FirstEnergy

2800 Pottsville Pike
PO Box 16001
Reading, PA 19612-6001

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

April 8, 2021

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 – West Penn Power Company; Docket No. M-2021-3023564

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, West Penn Power Company ("West Penn") submits written notification of completed restoration efforts following storm conditions that began on March 26, 2021 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) 921-6658.

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: West Penn Power Company ("West Penn")
Address: 800 Cabin Hill Drive
Greensburg, PA 15601

2. Name and title of person making report:

Scott Wyman — *(Name)*

President, Pennsylvania Operations — *(Title)*

3. Telephone number: (724) 838-6150
(Telephone Number)

4. Date and time report was made to Commission:

March 26, 2021 — *(Date)*

1340 — *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 25,997 (Represents 3.6% 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	1,276	3	2
Allegheny	1,895	45	77
Armstrong	757	36	49
Bedford	8	2	3
Butler	1688	34	61
Cameron	129	7	7
Centre	4912	49	90
Clarion	1069	9	4
Clinton	775	5	4
Elk	291	16	33
Fayette	1737	21	32
Franklin	3132	7	10
Fulton	456	3	2
Greene	1119	20	16
Indiana	13	2	4
Lycoming	416	8	8
McKean	37	2	8
Washington	3237	68	123
Westmoreland	3,050	89	121
Total	**25,997**	**426**	**654**

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 168

(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 early morning hours of Friday, March 26, 2021, a cold front with high winds moved through Pennsylvania, including the West Penn service territory. This front formed a storm system which produced sustained high winds and periods of rain with maximum wind gusts up to 62 miles per hour in some areas. See Attachment B for maximum wind speeds measured on March 26, 2021.

Damage included downed trees and power lines, damaged and broken poles and crossarms. The hardest hit areas were Boyce, Butler Charleroi, Arnold, Jeannette and State College Regions; however the high winds impacted the entire service territory. Approximately 69% of the total outages that occurred were tree-related.

Preliminary data indicates the reliability impact of the storm was 7.4 minutes of SAIDI,

0.04 of SAIFI, and an overall storm CAIDI of 205.4 minutes.

(g) Projected time of restoration: It was estimated that the majority of customers would be restored by 1600 on March 27, 2021.

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	228	Line Workers
Subtotal	**228**	
C.W. Wright	6	Line Contractor
Poleset	6	Line Contractor
Thompson Electric	30	Line Contractor
Subtotal	**42**	
Asplundh Tree Experts	72	Forestry Contractor
Davey Tree Experts	21	Forestry Contractor
Jaflo	10	Forestry Contractor
Penn Line Service	67	Forestry Contractor
Townsend	12	Forestry Contractor
Subtotal	**182**	
West Penn Power	40	Hazard Responders/Damage Assessors
Subtotal	**40**	
West Penn Power	149	Supporting Roles
Subtotal	**149**	
Grand Total	**641**	

(i) The date and time of the first information of a service interruption: March 26, 2021 at 0530.

(j) The date and time that repair crews were assembled: March 26, 2021 at 0600.

(k) The actual time that service was restored to the last affected customer: March 27, 2021 at 1750. Additionally, West Penn was able to restore 85.6% of the impacted customers within twelve hours from when the storm started.

(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	297
Secondary Spans Replaced	20
Crossarms Replaced	91
Cutouts Replaced	82
Poles Replaced	32
Transformers Replaced	23
Wire & Cable Replaced (feet)	17,912

(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 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 is still in progress at the time of filing this report.

Attachment A: A listing of each outage case exceeding six or more hours in duration, including the following information[1]:

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
9881239-4	Centre	1	1,850	03/26/2021 1028	03/27/2021 1718
9881825-2	Washington	1	1,772	03/26/2021 1114	03/27/2021 1646
9881377-2	Westmoreland	1	1,722	03/26/2021 1048	03/27/2021 1530
9880416-2	Allegheny	2	1,685	03/26/2021 0905	03/27/2021 1310
9882677-2	Centre	1	1,643	03/26/2021 1139	03/27/2021 1502
9883550-2	Centre	2	1,639	03/26/2021 1011	03/27/2021 1330
9881484-2	Cameron	6	1,629	03/26/2021 1038	03/27/2021 1347
9881936-2	Allegheny	1	1,623	03/26/2021 1207	03/27/2021 1510
9881011-2	Washington	1	1,605	03/26/2021 1023	03/27/2021 1308
9882226-2	Elk	2	1,598	03/26/2021 1220	03/27/2021 1458
9880316-2	Washington	9	1,596	03/26/2021 0851	03/27/2021 1127
9880696-2	Washington	14	1,587	03/26/2021 0903	03/27/2021 1130
9880565-2	Allegheny	1	1,573	03/26/2021 0917	03/27/2021 1130
9880219-2	Allegheny	9	1,556	03/26/2021 0832	03/27/2021 1028
9881205-2	Butler	1	1,555	03/26/2021 1028	03/27/2021 1223
9880933-2	Washington	1	1,540	03/26/2021 1000	03/27/2021 1140
9882418-2	Allegheny	9	1,522	03/26/2021 1203	03/27/2021 1325
9881842-2	Centre	6	1,519	03/26/2021 1000	03/27/2021 1119
9881312-2	Armstrong	7	1,512	03/26/2021 1043	03/27/2021 1155
9881000-2	Allegheny	1	1,507	03/26/2021 1008	03/27/2021 1115
9881095-1	Washington	4	1,500	03/26/2021 0800	03/27/2021 0900
9880631-2	Westmoreland	4	1,499	03/26/2021 0921	03/27/2021 1020
9883667-1	Armstrong	1	1,491	03/26/2021 1040	03/27/2021 1131
9880210-2	Washington	3	1,490	03/26/2021 0833	03/27/2021 0923
9881111-2	Armstrong	1	1,468	03/26/2021 1019	03/27/2021 1047
9880382-2	Butler	2	1,468	03/26/2021 0900	03/27/2021 0928
9882675-2	Indiana	1	1,462	03/26/2021 1353	03/27/2021 1415
9880027-2	Westmoreland	2	1,454	03/26/2021 0756	03/27/2021 0810
9883245-2	Allegheny	1	1,446	03/26/2021 1547	03/27/2021 1553
9881180-2	Butler	5	1,436	03/26/2021 1021	03/27/2021 1017
9883352-2	Washington	10	1,420	03/26/2021 0952	03/27/2021 0932
9883272-2	Centre	4	1,419	03/26/2021 1149	03/27/2021 1128

[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.

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
9883644-2	Washington	8	1,419	03/26/2021 1151	03/27/2021 1130
9882472-2	Armstrong	2	1,418	03/26/2021 1332	03/27/2021 1310
9881137-1	Armstrong	9	1,388	03/26/2021 1021	03/27/2021 0929
9883430-2	Elk	2	1,385	03/26/2021 1635	03/27/2021 1540
9882199-2	Greene	6	1,385	03/26/2021 1247	03/27/2021 1152
9882660-2	Elk	1	1,383	03/26/2021 1352	03/27/2021 1255
9881291-2	Centre	5	1,374	03/26/2021 1040	03/27/2021 0934
9881562-1	Allegheny	8	1,355	03/26/2021 1115	03/27/2021 0950
9882343-2	Cameron	27	1,350	03/26/2021 1315	03/27/2021 1145
9881241-3	Greene	1	1,336	03/26/2021 1034	03/27/2021 0850
9882468-2	Elk	3	1,300	03/26/2021 1331	03/27/2021 1111
9881248-2	Armstrong	15	1,265	03/26/2021 1012	03/27/2021 0717
9883755-1	Allegheny	6	1,261	03/26/2021 1502	03/27/2021 1203
9883065-2	Allegheny	1	1,202	03/26/2021 1508	03/27/2021 1110
9881130-2	Westmoreland	4	1,195	03/26/2021 1020	03/27/2021 0615
9882415-2	Washington	4	1,178	03/26/2021 1323	03/27/2021 0901
9882712-2	Greene	7	1,145	03/26/2021 1403	03/27/2021 0908
9882547-2	Westmoreland	6	1,090	03/26/2021 1345	03/27/2021 0755
9883545-2	Washington	2	1,084	03/26/2021 1756	03/27/2021 1200
9883949-1	Indiana	12	1,077	03/26/2021 1809	03/27/2021 1206
9883639-3	Centre	1	1,071	03/26/2021 1833	03/27/2021 1224
9882375-2	Armstrong	3	1,058	03/26/2021 1500	03/27/2021 0838
9883105-2	Westmoreland	1	1,032	03/26/2021 1518	03/27/2021 0830
9883616-2	Centre	2	1,013	03/26/2021 1819	03/27/2021 1112
9883619-1	Lycoming	4	1,000	03/26/2021 1200	03/27/2021 0440
9883593-2	Washington	1	993	03/26/2021 1807	03/27/2021 1040
9883493-2	Westmoreland	1	981	03/26/2021 1704	03/27/2021 0925
9880356-2	Washington	1	963	03/26/2021 0854	03/27/2021 0057
9883734-2	Clinton	3	940	03/26/2021 2007	03/27/2021 1147
9880385-2	Washington	1	931	03/26/2021 0859	03/27/2021 0030
9883793-2	Washington	1	882	03/26/2021 2220	03/27/2021 1302
9882411-1	Westmoreland	2	878	03/26/2021 1322	03/27/2021 0400
9883232-1	Centre	2	849	03/26/2021 1321	03/27/2021 0330
9883428-1	Cameron	18	835	03/26/2021 1549	03/27/2021 0544
9883678-2	Fayette	4	832	03/26/2021 1902	03/27/2021 0854
9880815-1	Westmoreland	10	822	03/26/2021 0948	03/26/2021 2330
9882412-2	Greene	14	801	03/26/2021 1010	03/26/2021 2331

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
9883685-2	Fulton	9	797	03/26/2021 1908	03/27/2021 0825
9880855-1	Westmoreland	8	792	03/26/2021 0953	03/26/2021 2305
9883831-1	Cameron	9	759	03/26/2021 1904	03/27/2021 0743
9880056-2	Butler	1	758	03/26/2021 0802	03/26/2021 2040
9883550-1	Centre	11	749	03/26/2021 1011	03/26/2021 2240
9879873-2	Greene	67	726	03/26/2021 0633	03/26/2021 1839
9880102-1	Butler	1	714	03/26/2021 0816	03/26/2021 2010
9883799-2	Lycoming	3	713	03/26/2021 2247	03/27/2021 1040
9880327-2	Allegheny	6	702	03/26/2021 0850	03/26/2021 2032
9880050-2	Greene	3	702	03/26/2021 0805	03/26/2021 1947
9883499-2	Washington	4	701	03/26/2021 0904	03/26/2021 2045
9880556-2	Westmoreland	25	699	03/26/2021 0919	03/26/2021 2058
9880326-2	Washington	1	698	03/26/2021 0852	03/26/2021 2030
9879884-2	Westmoreland	13	686	03/26/2021 0654	03/26/2021 1820
9881795-1	Lycoming	9	682	03/26/2021 1108	03/26/2021 2230
9880244-1	Washington	5	670	03/26/2021 0840	03/26/2021 1950
9880481-2	Washington	8	666	03/26/2021 0828	03/26/2021 1934
9880491-1	Washington	13	663	03/26/2021 0837	03/26/2021 1940
9881381-2	Westmoreland	14	657	03/26/2021 0948	03/26/2021 2045
9880137-2	Butler	7	657	03/26/2021 0823	03/26/2021 1920
9883605-1	Centre	1	654	03/26/2021 1308	03/27/2021 0002
9883605-1	Centre	23	654	03/26/2021 1308	03/27/2021 0002
9882340-1	Cameron	12	641	03/26/2021 1314	03/26/2021 2355
9880184-2	Greene	24	637	03/26/2021 0830	03/26/2021 1907
9880058-2	Westmoreland	1	636	03/26/2021 0807	03/26/2021 1843
9880723-1	Allegheny	34	629	03/26/2021 0934	03/26/2021 2003
9880945-2	Westmoreland	11	627	03/26/2021 1003	03/26/2021 2030
9880105-1	Washington	143	622	03/26/2021 0816	03/26/2021 1838
9881239-3	Centre	28	607	03/26/2021 1028	03/26/2021 2035
9880985-2	Westmoreland	8	606	03/26/2021 0724	03/26/2021 1730
9881873-2	Washington	13	602	03/26/2021 1155	03/26/2021 2157
9880778-2	Armstrong	13	601	03/26/2021 0944	03/26/2021 1945
9880240-2	Washington	10	595	03/26/2021 0840	03/26/2021 1835
9880448-2	Washington	48	591	03/26/2021 0909	03/26/2021 1900
9880405-2	Westmoreland	2	587	03/26/2021 0904	03/26/2021 1851
9880219-1	Allegheny	3	578	03/26/2021 0832	03/26/2021 1810
9880887-2	Washington	23	577	03/26/2021 0957	03/26/2021 1934

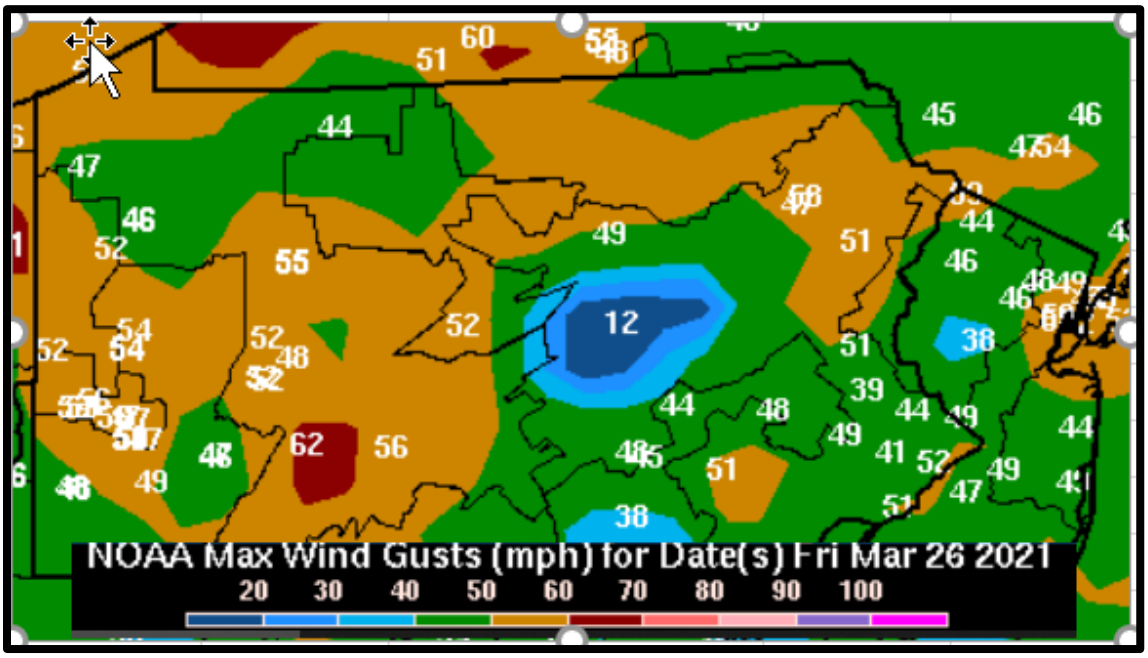
Order #	Approximate Location (County)	Total Number of Customers Affected	Duration of the Outage (minutes)	Initial Date and Time of the Outage	Restoration Date and Time
9880072-2	Butler	11	574	03/26/2021 0811	03/26/2021 1745
9881900-1	Lycoming	353	570	03/26/2021 1200	03/26/2021 2130
9881575-1	Centre	24	568	03/26/2021 1109	03/26/2021 2037
9881369-2	McKean	13	567	03/26/2021 1045	03/26/2021 2012
9880317-2	Washington	12	554	03/26/2021 0851	03/26/2021 1805
9883694-2	Washington	3	549	03/27/2021 0739	03/27/2021 1648
9881266-1	Westmoreland	2	549	03/26/2021 1037	03/26/2021 1946
9880744-1	Allegheny	1	546	03/26/2021 0940	03/26/2021 1846
9880844-2	Westmoreland	1	542	03/26/2021 0951	03/26/2021 1853
9881467-1	Armstrong	10	539	03/26/2021 1141	03/26/2021 2040
9880153-2	Washington	11	537	03/26/2021 0828	03/26/2021 1725
9880347-1	Butler	13	530	03/26/2021 0855	03/26/2021 1745
9882931-1	Westmoreland	19	528	03/26/2021 0917	03/26/2021 1805
9881256-2	Elk	7	525	03/26/2021 1036	03/26/2021 1921
9880960-1	Armstrong	11	521	03/26/2021 1004	03/26/2021 1845
9881254-1	Clinton	7	519	03/26/2021 1036	03/26/2021 1915
9882581-2	Washington	11	517	03/26/2021 1046	03/26/2021 1923
9882976-1	Clinton	1	515	03/26/2021 1457	03/26/2021 2332
9880089-2	Washington	419	508	03/26/2021 0811	03/26/2021 1639
9881894-1	Centre	3	507	03/26/2021 1158	03/26/2021 2025
9881087-1	Washington	1	498	03/26/2021 1015	03/26/2021 1833
9881224-1	Greene	3	489	03/26/2021 1031	03/26/2021 1840
9883521-1	Armstrong	29	487	03/26/2021 0914	03/26/2021 1721
9881256-1	Elk	43	485	03/26/2021 1036	03/26/2021 1841
9881127-1	Butler	1	481	03/26/2021 1020	03/26/2021 1821
9882930-1	Armstrong	51	476	03/26/2021 1020	03/26/2021 1816
9881411-2	Centre	26	475	03/26/2021 1050	03/26/2021 1845
9883057-1	Westmoreland	69	471	03/26/2021 0909	03/26/2021 1700
9881681-2	Centre	32	467	03/26/2021 1133	03/26/2021 1920
9881291-1	Centre	9	464	03/26/2021 1040	03/26/2021 1824
9882055-2	Fayette	19	463	03/26/2021 1042	03/26/2021 1825
9881489-1	Washington	1	461	03/26/2021 1104	03/26/2021 1845
9881672-2	Centre	24	460	03/26/2021 1102	03/26/2021 1842
9880730-1	Washington	9	456	03/26/2021 0939	03/26/2021 1715
9882343-1	Cameron	4	453	03/26/2021 1315	03/26/2021 2048
9880228-2	Westmoreland	7	443	03/26/2021 0715	03/26/2021 1438
9883426-2	Centre	10	437	03/26/2021 1402	03/26/2021 2119

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
9883272-1	Centre	1	436	03/26/2021 1149	03/26/2021 1905
9881263-1	Allegheny	17	433	03/26/2021 1037	03/26/2021 1750
9880800-1	Armstrong	4	433	03/26/2021 0946	03/26/2021 1659
9881204-2	Westmoreland	6	432	03/26/2021 1028	03/26/2021 1740
9880402-1	Greene	393	427	03/26/2021 0839	03/26/2021 1546
9882334-1	Westmoreland	1	426	03/26/2021 1030	03/26/2021 1736
9883523-1	Centre	5	424	03/26/2021 1226	03/26/2021 1930
9880403-1	Fayette	883	424	03/26/2021 0903	03/26/2021 1607
9882079-1	Westmoreland	6	421	03/26/2021 1223	03/26/2021 1924
9880799-1	Allegheny	21	419	03/26/2021 0900	03/26/2021 1559
9882120-1	Fayette	17	418	03/26/2021 1237	03/26/2021 1935
9883551-1	Washington	1	417	03/26/2021 1740	03/27/2021 0037
9880649-1	Westmoreland	21	416	03/26/2021 0929	03/26/2021 1625
9881410-2	Greene	82	410	03/26/2021 1044	03/26/2021 1734
9880510-1	Butler	25	401	03/26/2021 0915	03/26/2021 1556
9881671-1	Cameron	53	397	03/26/2021 1130	03/26/2021 1807
9880873-3	Armstrong	10	395	03/26/2021 0955	03/26/2021 1630
9881842-1	Centre	14	390	03/26/2021 1000	03/26/2021 1630
9881330-1	Greene	1	385	03/26/2021 1045	03/26/2021 1710
9880243-1	Butler	19	384	03/26/2021 0840	03/26/2021 1504
9882334-1	Westmoreland	159	384	03/26/2021 1030	03/26/2021 1654
9880911-1	Allegheny	78	371	03/26/2021 0949	03/26/2021 1600
9881359-2	Clarion	25	370	03/26/2021 1046	03/26/2021 1656
9881074-1	Elk	74	363	03/26/2021 1014	03/26/2021 1617
9882464-1	Centre	37	360	03/26/2021 1325	03/26/2021 1925

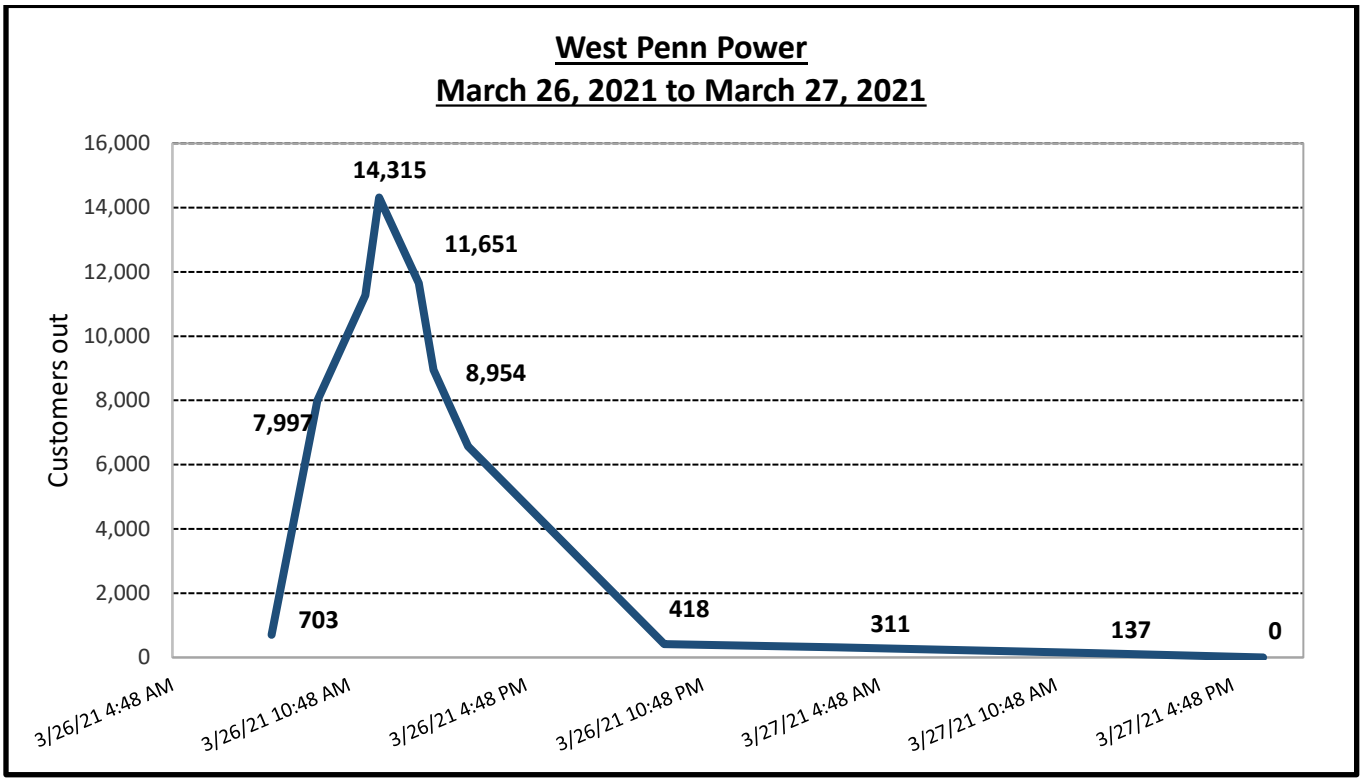
Attachment B: FirstEnergy Precipitation and Wind Reports

Precipitation and Wind Reports: The graphic below illustrates the maximum wind gusts in the West Penn Power service territory on March 26, 2021. The graphic is from the National Oceanic and Atmospheric Administration ("NOAA").

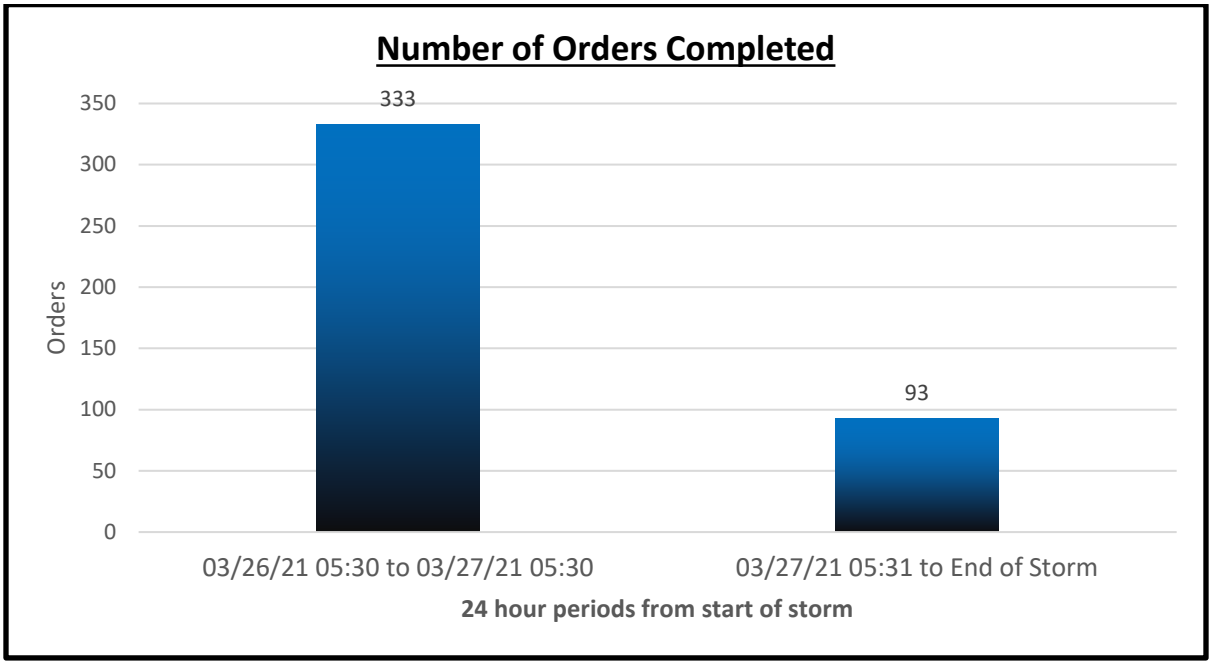
Maximum Wind Gusts: Friday, March 26, 2021

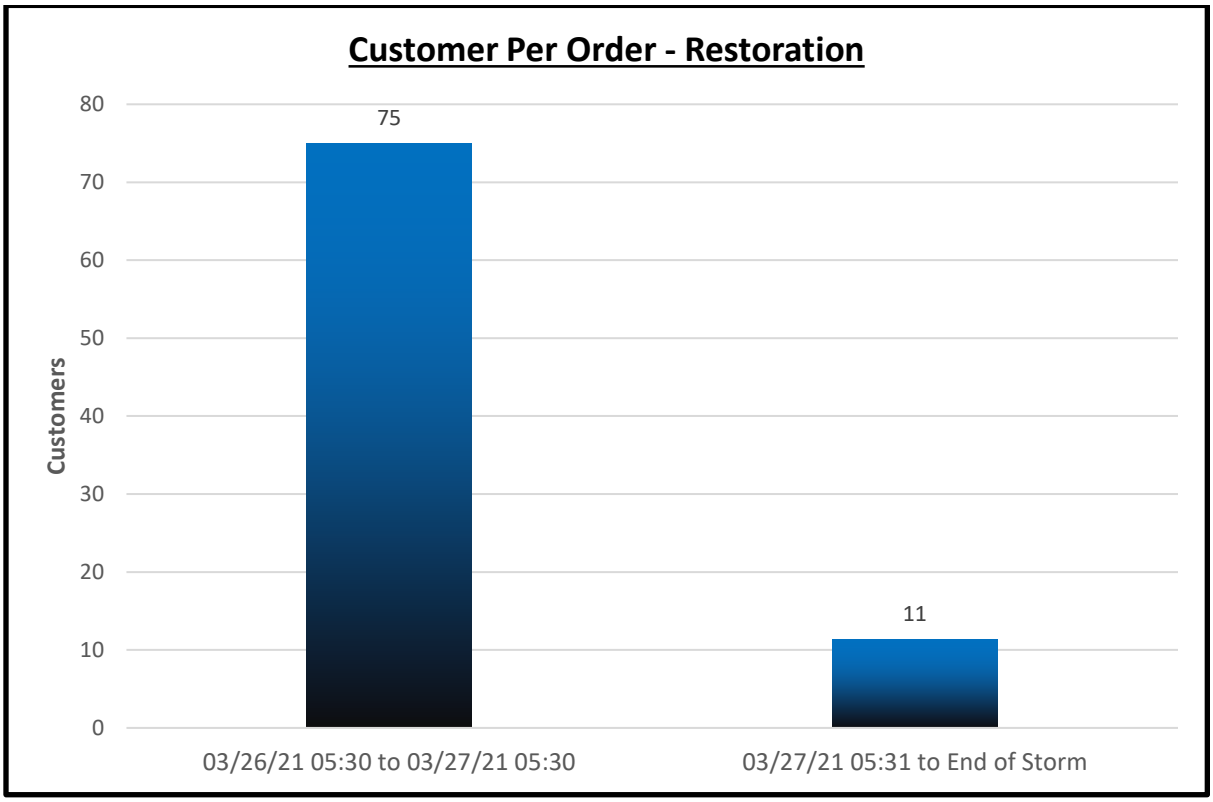


Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs





Attachment E: FirstEnergy Meteorologist Reports

Tuesday, March 23, 2021 at 1246

New Issuance:

A strong storm system appears likely to affect most of FirstEnergy with strong gusts throughout the day on Friday. Strong wind gusts are expected to move into southern Ohio and West Virginia early Friday morning, and spread northeast across most of the FirstEnergy footprint throughout the day.

Quick thoughts:

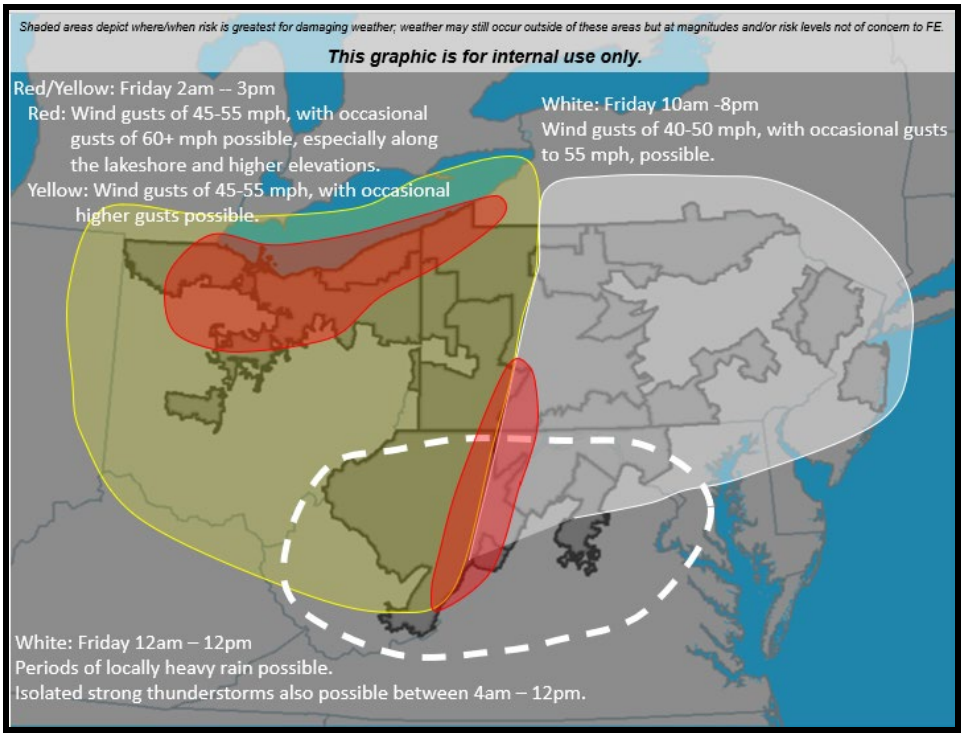
--In general, wind gusts of 45-55 mph, with occasional higher gusts appear possible, but the magnitude of these gusts could change as the event gets closer.

--The strongest gusts are expected across central Ohio, the Lake Erie shoreline, and potentially the higher elevations of West Virginia and Maryland early in the day Friday—but this too may change in the coming days.

--Periods of heavy rain, and perhaps a strong thunderstorm or two, are possible across areas of West Virginia and Maryland early Friday as well.

--There is still some uncertainty regarding the magnitude, location and timing of the winds, but there is good consensus that strong wind gusts will occur.

See graphic below for further details.



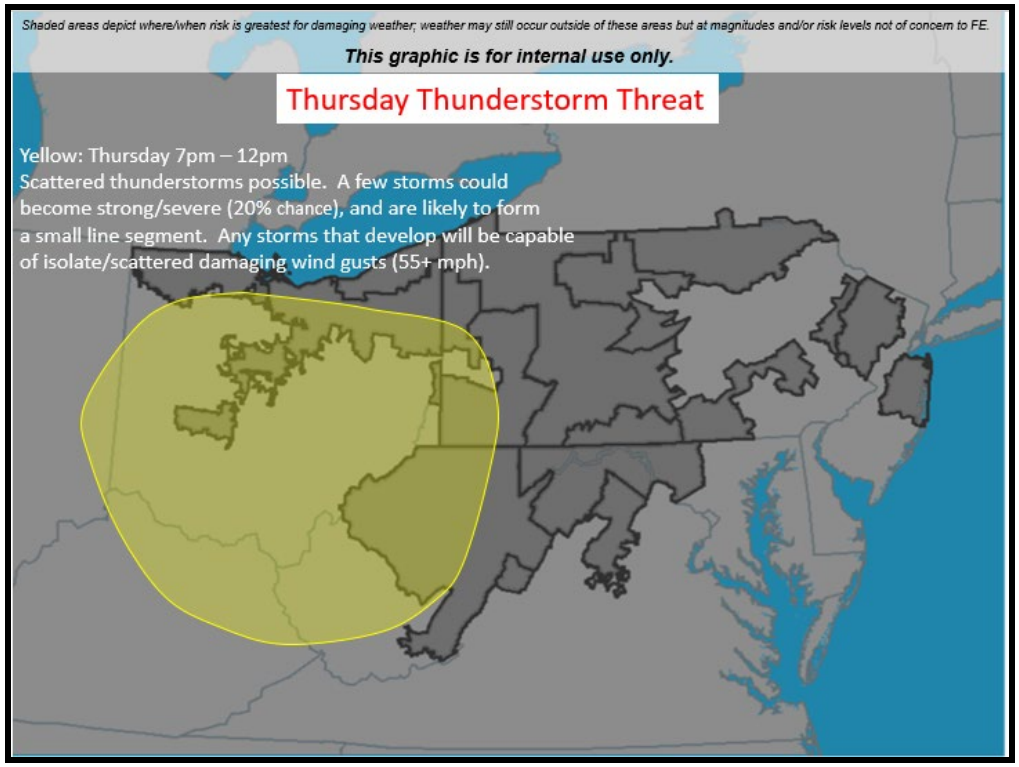
Wednesday, March 24, 2021 at 1033

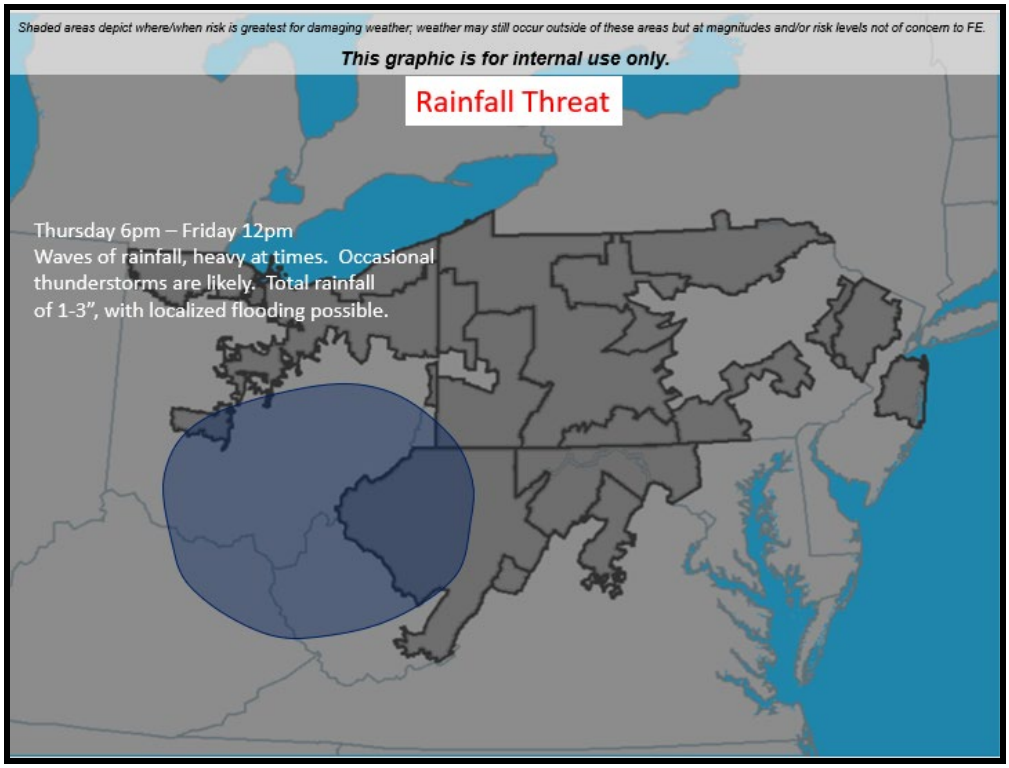
Update:

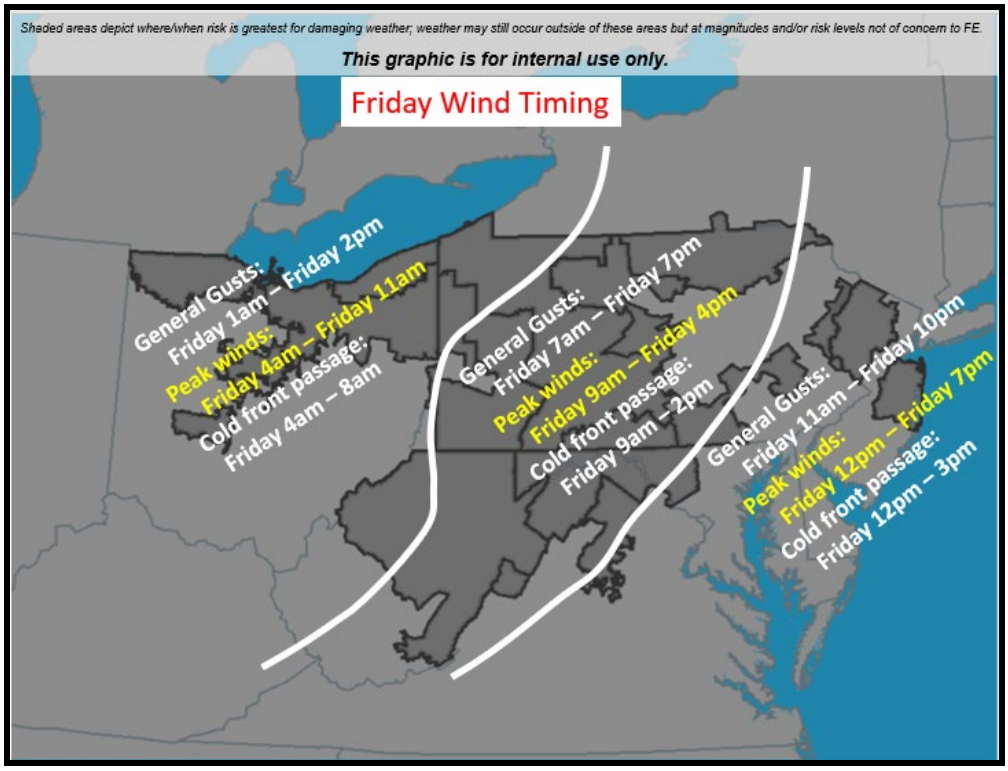
--General increase of expected wind gusts in western FirstEnergy, especially across Ohio and northwest Pennsylvania. A period of strong winds (55-60+ mph gusts, sustained winds of 30-40 mph) is possible in these areas.
--Added more information on expected wind gust magnitudes and timing across FirstEnergy for Friday.
--Introduced the risk of strong/severe thunderstorms across western FirstEnergy Thursday evening. This is before the passage of the cold front and strong wind event on Friday.
--Updated areas that could see heavy rainfall and localized flash flooding late Thursday into Friday.

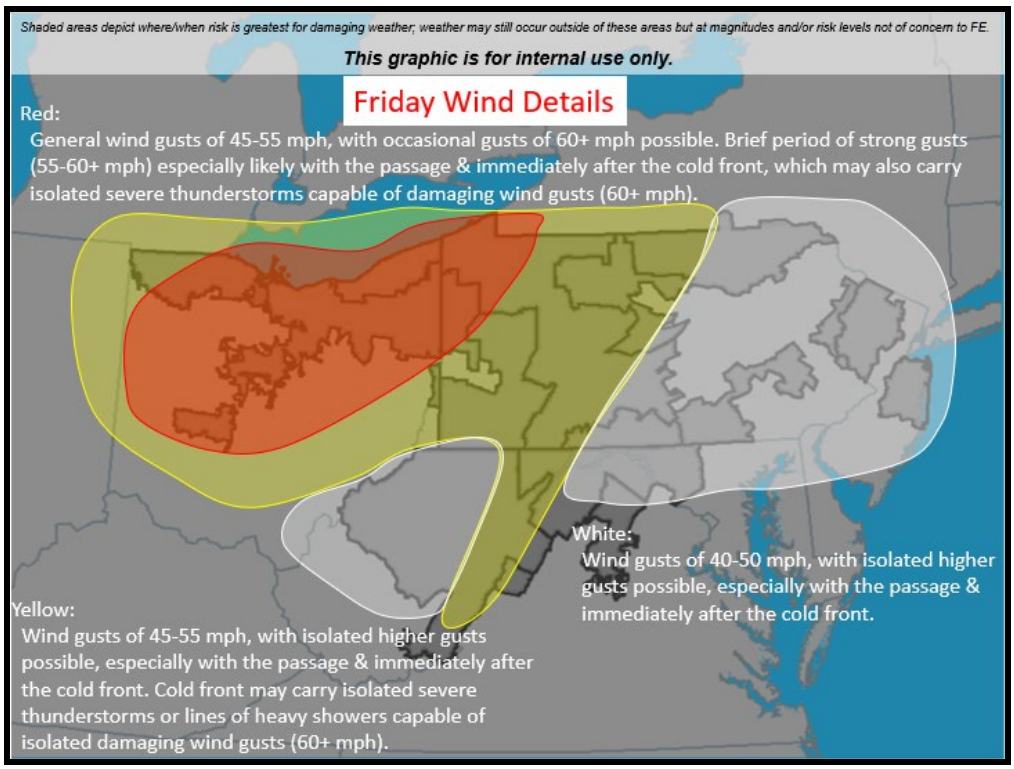
General storm information:
--A strong storm system will approach and move through FirstEnergy late Thursday through the day on Friday.
--The storm will drag a sharp cold front across the area, generally in a west-to-east fashion, beginning early Friday in western FirstEnergy and moving through far eastern FirstEnergy early Friday afternoon.
--Strong wind gusts are possible with the passage, and a few hours immediately after, of the front. The strongest gusts are expected across portions of Ohio and western Pennsylvania.
--A band of thunderstorms or heavy rain showers may be riding along the front. These will increase the likelihood of strong gusts.
--In a separate event, thunderstorms are likely to develop Thursday evening across western FirstEnergy before the arrival of the main storm system.

See four graphics below for further details.


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Thursday Thunderstorm Threat
Yellow: Thursday 7pm – 12pm
Scattered thunderstorms possible. A few storms could become strong/severe (20% chance), and are likely to form a small line segment. Any storms that develop will be capable of isolate/scattered damaging wind gusts (55+ mph).


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Rainfall Threat
Thursday 6pm – Friday 12pm
Waves of rainfall, heavy at times. Occasional thunderstorms are likely. Total rainfall of 1-3", with localized flooding possible.


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Friday Wind Timing
General Gusts:
Friday 1am – Friday 2pm
Peak winds:
Friday 4am – Friday 11am
Cold front passage:
Friday 4am – 8am
General Gusts:
Friday 7am – Friday 7pm
Peak winds:
Friday 9am – Friday 4pm
Cold front passage:
Friday 9am – 2pm
General Gusts:
Friday 11am – Friday 10pm
Peak winds:
Friday 12pm – Friday 7pm
Cold front passage:
Friday 12pm – 3pm


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Friday Wind Details
Red:
General wind gusts of 45-55 mph, with occasional gusts of 60+ mph possible. Brief period of strong gusts (55-60+ mph) especially likely with the passage & immediately after the cold front, which may also carry isolated severe thunderstorms capable of damaging wind gusts (60+ mph).
White:
Wind gusts of 40-50 mph, with isolated higher gusts possible, especially with the passage & immediately after the cold front.
Yellow:
Wind gusts of 45-55 mph, with isolated higher gusts possible, especially with the passage & immediately after the cold front. Cold front may carry isolated severe thunderstorms or lines of heavy showers capable of isolated damaging wind gusts (60+ mph).

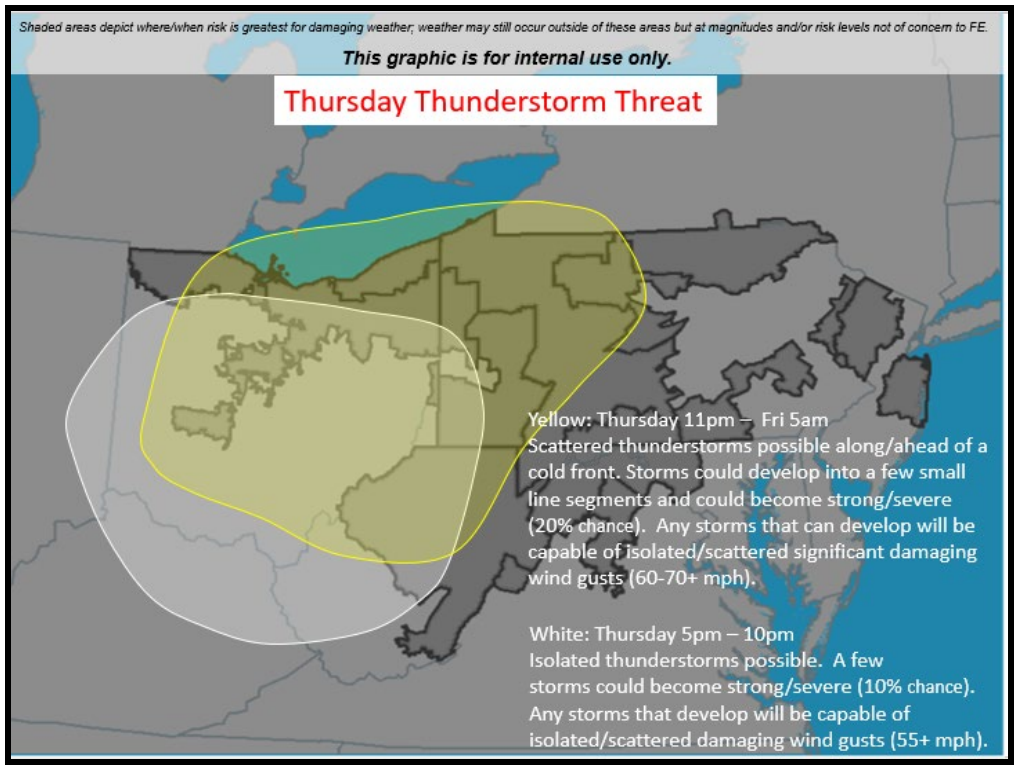
Thursday, March 25, 2021 at 1018

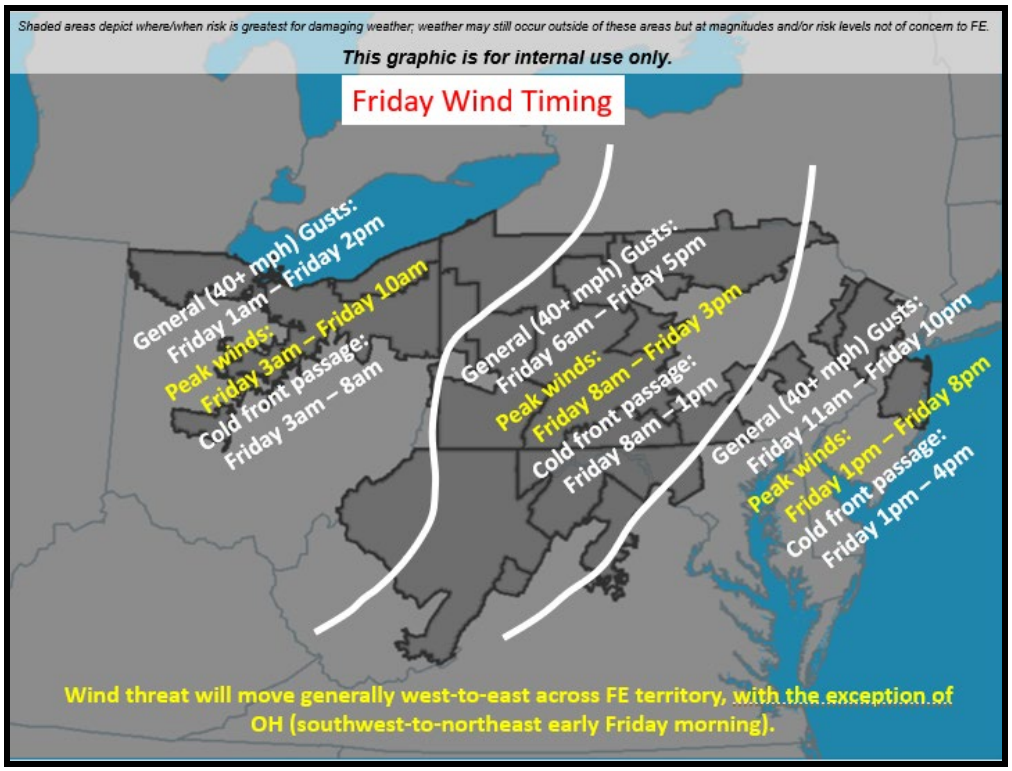
Update:

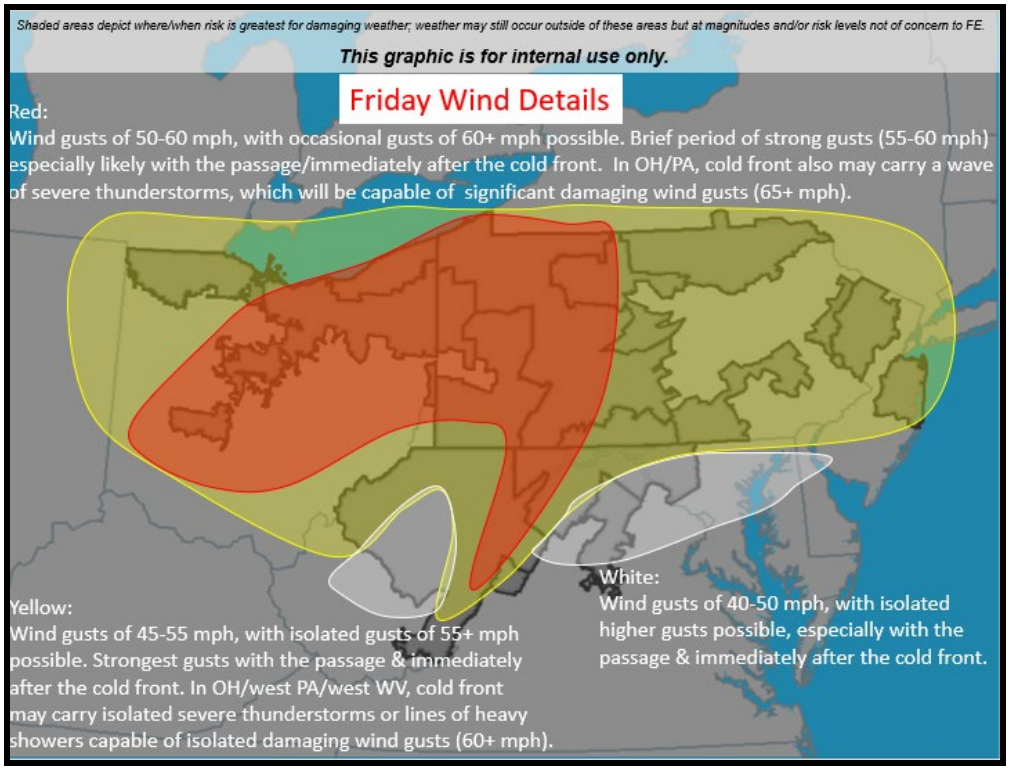
--Increase in expected wind gusts for most of FirstEnergy—this is most relevant for areas of Ohio, Pennsylvania, and New Jersey.
--Updated thunderstorm forecast and introduced a second risk area for strong thunderstorms across western FirstEnergy—there are now two thunderstorm threats across these areas:
1) A small risk of isolated strong thunderstorms Thursday evening.
2) A risk of severe thunderstorms capable of significant wind gusts along/ahead of the cold front early Friday.
--Removed areas of heavy rainfall—although areas across Ohio and western West Virginia could see >1 inch of rain from multiple rounds of storms Thursday evening & Friday morning.
--Small adjustments to timing of cold front and expected winds.

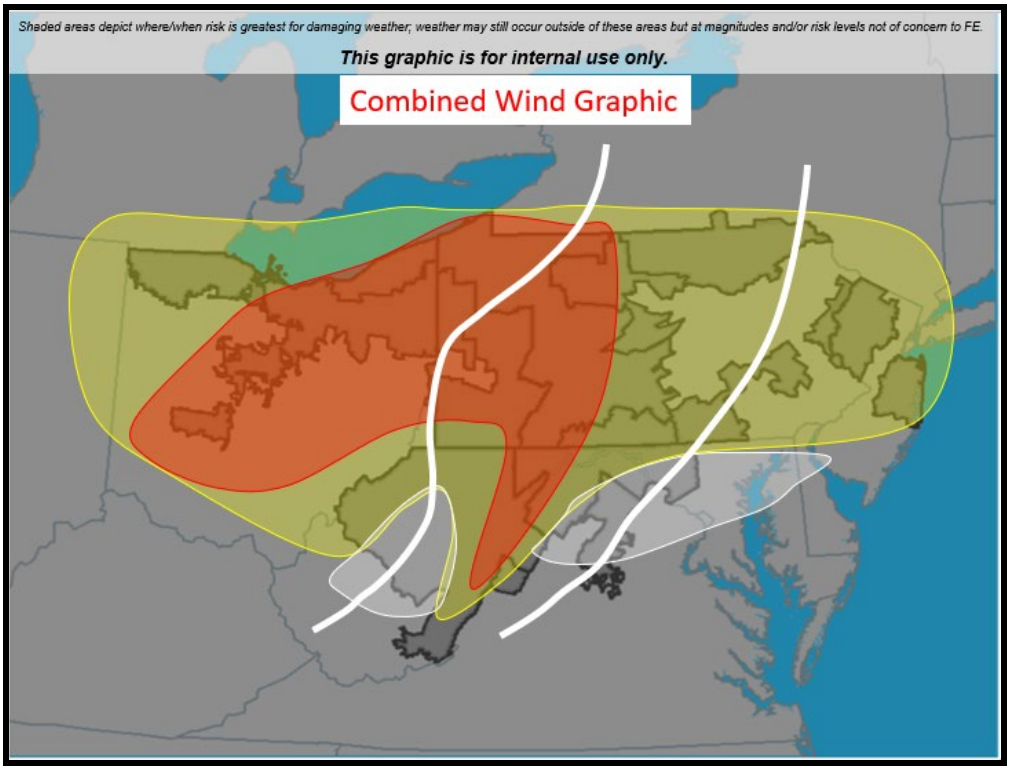
Additional Details:
--At any given location, wind speeds will likely increase very quickly as the cold front (or any thunderstorms) arrives.
--At any given location, the strongest winds (i.e. 'peak winds') will likely last for 1-3 hour period after the front passes. However, 'general wind gusts' (>40+ mph) may linger for 4-8 hours after the front.
--The exception to this is in the elevations of eastern West Virginia, western Maryland, and southern Pennsylvania, where wind gusts will last a bit longer.
--Thunderstorms may not get the chance to develop along the cold front in Ohio/Pennsylvania early Friday, but:
A) Wind gusts of 55-60+ mph will still be possible with the front itself
B) Any storms that do develop in this window will be capable of significant localized wind gusts (60-70 mph)

See four graphics below for further details.


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Thursday Thunderstorm Threat
Yellow: Thursday 11pm – Fri 5am
Scattered thunderstorms possible along/ahead of a cold front. Storms could develop into a few small line segments and could become strong/severe (20% chance). Any storms that can develop will be capable of isolated/scattered significant damaging wind gusts (60-70+ mph).
White: Thursday 5pm – 10pm
Isolated thunderstorms possible. A few storms could become strong/severe (10% chance). Any storms that develop will be capable of isolated/scattered damaging wind gusts (55+ mph).


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Friday Wind Timing
General (40+ mph) Gusts:
Friday 1am – Friday 2pm
Peak winds:
Friday 3am – Friday 10am
Cold front passage:
Friday 3am – 8am
General (40+ mph) Gusts:
Friday 6am – Friday 5pm
Peak winds:
Friday 8am – Friday 3pm
Cold front passage:
Friday 8am – 1pm
General (40+ mph) Gusts:
Friday 11am – Friday 10pm
Peak winds:
Friday 1pm – Friday 8pm
Cold front passage:
Friday 1pm – 4pm
Wind threat will move generally west-to-east across FE territory, with the exception of OH (southwest-to-northeast early Friday morning).


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Friday Wind Details
Red:
Wind gusts of 50-60 mph, with occasional gusts of 60+ mph possible. Brief period of strong gusts (55-60 mph) especially likely with the passage/immediately after the cold front. In OH/PA, cold front also may carry a wave of severe thunderstorms, which will be capable of significant damaging wind gusts (65+ mph).
White:
Wind gusts of 40-50 mph, with isolated higher gusts possible, especially with the passage & immediately after the cold front.
Yellow:
Wind gusts of 45-55 mph, with isolated gusts of 55+ mph possible. Strongest gusts with the passage & immediately after the cold front. In OH/west PA/west WV, cold front may carry isolated severe thunderstorms or lines of heavy showers capable of isolated damaging wind gusts (60+ mph).


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Combined Wind Graphic

Thursday, March 25, 2021 at 1502

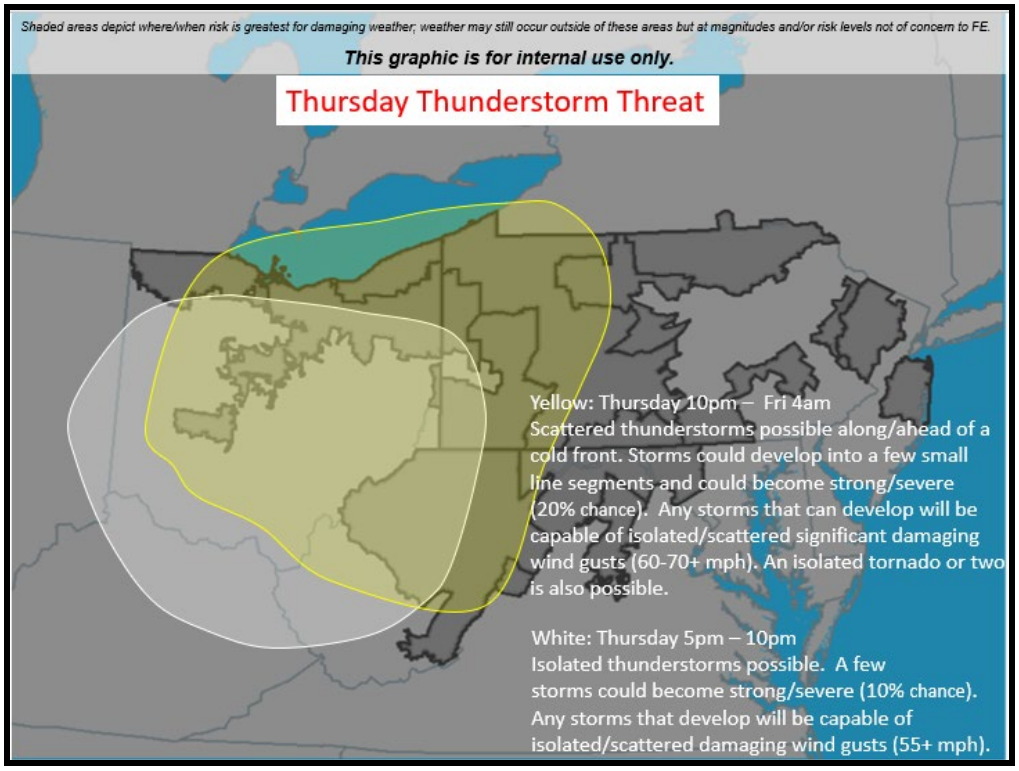
Update:

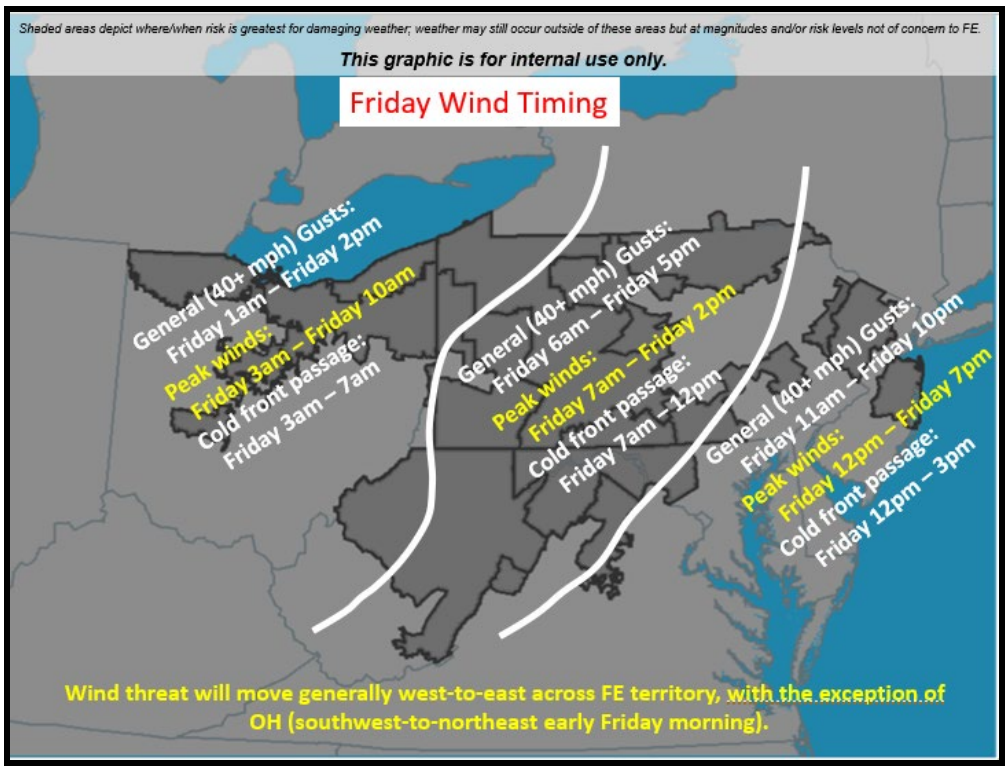
Only small changes this afternoon; no major changes to the forecast.
--Small adjustments to the timing of the cold front and peak winds—moving them an hour or two earlier than discussed in this morning's alert.
--Updated thunderstorm forecast to include a bit more area in Pennsylvania and West Virginia, and also to mention the possibility of a few tornados early Friday morning—tornado risk is mainly for central Ohio.

No changes to the rest of the forecast.

Additional Details:
--At any given location, wind speeds will likely increase very quickly as the cold front (or any thunderstorms) arrives.
--At any given location, the strongest winds (i.e. 'peak winds') will likely last for 1-3 hour period after the front passes. However, 'general wind gusts' (>40+ mph) may linger for 4-8 hours after the front.
--The exception to this is in the elevations of eastern West Virginia, western Maryland, and southern Pennsylvania, where wind gusts will last a bit longer.
--Thunderstorms may not get the chance to develop along the cold front in Ohio/Pennsylvania early Friday, but:
A) Wind gusts of 55-60+ mph will still be possible with the front itself
B) Any storms that do develop in this window will be capable of significant localized wind gusts (60-70 mph)

See four graphics below for further details.


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Thursday Thunderstorm Threat
Yellow: Thursday 10pm – Fri 4am
Scattered thunderstorms possible along/ahead of a cold front. Storms could develop into a few small line segments and could become strong/severe (20% chance). Any storms that can develop will be capable of isolated/scattered significant damaging wind gusts (60-70+ mph). An isolated tornado or two is also possible.
White: Thursday 5pm – 10pm
Isolated thunderstorms possible. A few storms could become strong/severe (10% chance). Any storms that develop will be capable of isolated/scattered damaging wind gusts (55+ mph).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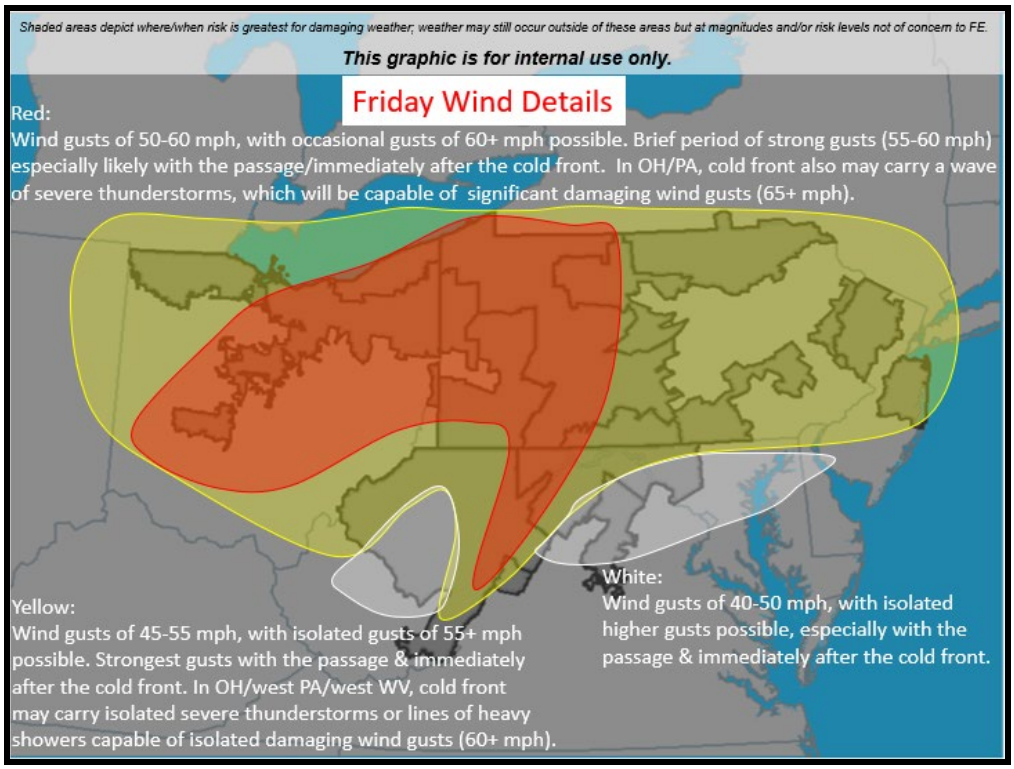
This graphic is for internal use only.
Friday Wind Timing
General (40+ mph) Gusts:
Friday 1am – Friday 2pm
Peak winds:
Friday 3am – Friday 10am
Cold front passage:
Friday 3am – 7am
General (40+ mph) Gusts:
Friday 6am – Friday 5pm
Peak winds:
Friday 7am – Friday 2pm
Cold front passage:
Friday 7am – 12pm
General (40+ mph) Gusts:
Friday 11am – Friday 10pm
Peak winds:
Friday 12pm – Friday 7pm
Cold front passage:
Friday 12pm – 3pm
Wind threat will move generally west-to-east across FE territory, with the exception of OH (southwest-to-northeast early Friday morning).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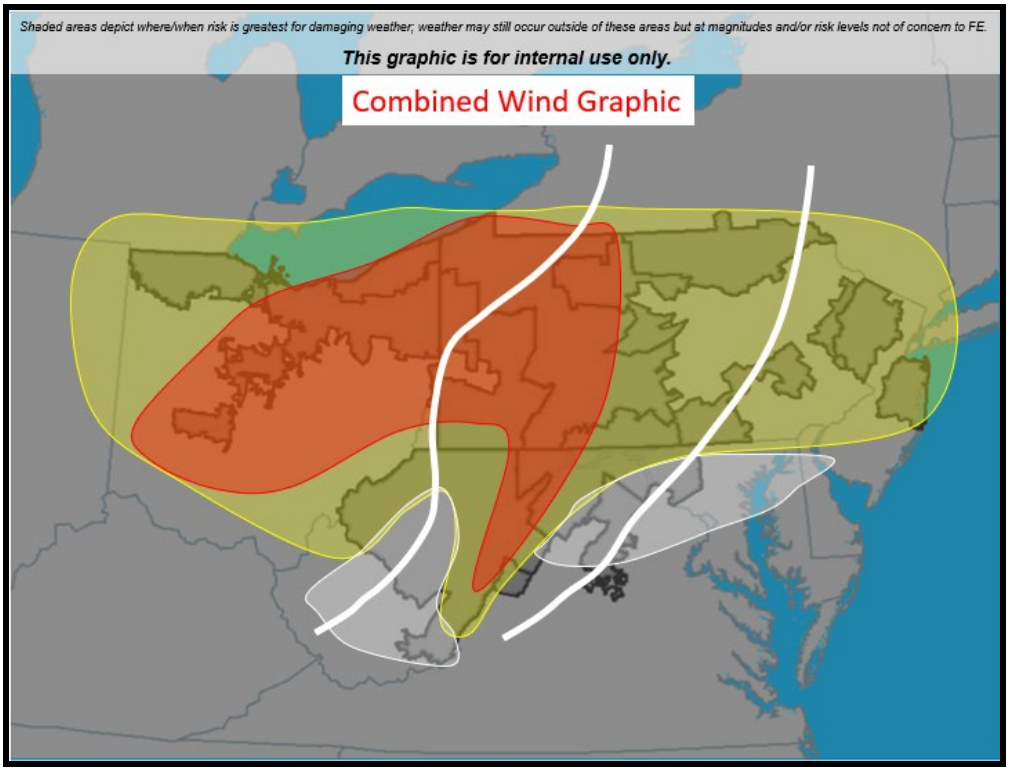
Friday Wind Details
Red:
Wind gusts of 50-60 mph, with occasional gusts of 60+ mph possible. Brief period of strong gusts (55-60 mph) especially likely with the passage/immediately after the cold front. In OH/PA, cold front also may carry a wave of severe thunderstorms, which will be capable of significant damaging wind gusts (65+ mph).
Yellow:
Wind gusts of 45-55 mph, with isolated gusts of 55+ mph possible. Strongest gusts with the passage & immediately after the cold front. In OH/west PA/west WV, cold front may carry isolated severe thunderstorms or lines of heavy showers capable of isolated damaging wind gusts (60+ mph).
White:
Wind gusts of 40-50 mph, with isolated higher gusts possible, especially with the passage & immediately after the cold front.


Shaded areas depict where/when risk is greatest for damaging weather; weather may still occur outside of these areas but at magnitudes and/or risk levels not of concern to FE.
This graphic is for internal use only.
Combined Wind Graphic

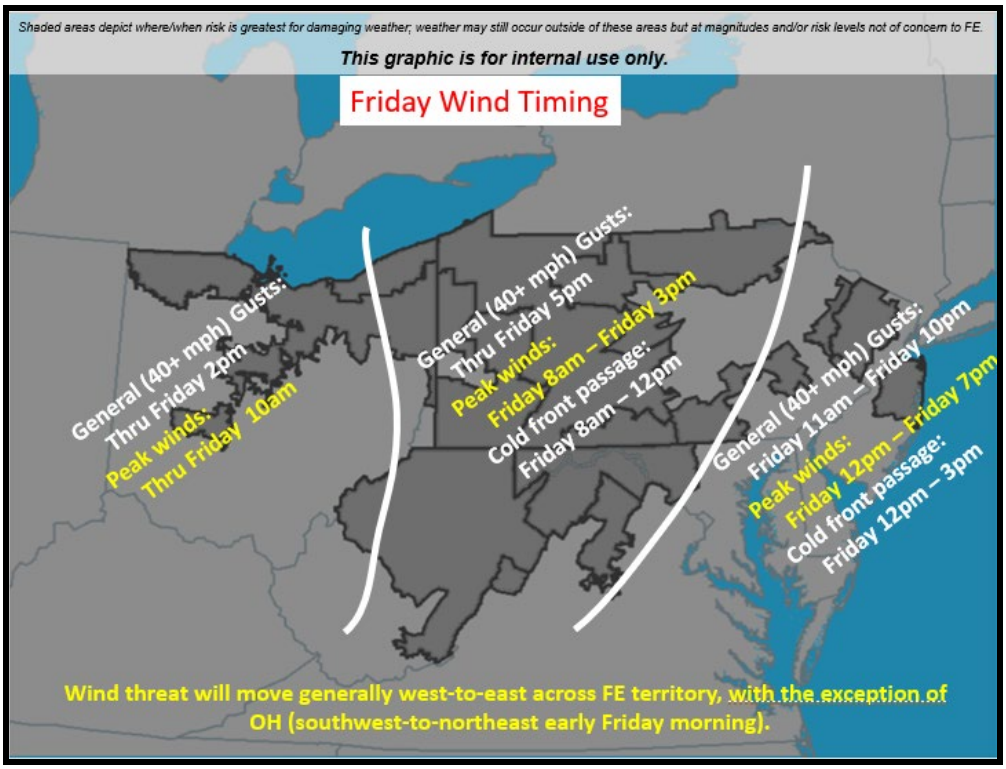
Friday March 26, 2021 at 0841

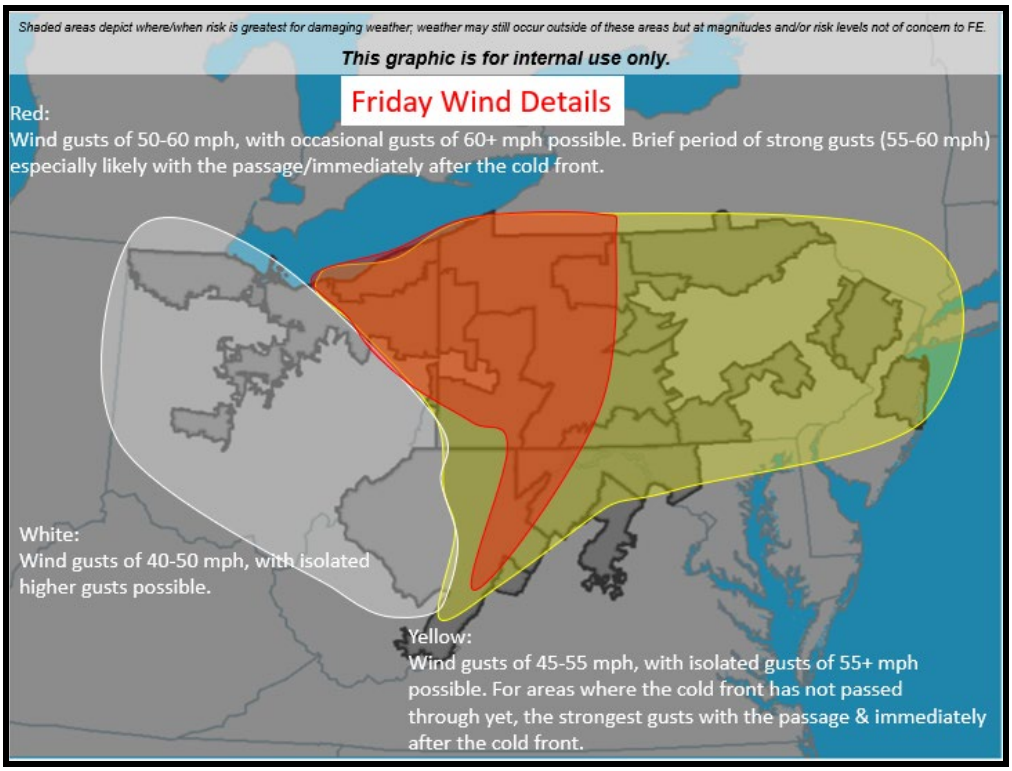
Update: *No major changes to the forecast this morning. The small changes:*
--Removed all mention of thunderstorms along the cold front for the rest of the event.
--Expanded 45-55 mph wind gust area to include all of Potomac Edison.
--Small changes to the timing details for central and eastern FirstEnergy.

Additional Details:
--Given current observations this morning, the 'peak wind' period has lasted for roughly 2-3 hours after the arrival of the cold front.
--Winds will stay gusty (40-50 mph) for 5-8 hours after the passage of the front.
--Winds will generally relax across all of the FirstEnergy footprint after sunset tonight; this will occur earlier (this afternoon) across the western half of FirstEnergy.

See two graphics below for further details.

Last Scheduled Update

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Friday Wind Details
Red:
Wind gusts of 50-60 mph, with occasional gusts of 60+ mph possible. Brief period of strong gusts (55-60 mph) especially likely with the passage/immediately after the cold front.
White:
Wind gusts of 40-50 mph, with isolated higher gusts possible.
Yellow:
Wind gusts of 45-55 mph, with isolated gusts of 55+ mph possible. For areas where the cold front has not passed through yet, the strongest gusts with the passage & immediately after the cold front.