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April 30, 2024

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 –
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 Penelec Rate District (“Penelec”) submits written notification of completed restoration efforts following storm conditions that began on April 14, 2024 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 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: FirstEnergy Pennsylvania Electric Company ("FE PA")
on behalf of Penelec Rate District ("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: (814) 449-9308
(Telephone Number)

4. Date and time report was made to Commission:

April 14, 2024 2142
(Date) *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 20,326 (Represents 3.5% 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
Blair	721	14	22
Bradford	43	4	7
Cambria	1,691	35	22
Centre	1,543	10	0
Clarion	301	1	1
Clearfield	4,356	41	46
Crawford	2	2	5
Cumberland	41	6	3
Erie	1,259	7	33
Forest	150	1	0
Huntingdon	1,411	24	24
Indiana	3,711	40	21
Jefferson	76	13	7
Juniata	82	5	3
McKean	2,412	47	18
Mifflin	901	17	31
Perry	563	9	3
Somerset	41	7	6
Susquehanna	6	3	3
Tioga	1	1	4
Venango	560	8	9
Warren	343	2	3
Wayne	97	1	1
Wyoming	15	2	3
Total	20,326	300	275

- (d) Approximate number of outage cases exceeding 6 or more hours in duration: 128

- (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 morning hours of Sunday, April 14, 2024, a number of storm systems moved through Pennsylvania including the Penelec service territory. The system produced heavy precipitation and high winds, with wind gusts up to 58 miles per hour in some areas. Windy conditions continued on Monday April 15, 2024, with wind gusts up to 48 miles per hour in some areas. See Attachment B for the maximum wind gusts for April 14 and April 15, 2024, and the 24-hour total precipitation for April 14 and April 15, 2024.

Damage as a result of the high winds included downed trees and wires, damaged or broken poles and crossarms, and damaged transformers, arresters, and cutouts. High winds affected restoration efforts as crews cannot safely handle materials if winds exceed 30 mph or operate bucket trucks if winds exceed 40 mph. Approximately 42% of the total outages that occurred were tree related with Altoona, Philipsburg, and Johnstown being the hardest hit areas. Some SCADA devices also lost communication with the DMS network during the storm, necessitating the manual operation of some of the devices to isolate and restore outages.

Preliminary data indicates the reliability impact of the storm was 6.7 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 194.7 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 2200 on Monday, April 15, 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
Penelec	34	Line Workers
Subtotal	34	Line Workers
J.W. Didado	31	Line Contractor
Thompson Electric	8	Line Contractor
Main Lite Electric	14	Line Contractor
Subtotal	53	Line Contractor
Pennline Tree Service	50	Forestry Contractor
Davey Tree Expert	12	Forestry Contractor
Subtotal	62	Forestry Contractor
Penelec	4	Hazard Responders
Subtotal	4	Hazard Responders
Penelec	3	Supporting Roles
Subtotal	3	Supporting Roles
Grand Total	156	

- (i) The date and time of the first information of a service interruption: April 14, 2024 at 0924.
- (j) The date and time that repair crews were assembled: April 14, 2024 at 0600.

(k) The actual time that service was restored to the last affected customer: April 16, 2024 at 0305.

(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	146
Secondary Spans Replaced	60
Crossarms Replaced	39
Cutouts Replaced	64
Poles Replaced	25
Transformers Replaced	15
Wire & Cable Replaced (feet)	3,408

(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
1030599	Clearfield	6	1,938	04/14/2024 1847	04/16/2024 0305
1030319	McKean	1	1,886	04/14/2024 0946	04/15/2024 1712
1028261	McKean	1	1,769	04/14/2024 0946	04/15/2024 1515
1027857	Clearfield	1	1,660	04/14/2024 1536	04/15/2024 1916
1028292	McKean	1	1,634	04/14/2024 0946	04/15/2024 1300
1029447	McKean	4	1,554	04/14/2024 0946	04/15/2024 1140
1028924	McKean	1	1,474	04/14/2024 0946	04/15/2024 1020
1027429	Cambria	64	1,460	04/14/2024 1910	04/15/2024 1930
1030484	Mifflin	1	1,404	04/14/2024 1956	04/15/2024 1920
1027621	Blair	3	1,381	04/14/2024 1931	04/15/2024 1832
1028533	McKean	13	1,364	04/14/2024 0946	04/15/2024 0830
1029173	Blair	2	1,364	04/14/2024 2006	04/15/2024 1850
1028773	Indiana	1	1,348	04/14/2024 1902	04/15/2024 1730
1027333	Huntingdon	1	1,335	04/14/2024 1900	04/15/2024 1715
1028739	Huntingdon	2	1,321	04/14/2024 2019	04/15/2024 1820
1027868	Clearfield	6	1,310	04/14/2024 1855	04/15/2024 1645
1027820	Huntingdon	4	1,304	04/14/2024 2006	04/15/2024 1750
1027564	Clearfield	3	1,296	04/14/2024 1922	04/15/2024 1658
1028726	Cambria	28	1,295	04/14/2024 1905	04/15/2024 1640
1029807	Cambria	1	1,295	04/14/2024 1905	04/15/2024 1640
1029807	Cambria	3	1,295	04/14/2024 1905	04/15/2024 1640
1027732	Huntingdon	15	1,272	04/14/2024 1950	04/15/2024 1702
1030090	Huntingdon	4	1,251	04/14/2024 1959	04/15/2024 1650
1027760	Mifflin	3	1,247	04/14/2024 1956	04/15/2024 1643
1027536	Clearfield	24	1,242	04/14/2024 1918	04/15/2024 1600
1026558	Cambria	4	1,232	04/14/2024 1245	04/15/2024 0917
1029807	Cambria	84	1,212	04/14/2024 1905	04/15/2024 1517
1029431	Cambria	89	1,201	04/14/2024 1905	04/15/2024 1506
1027561	Blair	3	1,134	04/14/2024 1921	04/15/2024 1415
1027683	Blair	11	1,120	04/14/2024 1940	04/15/2024 1420
1028503	Mifflin	6	1,089	04/14/2024 2146	04/15/2024 1555
1028742	Jefferson	1	1,074	04/14/2024 1946	04/15/2024 1340

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 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
1028741	Jefferson	4	1,074	04/14/2024 1946	04/15/2024 1340
1029987	Clearfield	1	1,064	04/14/2024 1924	04/15/2024 1308
1029133	Clearfield	5	1,042	04/14/2024 1920	04/15/2024 1242
1027582	Centre	4	1,039	04/14/2024 1924	04/15/2024 1243
1028724	Indiana	21	1,028	04/14/2024 1910	04/15/2024 1218
1027943	Cumberland	9	1,024	04/14/2024 2029	04/15/2024 1333
1027951	Cumberland	8	1,023	04/14/2024 2030	04/15/2024 1333
1027583	Centre	11	1,020	04/14/2024 1925	04/15/2024 1225
1028264	Blair	48	998	04/14/2024 1917	04/15/2024 1155
1028828	Clearfield	9	992	04/14/2024 2340	04/15/2024 1612
1028872	Jefferson	1	989	04/14/2024 1916	04/15/2024 1145
1028772	Cambria	1	989	04/14/2024 2314	04/15/2024 1543
1029441	Cambria	38	980	04/14/2024 1930	04/15/2024 1150
1027319	Indiana	81	971	04/14/2024 1858	04/15/2024 1109
1029987	Clearfield	1	951	04/14/2024 2117	04/15/2024 1308
1027305	Indiana	31	948	04/14/2024 1852	04/15/2024 1040
1029637	Mifflin	1	938	04/15/2024 1019	04/16/2024 0157
1029108	Juniata	56	936	04/14/2024 2014	04/15/2024 1150
1027305	Indiana	3	889	04/14/2024 1852	04/15/2024 0941
1028791	Blair	44	877	04/14/2024 1943	04/15/2024 1020
1028841	Indiana	2	868	04/14/2024 2302	04/15/2024 1330
1028532	McKean	3	858	04/14/2024 0946	04/15/2024 0004
1029011	Perry	7	843	04/14/2024 2114	04/15/2024 1117
1029011	Perry	3	843	04/14/2024 2114	04/15/2024 1117
1028737	Huntingdon	2	837	04/14/2024 1953	04/15/2024 0950
1028378	Venango	40	830	04/14/2024 1743	04/15/2024 0733
1027314	Clearfield	66	812	04/14/2024 1856	04/15/2024 0828
1027607	Cambria	87	788	04/14/2024 1930	04/15/2024 0838
1028900	Cambria	9	779	04/14/2024 2111	04/15/2024 1010
1027328	Indiana	1	698	04/14/2024 1853	04/15/2024 0631
1029222	Clearfield	6	689	04/15/2024 0631	04/15/2024 1800
1028883	Huntingdon	1	675	04/15/2024 0025	04/15/2024 1140
1026262	McKean	16	672	04/14/2024 0933	04/14/2024 2045
1026994	Jefferson	1	671	04/14/2024 1609	04/15/2024 0320
1030168	Cumberland	2	663	04/15/2024 1404	04/16/2024 0107
1027128	Indiana	5	661	04/14/2024 1717	04/15/2024 0418
1028656	Indiana	16	657	04/14/2024 2209	04/15/2024 0906
1026309	McKean	1	646	04/14/2024 0946	04/14/2024 2032

Penelec 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
1027628	McKean	39	638	04/14/2024 0932	04/14/2024 2010
1027779	Mifflin	5	637	04/14/2024 2000	04/15/2024 0637
1027328	Indiana	1	631	04/14/2024 2000	04/15/2024 0631
1026309	McKean	4	624	04/14/2024 0946	04/14/2024 2010
1026309	McKean	7	623	04/14/2024 0946	04/14/2024 2009
1027313	Clearfield	289	619	04/14/2024 1905	04/15/2024 0524
1027319	Indiana	92	619	04/15/2024 0050	04/15/2024 1109
1026510	McKean	86	609	04/14/2024 0932	04/14/2024 1941
1029426	Clearfield	7	606	04/14/2024 2243	04/15/2024 0849
1026510	McKean	14	603	04/14/2024 0932	04/14/2024 1935
1026309	McKean	3	587	04/14/2024 0946	04/14/2024 1933
1026309	McKean	3	580	04/14/2024 0946	04/14/2024 1926
1026309	McKean	1	574	04/14/2024 0946	04/14/2024 1920
1028737	Huntingdon	2	555	04/15/2024 0035	04/15/2024 0950
1028547	Blair	2	554	04/14/2024 2151	04/15/2024 0705
1026364	McKean	2	535	04/14/2024 1005	04/14/2024 1900
1027773	Mifflin	2	529	04/14/2024 1959	04/15/2024 0448
1027165	Wayne	97	529	04/14/2024 1736	04/15/2024 0225
1026364	McKean	3	523	04/14/2024 1005	04/14/2024 1848
1029166	Cumberland	1	523	04/15/2024 0603	04/15/2024 1446
1026293	McKean	1	518	04/14/2024 0942	04/14/2024 1820
1028656	Indiana	3	498	04/14/2024 2209	04/15/2024 0627
1029501	Indiana	2	498	04/14/2024 2209	04/15/2024 0627
1027872	Juniata	23	492	04/14/2024 2014	04/15/2024 0426
1029011	Perry	15	486	04/14/2024 2114	04/15/2024 0520
1028111	Somerset	1	470	04/14/2024 2055	04/15/2024 0445
1027345	Jefferson	1	468	04/14/2024 1902	04/15/2024 0250
1027283	McKean	13	465	04/14/2024 1235	04/14/2024 2020
1029576	Mifflin	1	465	04/15/2024 0950	04/15/2024 1735
1028954	Clearfield	152	452	04/15/2024 0136	04/15/2024 0908
1028955	Clearfield	101	452	04/15/2024 0136	04/15/2024 0908
1030581	Huntingdon	1	447	04/15/2024 1803	04/16/2024 0130
1029058	Somerset	14	444	04/15/2024 0323	04/15/2024 1047
1026405	McKean	21	437	04/14/2024 0953	04/14/2024 1710
1026309	McKean	1	434	04/14/2024 0946	04/14/2024 1700
1026309	McKean	4	429	04/14/2024 0946	04/14/2024 1655
1026262	McKean	12	429	04/14/2024 1336	04/14/2024 2045
1029035	Venango	2	423	04/14/2024 2158	04/15/2024 0501

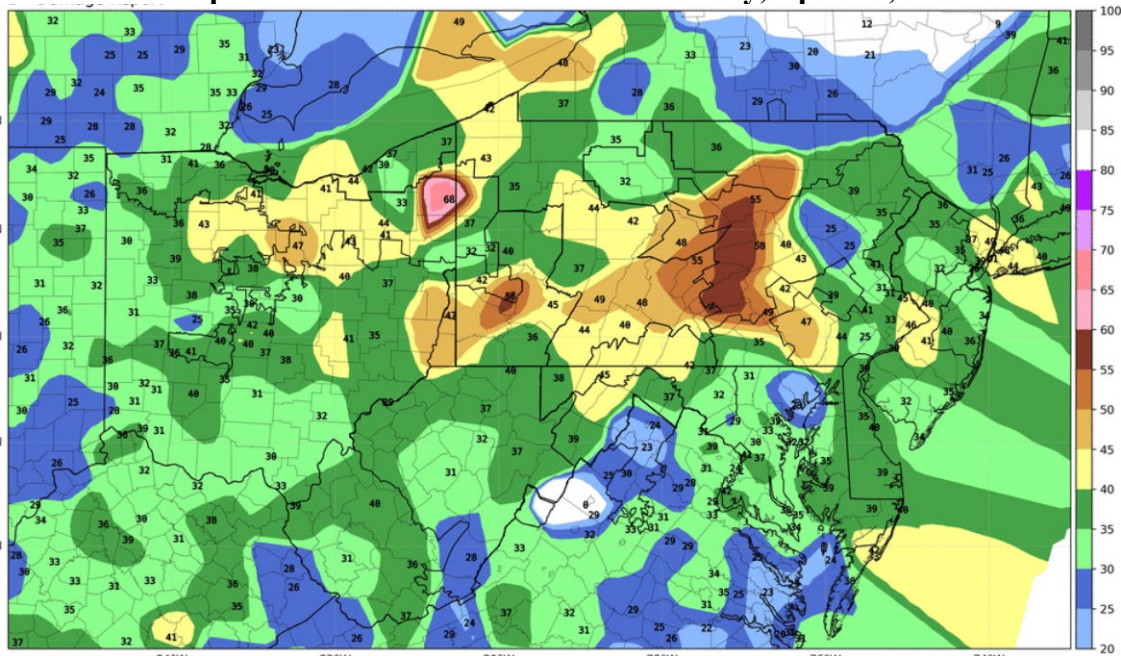
Penelec Rate District Storm Report

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
1026309	McKean	1	422	04/14/2024 0946	04/14/2024 1648
1026235	McKean	96	420	04/14/2024 0927	04/14/2024 1627
1029260	McKean	1	419	04/15/2024 0716	04/15/2024 1415
1029323	Blair	13	405	04/15/2024 0755	04/15/2024 1440
1029011	Perry	308	403	04/14/2024 2114	04/15/2024 0357
1028910	Somerset	5	400	04/15/2024 0055	04/15/2024 0735
1030217	Cambria	1	394	04/15/2024 1033	04/15/2024 1707
1029129	Juniata	1	394	04/15/2024 0519	04/15/2024 1153
1026436	McKean	1	388	04/14/2024 1102	04/14/2024 1730
1027964	Huntingdon	1	387	04/14/2024 2032	04/15/2024 0259
1026309	McKean	2	384	04/14/2024 0946	04/14/2024 1610
1028145	Clearfield	11	382	04/14/2024 2058	04/15/2024 0320
1027313	Clearfield	2	369	04/14/2024 1905	04/15/2024 0114
1026309	McKean	1	364	04/14/2024 0946	04/14/2024 1550
1029044	Huntingdon	2	362	04/14/2024 2110	04/15/2024 0312
1029044	Huntingdon	5	362	04/14/2024 2110	04/15/2024 0312
1026537	Crawford	1	361	04/14/2024 1229	04/14/2024 1830
1027434	Clearfield	475	360	04/14/2024 1905	04/15/2024 0105
1027922	Perry	30	360	04/14/2024 2024	04/15/2024 0224
1027313	Clearfield	570	360	04/14/2024 1905	04/15/2024 0105

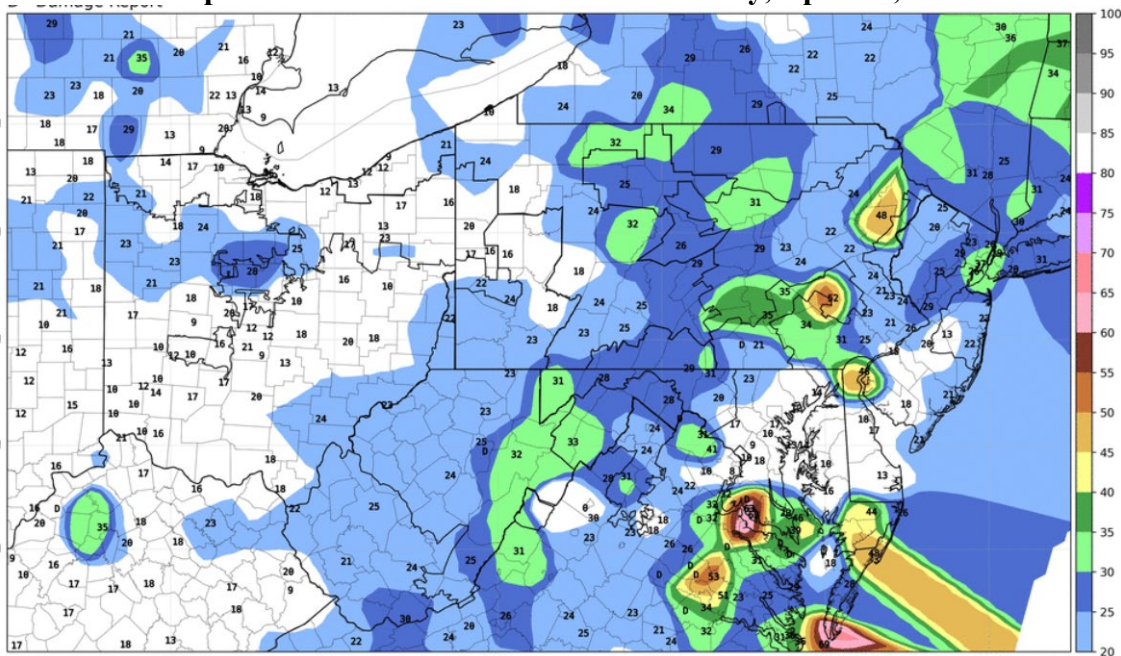
Attachment B: Wind & Precipitation Reports

Wind & Precipitation Reports: Graphics 1 and 2 show the maximum wind gusts in the Penelec service territory on April 14 and April 15, 2024. Graphic 3 and 4 illustrates the 24-Hour Total Precipitation in the Penelec service territory on April 14 and April 15, 2024. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

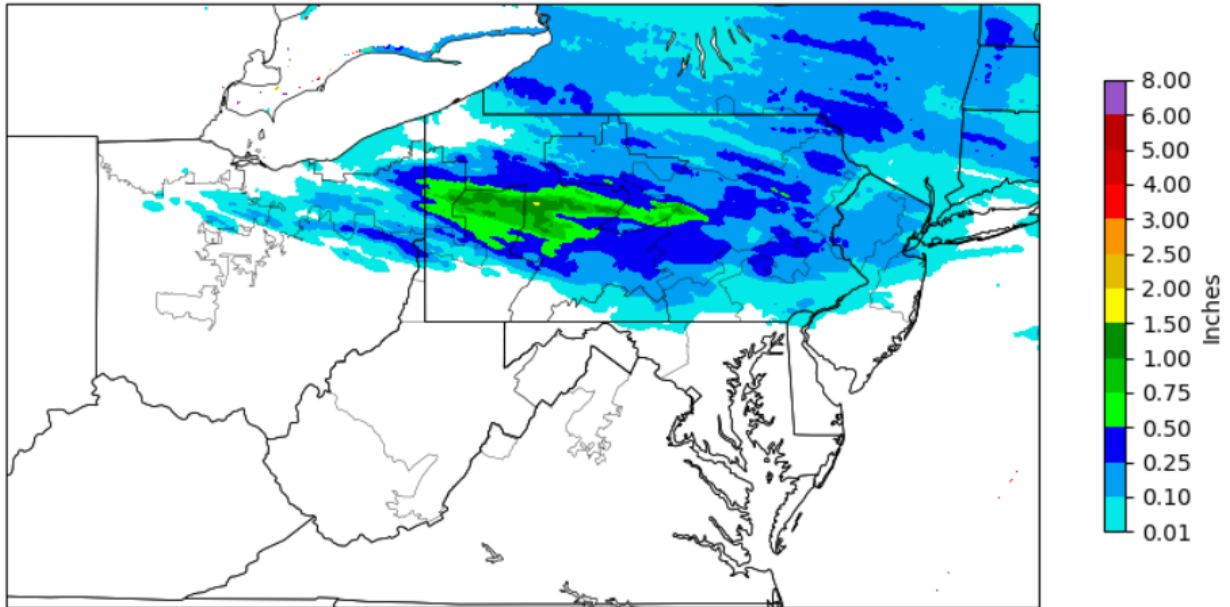
Graphic 1: Maximum Wind Gusts – Sunday, April 14, 2024



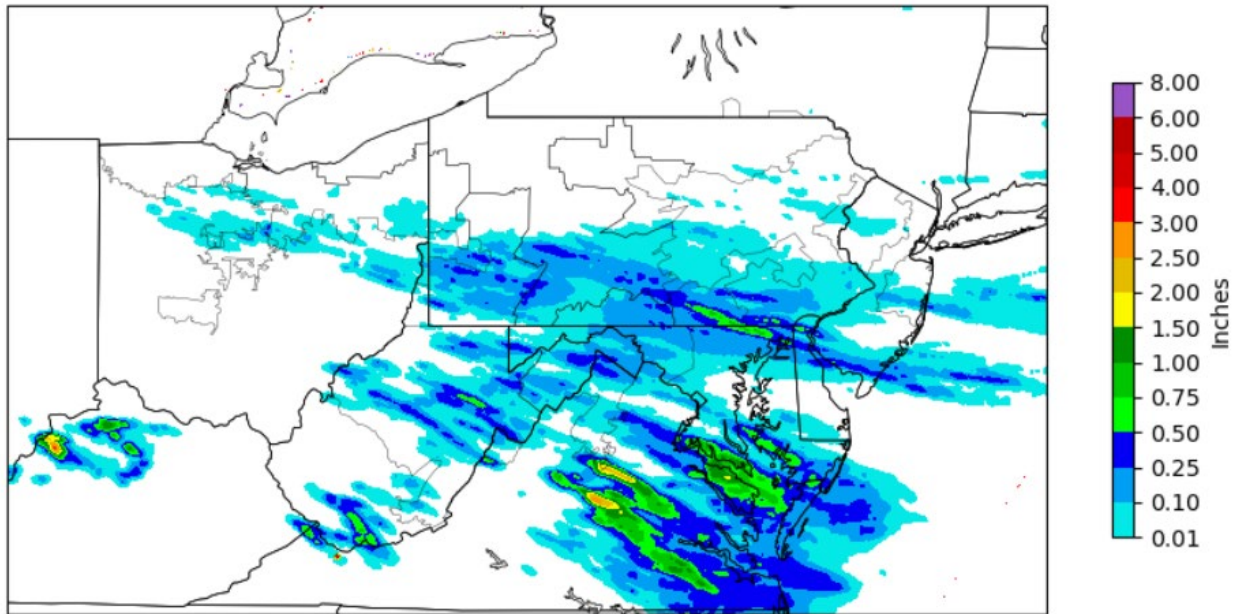
Graphic 2: Maximum Wind Gusts – Monday, April 15, 2024



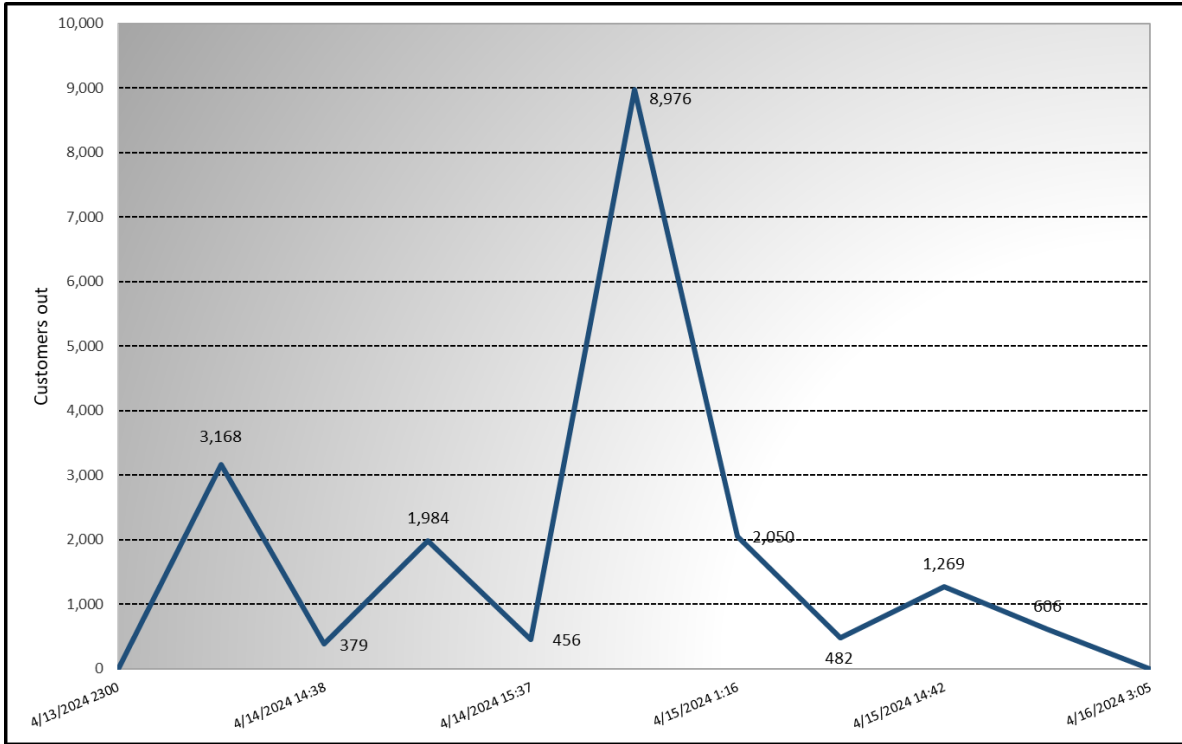
Graphic 3: 24-Hour Total Precipitation – Sunday, April 14, 2024



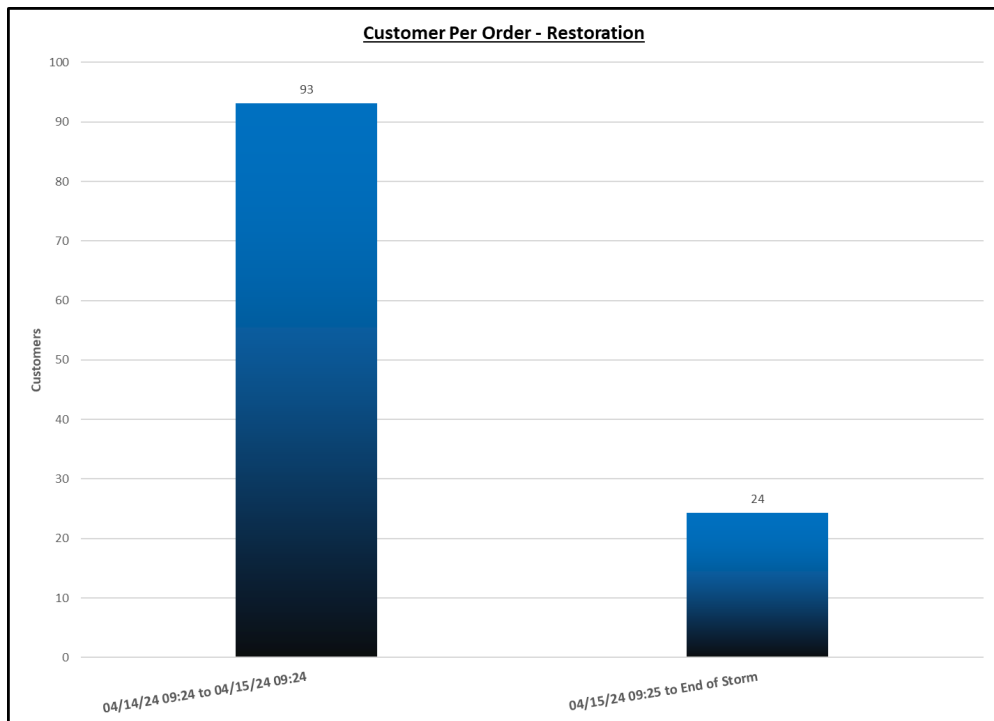
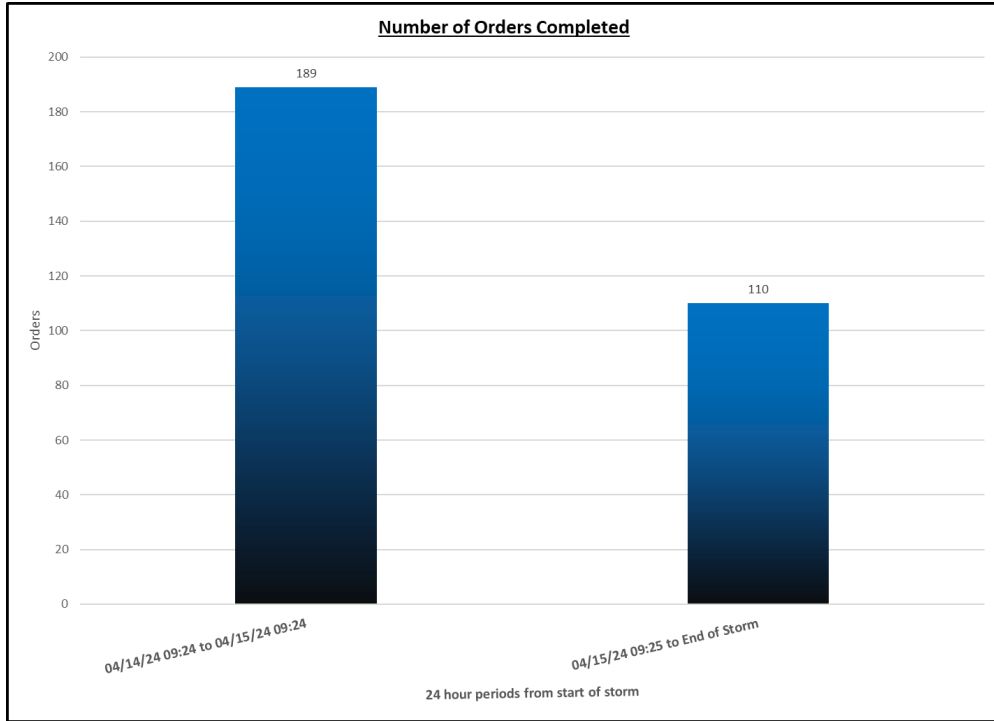
Graphic 3: 24-Hour Total Precipitation – Monday, April 15, 2024



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



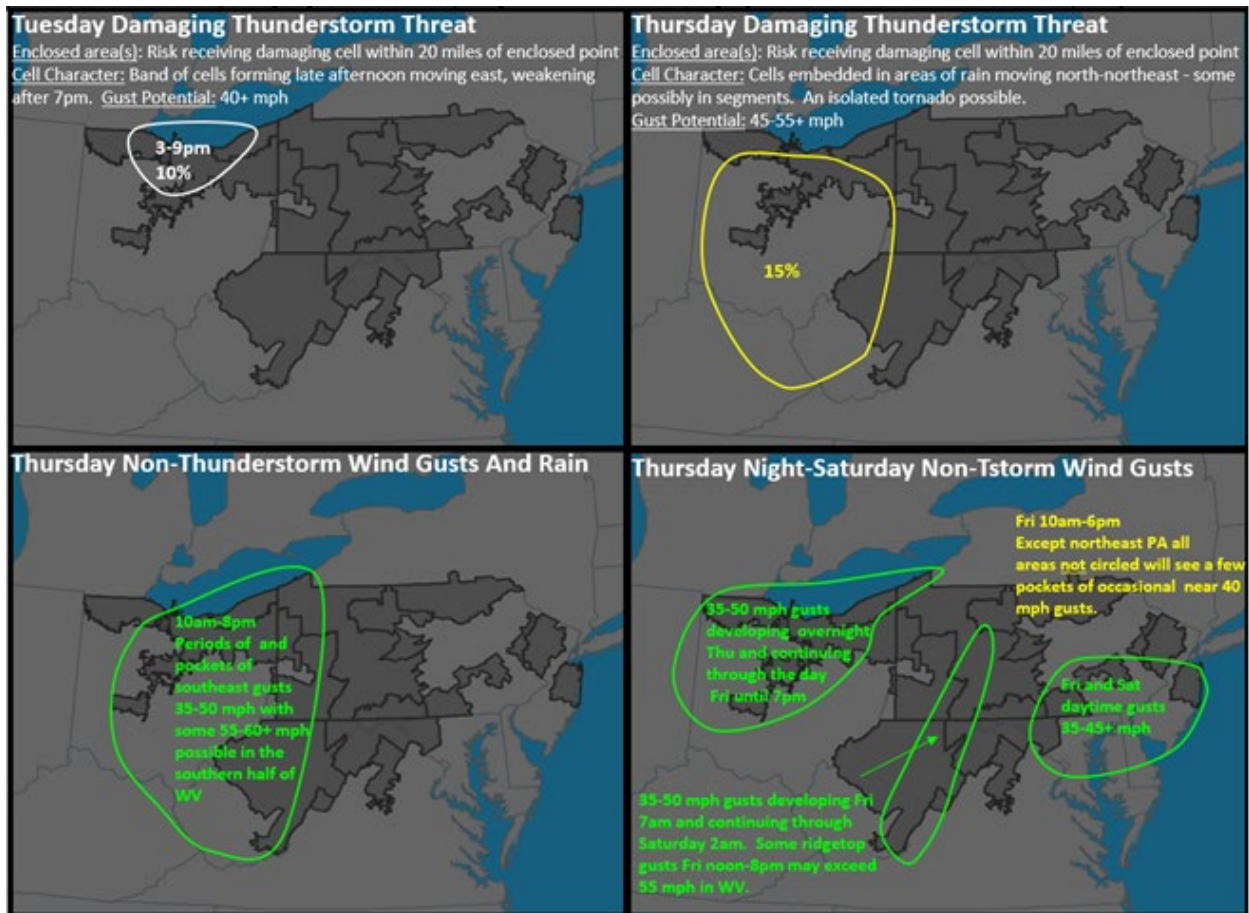
Attachment E: Meteorologist Reports

Tuesday, April 9, 2024 @ 1031

New Issuance:

- After a small threat of thunder in OH today a wind/rain event spreads into FE Thu and lingers through Sat. Confidence is normal for the upper left panel and below normal for the remaining panels which we will fine tune in tomorrow's alert.

See graphics below for further information:

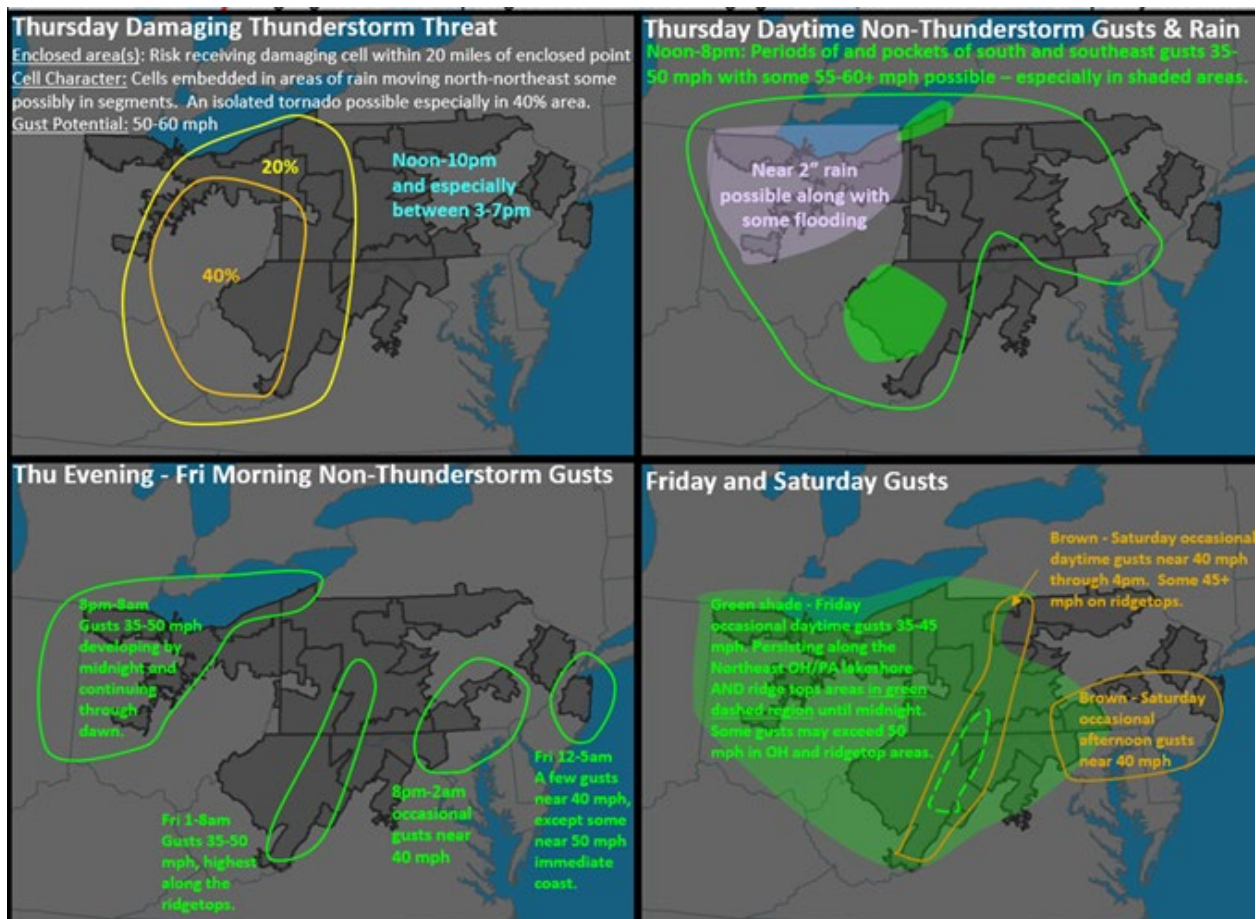


Wednesday, April 10, 2024 @ 1003

Changes:

1. **Thu:** Thunderstorm threat - increased area, increased risk, fine-tuned timing. Non-Thunderstorm gusts – expanded area, fine-tuned timing, and added details for max gusts. Rain – added area expected to receive 1-2” rain. Confidence is normal for the top row of panels.
2. **Thu Evening- Fri Morning.** Split this time window out to detail occurrence of non-thunderstorm risk areas for gusts near or over 40 mph. Confidence is normal for this graphic.
3. **Fri and Sat Gusts.** Detailed gusts for each day using different colors. Confidence is slightly below normal for this panel.

See graphics below for further information:

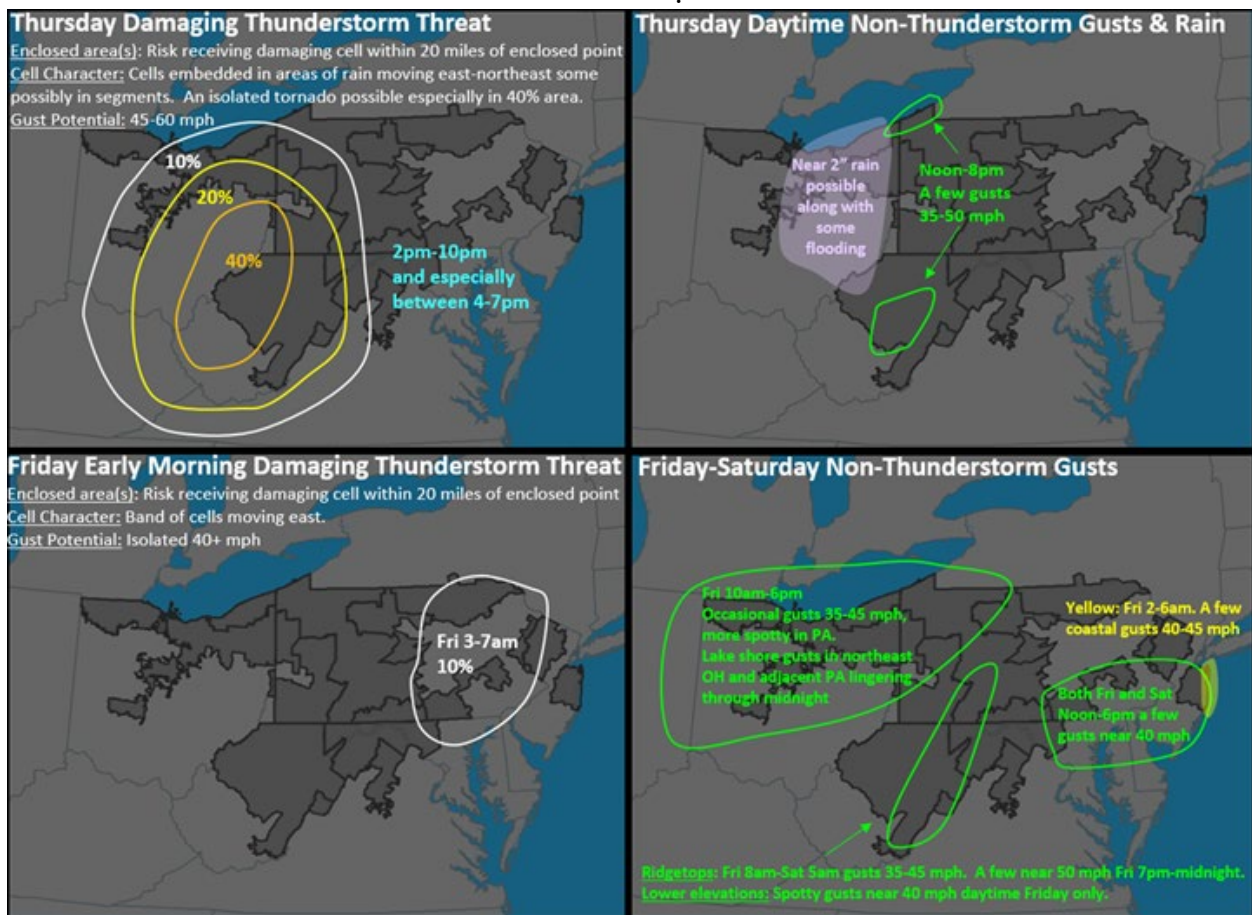


Thursday, April 11, 2024 @ 0847

Changes:

1. **Today:** Thunderstorm threat – reduced max risk area, fine-tuned timing. Non-Thunderstorm gusts – eliminated most of the threat (including the overnight area) except lake shore PA and WV . Confidence is slightly below normal for the top row of panels.
2. **Fri Thunderstorm Threat:** Added a new early morning but nuisance risk in east PA and very west NJ. Confidence is slightly below normal for this panel.
3. **Fri and Sat Non-Thunderstorm Gusts.** Adjusted areas and timing for each day. Confidence is slightly below normal for this panel.

See graphics below for further information:

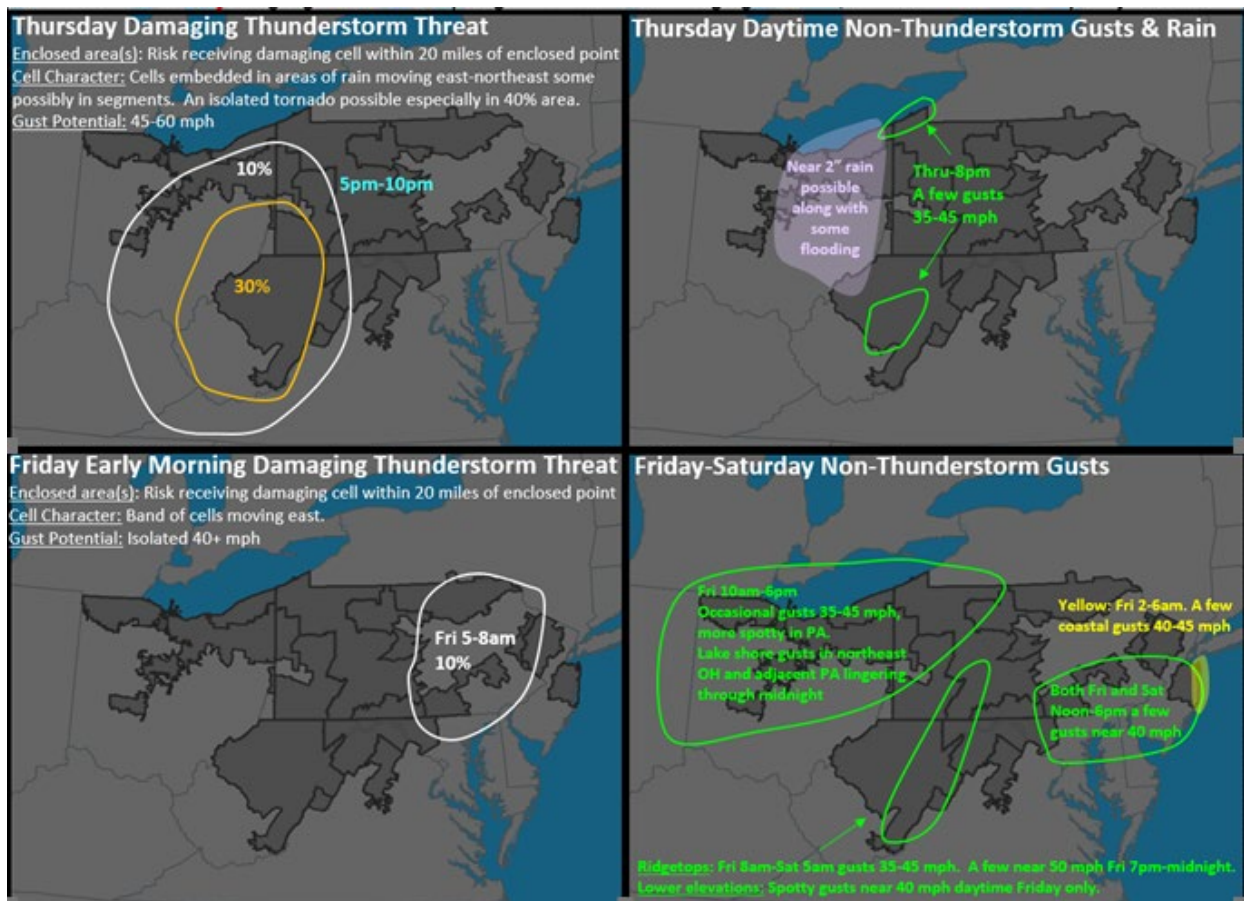


Thursday, April 11, 2024 @ 1503

Changes:

1. **Today:** Thunderstorm threat - reduced risk areas max risk magnitude, delayed start time. Non-Thunderstorm gusts - reduced max gust potential. Confidence is slightly below normal for the top row of panels.
2. **Fri Morning Thunderstorm Threat:** Delayed time window. Confidence is slightly below normal for this panel.

See graphics below for further information:

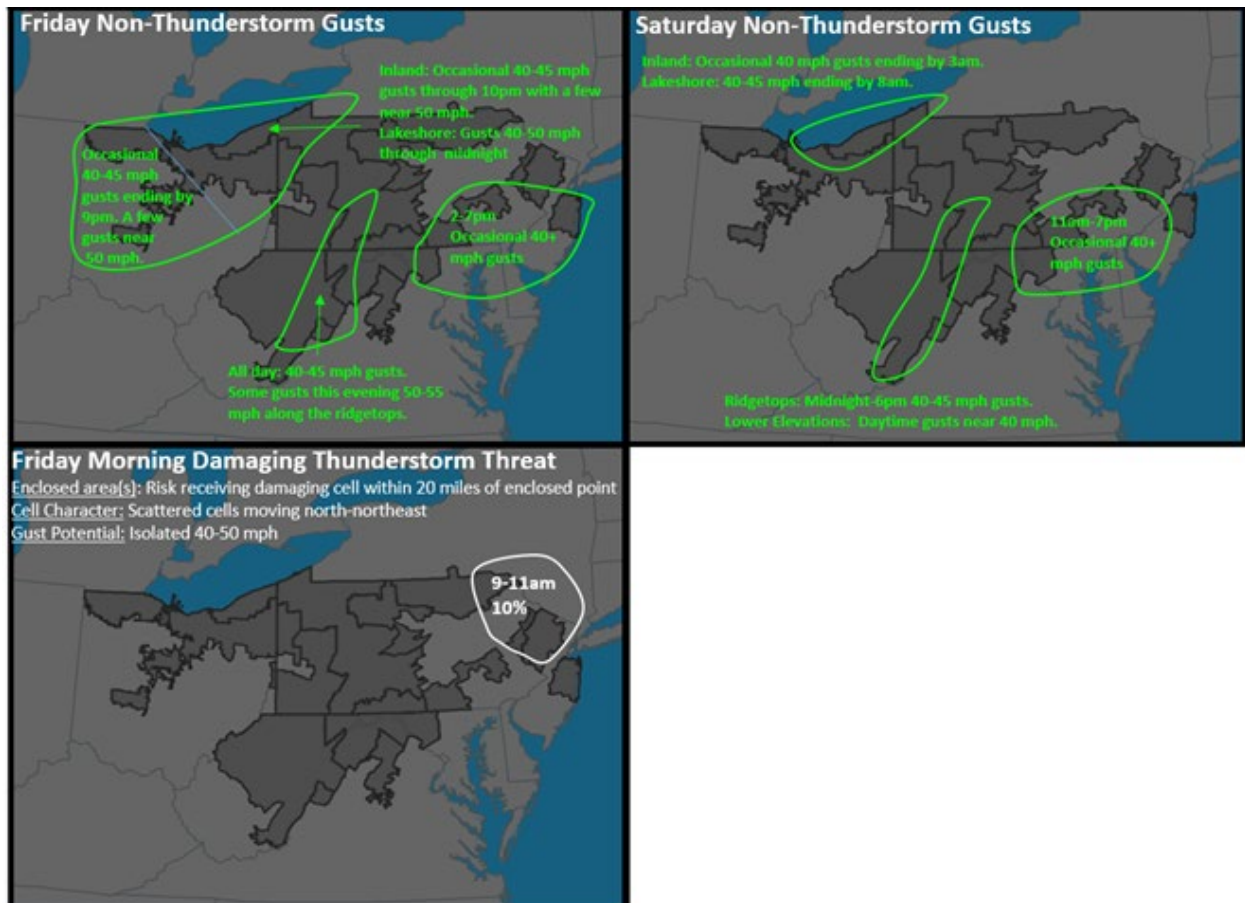


Friday, April 12, 2024 @ 0911

Changes:

1. **Today:** Persisted damaging thunderstorm threat in northeast PA and north NJ through 11am (a few cells have already produced 40-50 mph gusts as they have passed by). Added details by area of timing and magnitude for non-thunderstorm gusts. Confidence is normal in both panels.
2. **Saturday:** Added detail of timing by area. Confidence is normal with this panel.

See graphics below for further information:

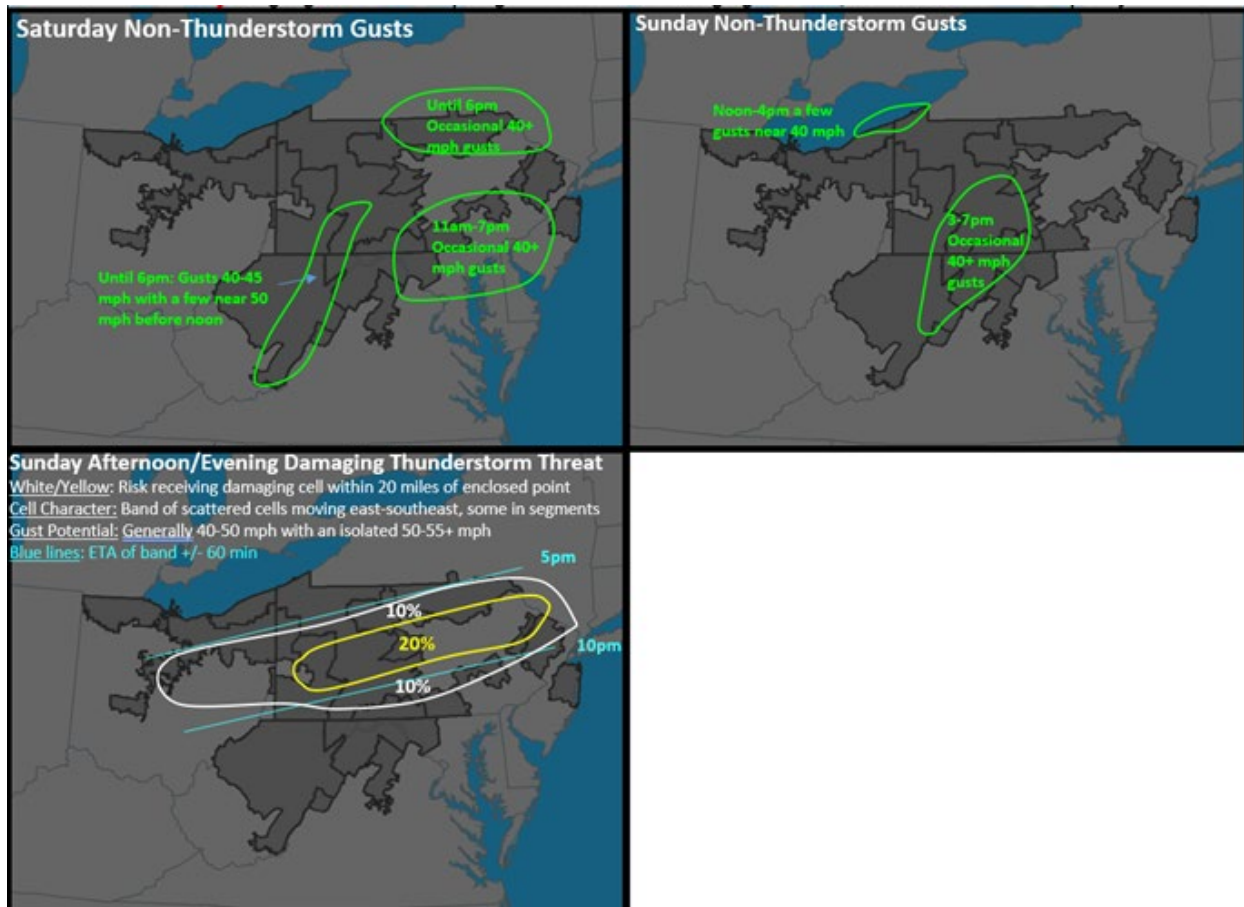


Saturday, April 13, 2024 @ 0902

Changes:

1. **Today:** Added lingering area of gusts in northeast PA, fine-tuned details elsewhere. Confidence is normal with this panel.
2. **Sunday:** Added two threat types
 - a. Damaging thunderstorm threat: A frontal passage that previously looked like it would do so quietly will actually spawn late afternoon and evening cells. Confidence is normal with this panel (bottom left).
 - b. Non-Thunderstorm gusts threat: The same frontal passage will incite a few gusts along the lake shore as it passes in the early afternoon and then also in south-central PA, east WV, and west MD. Confidence is slightly below normal with this panel.

See graphics below for further information:



Sunday, April 14, 2024 @ 0846

Changes:

1. Damaging thunderstorm threat: Shifted main emphasis of threat into west central PA and fine-tuned timing. Confidence is normal with this panel.
2. Nuisance non-thunderstorm gust threat: Expanded threat to east MD and southeast PA. Confidence is normal with this panel.

See graphics below for further information:

