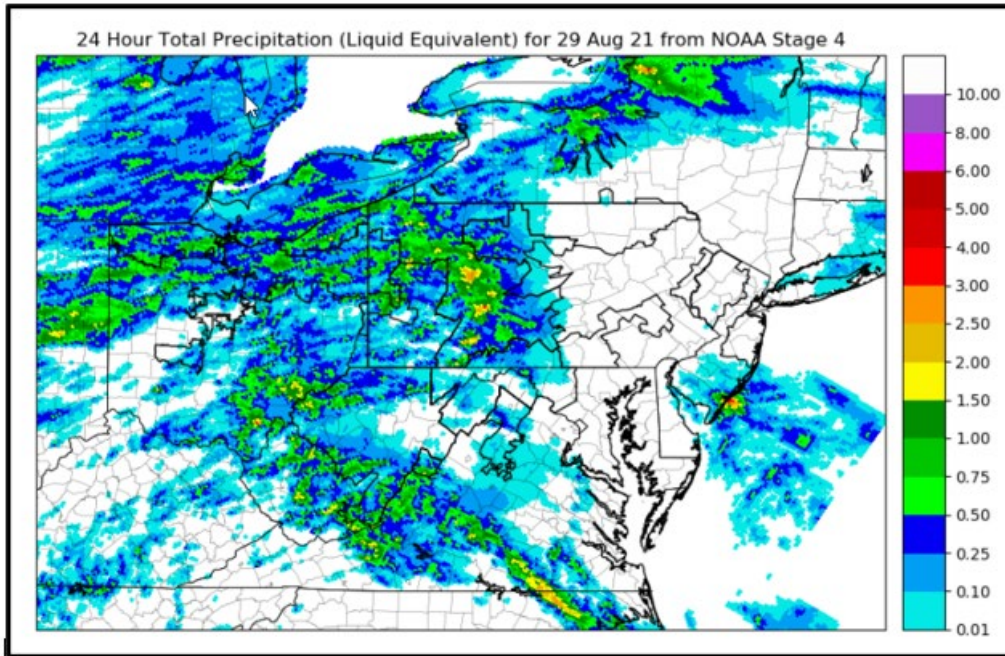
Maximum Wind Gusts: Sunday, August 29, 2021



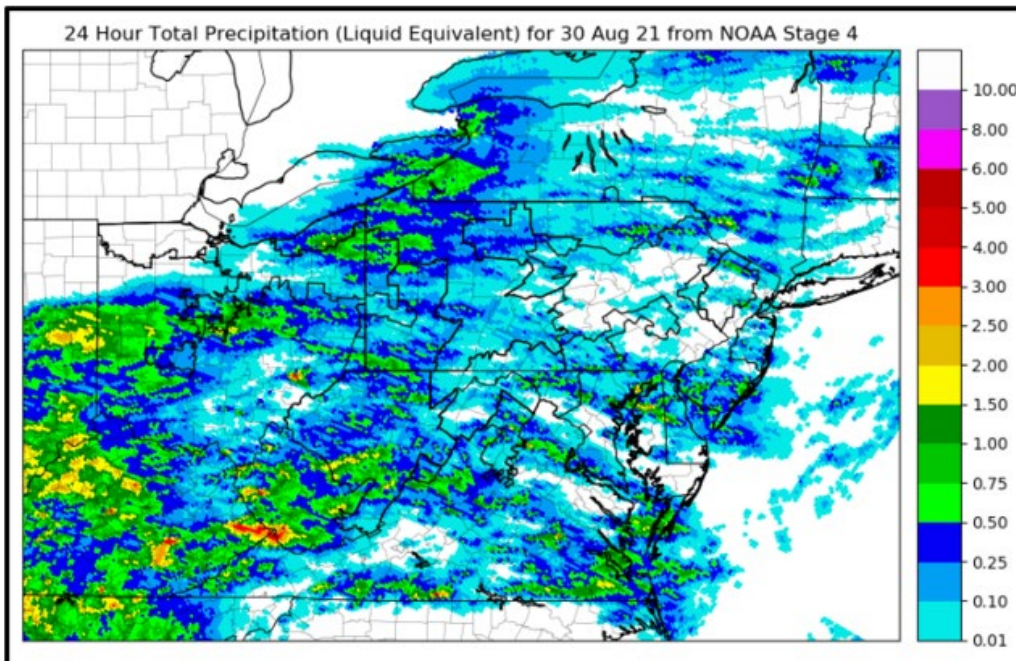
Maximum Wind Gusts: Monday, August 30, 2021



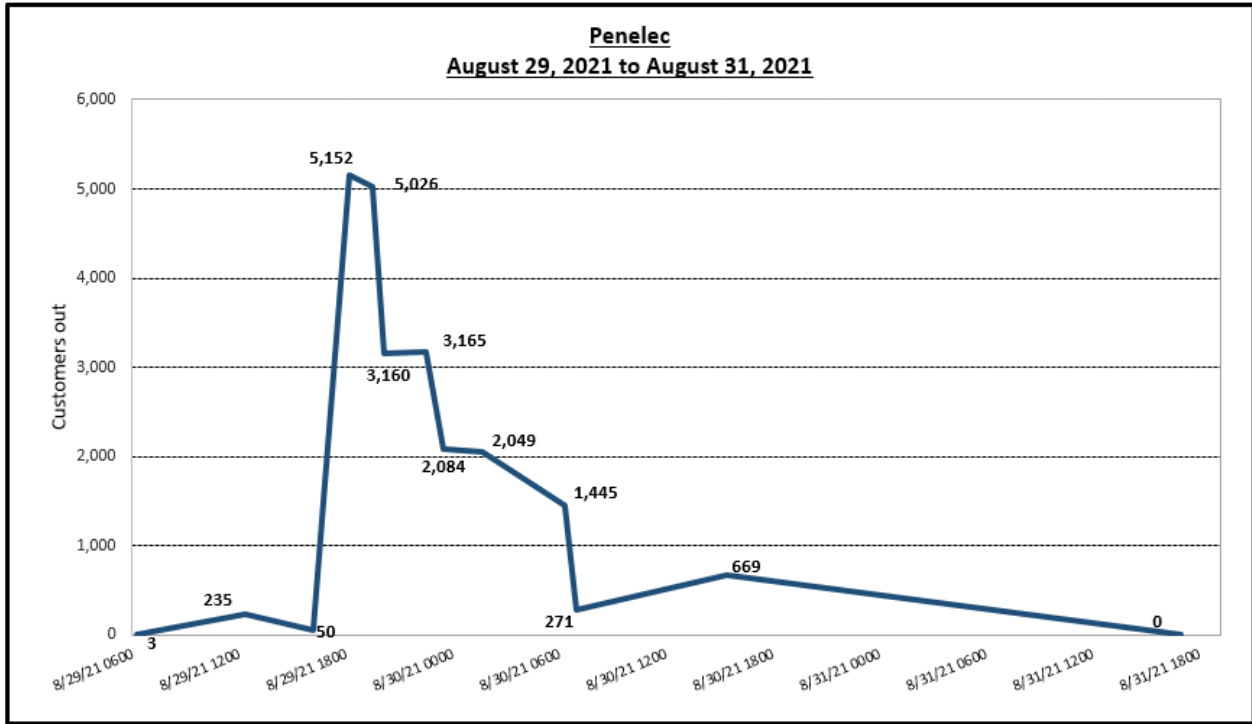
24-Hour Total Precipitation: Sunday, August 29, 2021



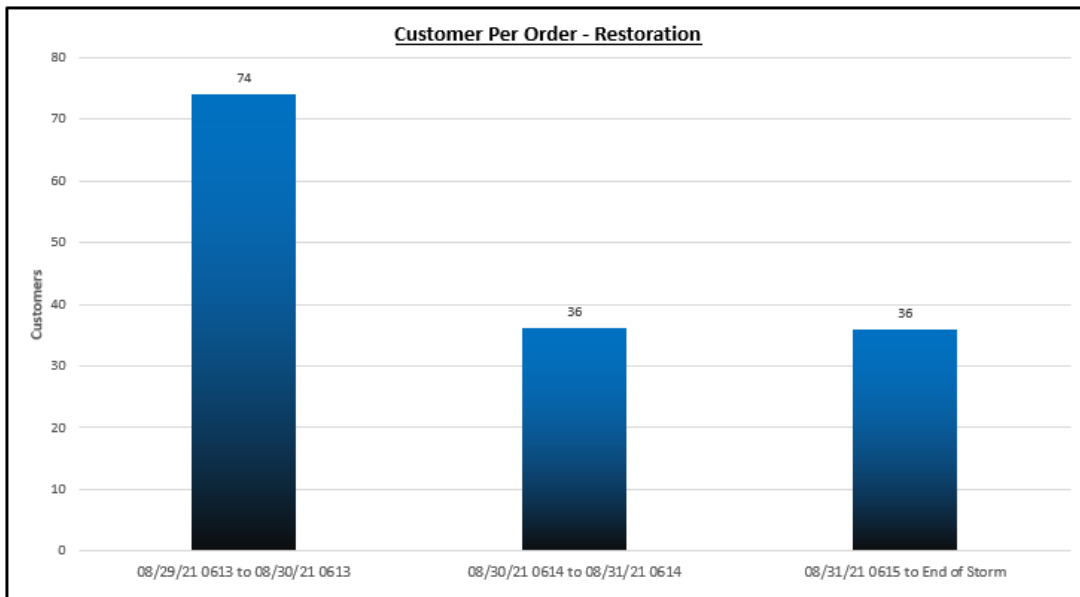
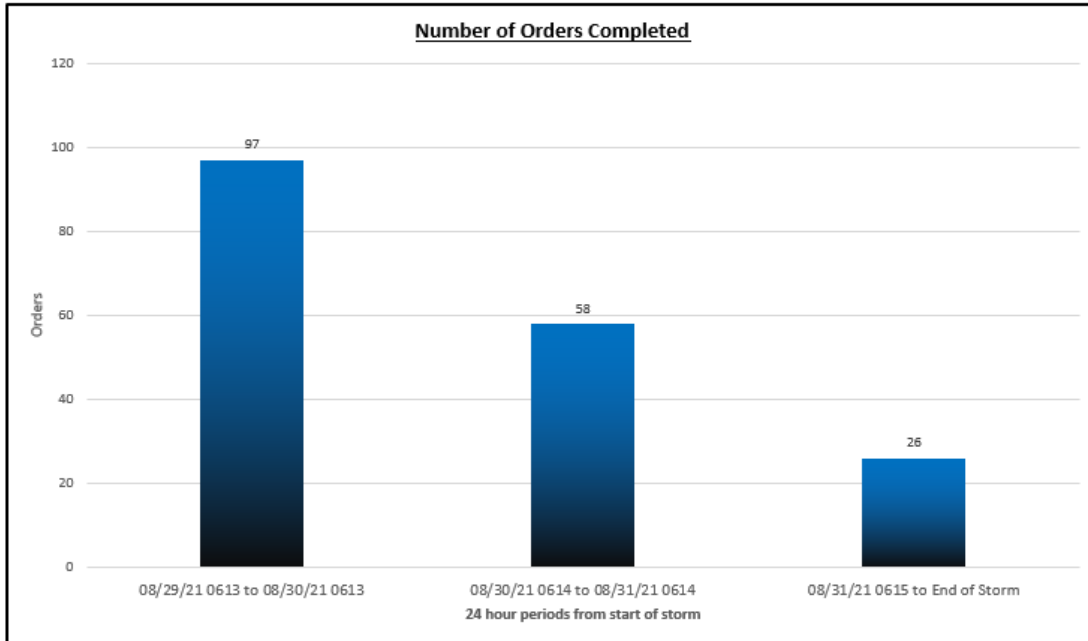
24-Hour Total Precipitation: Monday, August 30, 2021



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs

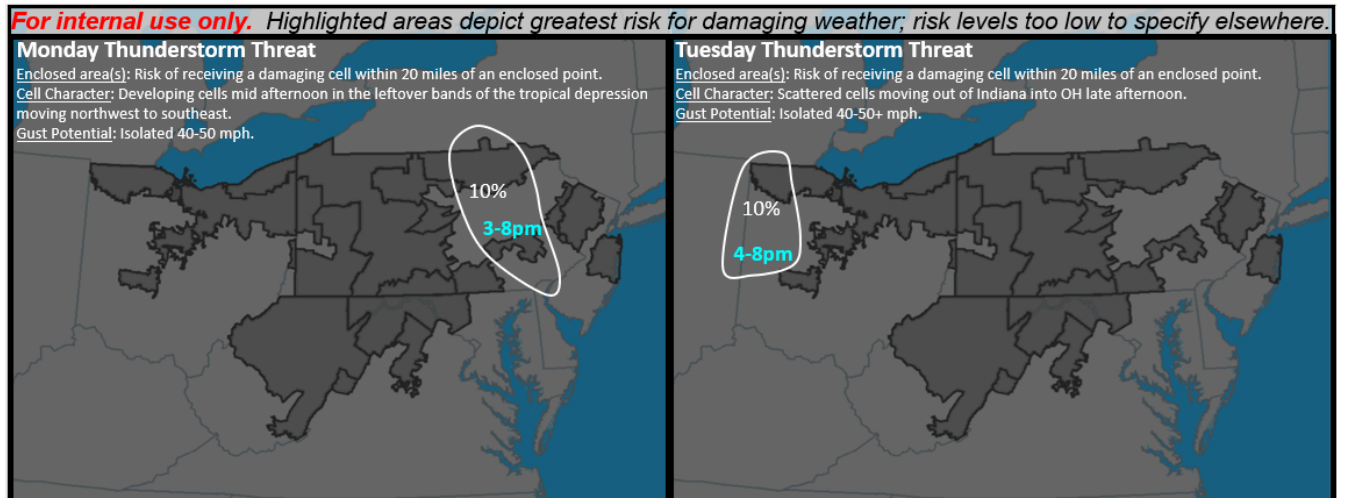


Attachment E: FirstEnergy Meteorologist Reports

Monday August 23, 2021 @ 0908

New Issuance

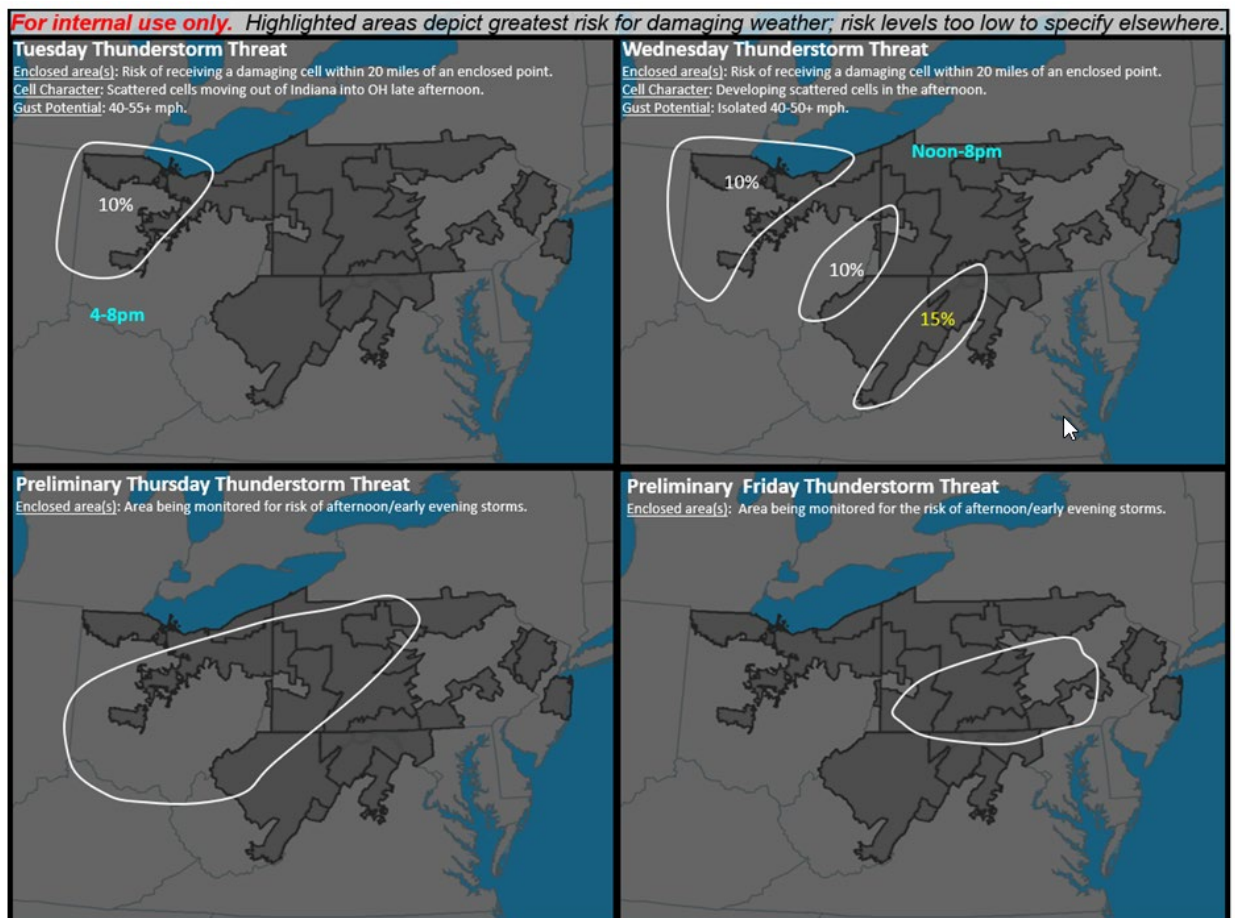
Low, but mentionable potential for isolated brief gusts today in the remnant spokes of the tropical system lingering in Pennsylvania. Also, same low risk for a batch of cells expected to move out of Indiana into western Ohio late tomorrow afternoon.



Tuesday, August 24, 2021 @ 1005

Changes

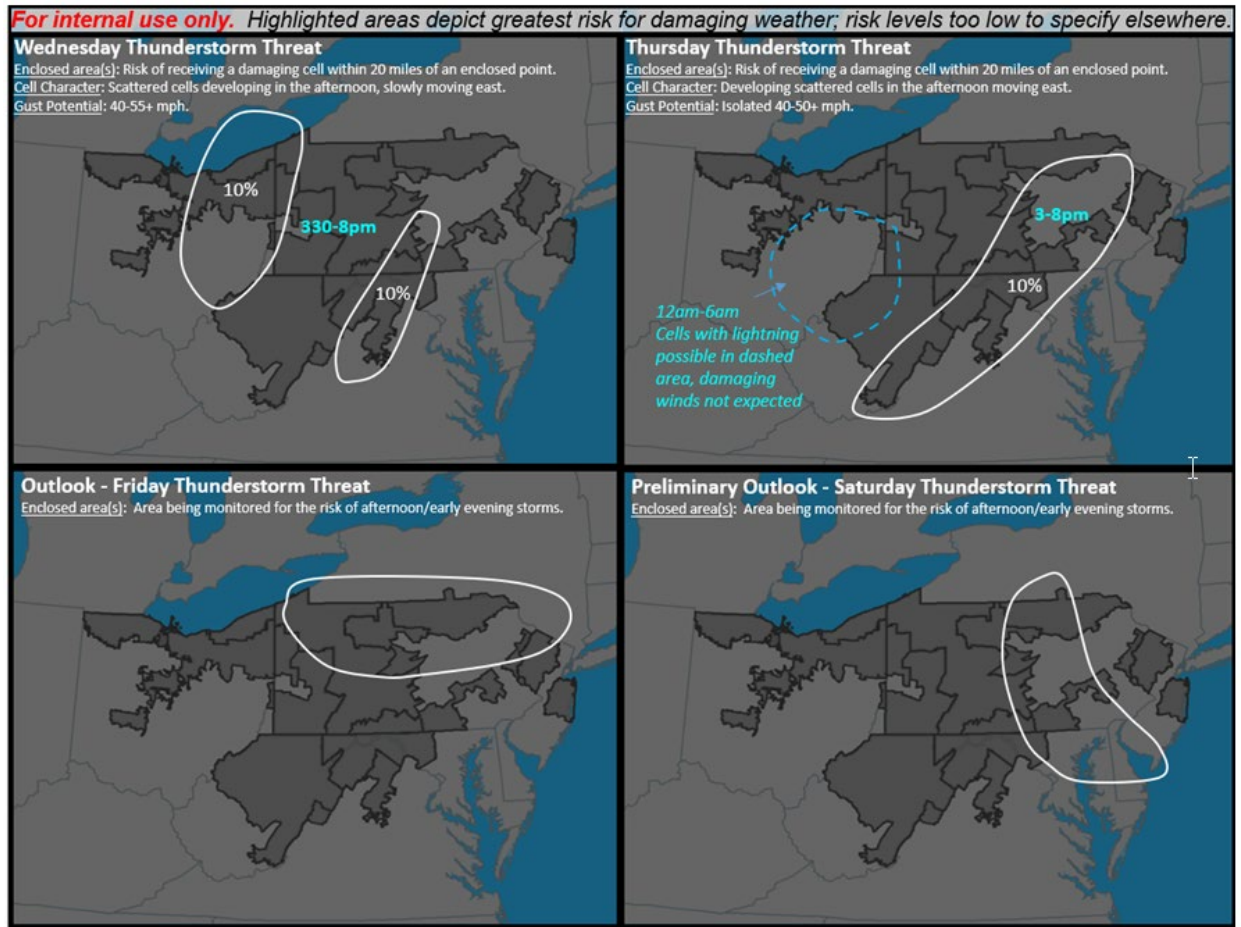
1. Today – expanded area of threat in western Ohio. Confidence is normal with this graphic.
2. Wednesday – added threat. Confidence is below normal with this graphic.
3. Thursday/Friday – added preliminary areas for typical afternoon/evening storm threat due to heating and a front. Risk values will not be provided until no earlier 48 hours ahead of time. Confidence is normal with this graphic.



Wednesday, August 25, 2021 @ 0956

Changes

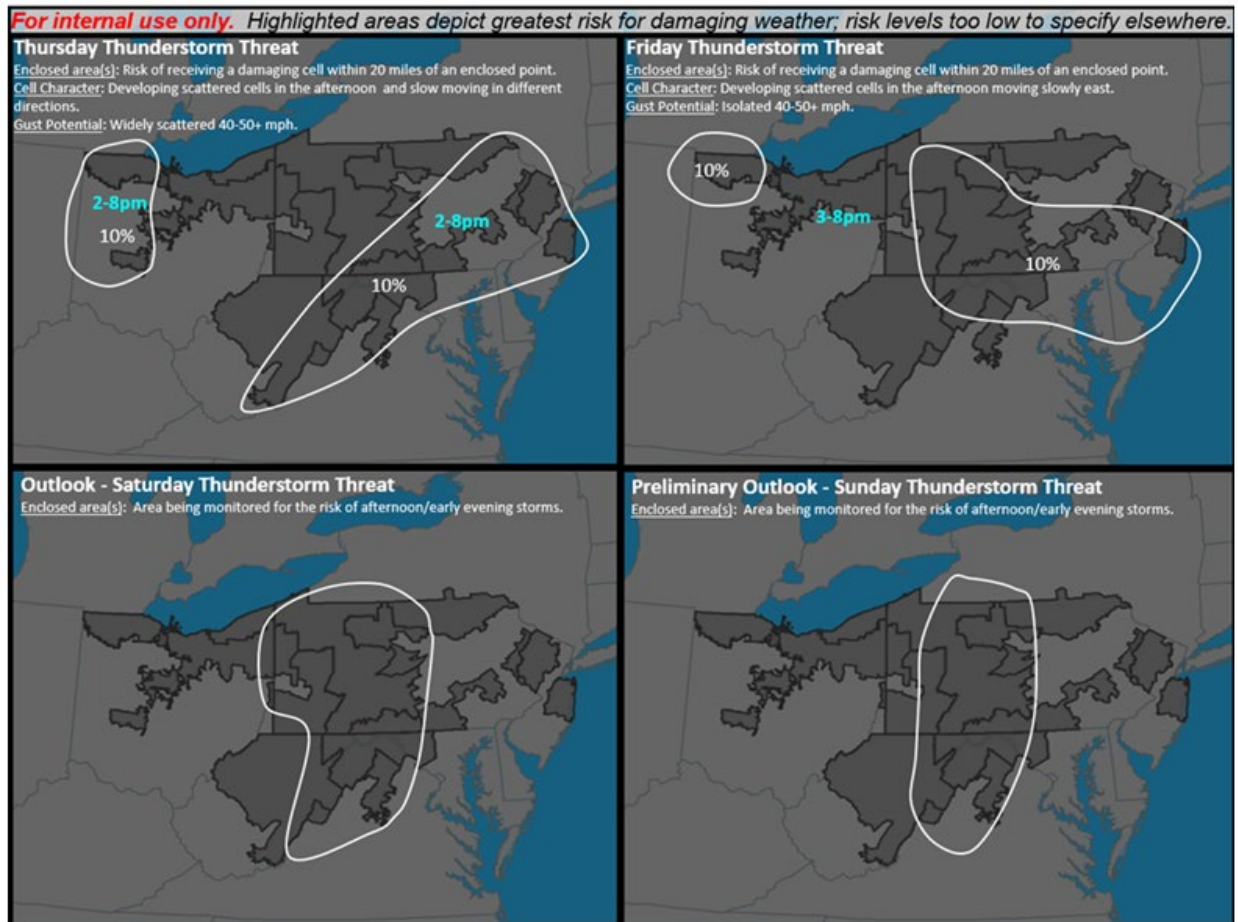
Modified threat areas all days and added outlook for Saturday. Confidence is below normal with all panels due to the lack of a trackable driver to produce/organize storms.



Thursday, August 26, 2021 @ 0930

Changes

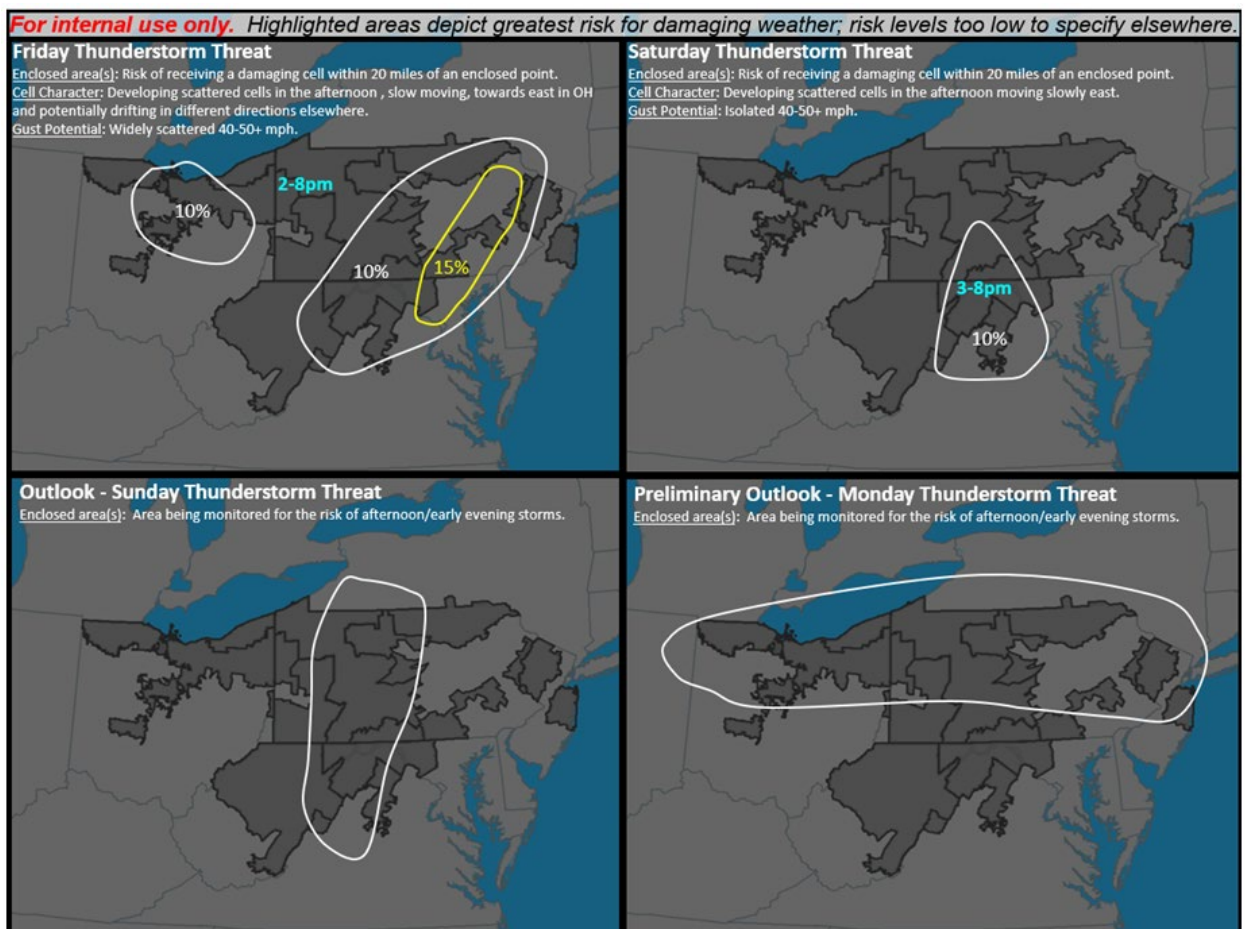
Modified threat areas all days and added outlook for Sunday. Confidence is still below normal with today and tomorrow due to the lack of a trackable driver to produce/organize storms. And confidence remains below normal for the weekend panels as we are still a bit too far away in time to see better details in the guidance for a boundary that looks to be setting up in central Pennsylvania to help focus storm development.



Friday, August 27, 2021 @ 0917

Changes

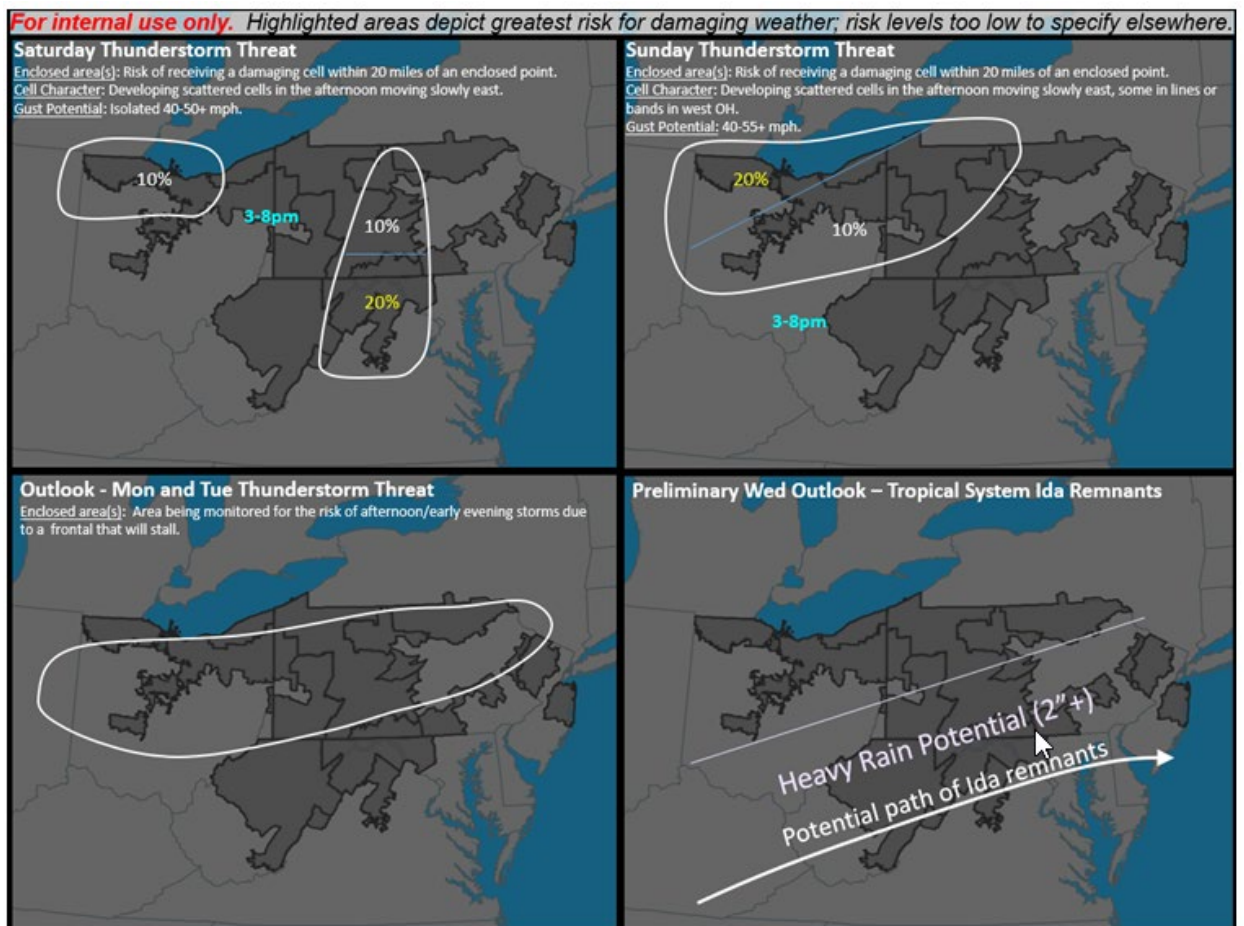
Modified threat areas all days and added outlook for Monday. Confidence is still below normal with today and tomorrow due to the lack of a trackable driver to produce/organize storms. And confidence remains below normal for Sunday and Monday panels as we are still a bit too far away in time to see better details in the guidance. The activity on Monday however will be associated with a front which will potentially introduce more scattered and isolated activity that afternoon in the enclosed area. We continue to monitor potential rain impacts mid-week in FirstEnergy from the remnants of Ida.



Saturday, August 28, 2021 @ 0831

Changes

1. Today: Extended north the low risk in Pennsylvania. Increased risk in Maryland/West Virginia/Virginia. Added small risk in Ohio. Confidence is slightly below normal for this graphic.
2. Sunday: Shifted threat west. Confidence is below normal for this graphic.
3. Monday/Tuesday: Added outlook due to a stalling front. Confidence is normal for this graphic.
4. Introduced first look at potential impacts from Ida remnants. Confidence is below normal for this graphic as changes to the path will likewise shift the heavy rain threat area.



Sunday, August 29, 2021 @ 0913

Changes

1. Today: Increased risk in northwest Ohio and extended low risk area south and east. Confidence is slightly below normal for this graphic.
2. Monday: Shifted threat area south. Confidence is below normal for this graphic.
3. Tuesday: Shifted potential risk area slightly south. Confidence is normal for this graphic.
4. Wednesday: Added some detail regarding rainfall amounts and gusts. Confidence is normal for this graphic.

