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May 14, 2021

**VIA E-FILING**

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2<sup>nd</sup> 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 April 30, 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:

April 30, 2021                                      0833  
*(Date)*                                                      *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 38,925 (Represents 6.7% 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	184	3	3
Blair	665	21	14
Bradford	822	29	10
Cambria	1,988	14	7
Centre	45	3	3
Clarion	1,156	10	2
Clearfield	6,774	31	17
Crawford	267	7	6
Cumberland	3	3	1
Erie	297	18	35
Forest	352	10	2
Franklin	1	1	5
Huntingdon	48	5	7
Indiana	45	8	6
Jefferson	7	3	6
Lycoming	5	3	2
McKean	6	1	8
Mifflin	18,998	45	11
Perry	7	1	1
Somerset	314	3	4
Sullivan	103	5	4
Susquehanna	2,338	20	8
Tioga	177	12	7
Venango	224	9	11
Warren	1,618	15	6
Wayne	12	1	1
Wyoming	2,469	19	5
<b>Total</b>	<b>38,925</b>	<b>300</b>	<b>192</b>

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 86

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

Reason for the interruption or outages: Beginning the morning of Friday, April 30, 2021, a cold front with high winds moved across Pennsylvania, including the Penelec service

territory. The front formed a storm system which produced sustained high winds with maximum winds gusts in excess of 50 miles per hour. See Attachment B for the wind report for April 30, 2021.

Damage as a result of the high winds included downed trees and power lines, damaged and broken poles and crossarms. The Clearfield and Cambria areas were the hardest hit; however, the high winds impacted the entire service territory.

Preliminary data indicates the reliability impact of the storm was 8.2 minutes of SAIDI, 0.07 of SAIFI, and an overall storm CAIDI of 122.7 minutes.

- (f) Projected time of restoration: The estimated time of restoration for the majority of customers was 1700 on May 1, 2021.

See Attachment C for the restoration curve and Attachment D for the order restoration graphs.

- (g) 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	162	Line Workers
<b>Subtotal</b>	<b>162</b>	
Davey Tree	13	Forestry Contractor
Hazlett Tree	3	Forestry Contractor
Asplundh Tree	8	Forestry Contractor
PennLine Services	15	Forestry Contractor
TreeSmiths	35	Forestry Contractor
Townsend Tree	9	Forestry Contractor
Lewis Tree	7	Forestry Contractor
<b>Subtotal</b>	<b>90</b>	
Penelec	6	Hazard Responders/Damage Assessors
<b>Subtotal</b>	<b>6</b>	
Penelec	43	Supporting Roles
<b>Subtotal</b>	<b>43</b>	
<b>Grand Total</b>	<b>301</b>	

- (h) The date and time of the first information of a service interruption: April 30, 2021 at 0626.
- (i) The date and time that repair crews were assembled: Crews were on-duty at the time of the storm.
- (j) The actual time that service was restored to the last affected customer: May 01, 2021 at 2210. Additionally, Penelec was able to restore 89.9% of the impacted customers in less than six hours.

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

Equipment	Number
Primary Spans Down	132
Secondary Spans Replaced	79
Crossarms Replaced	23
Cutouts Replaced	25
Poles Replaced	11
Transformers Replaced	8
Wire & Cable Replaced (feet)	740

- (l) 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.

- (m) 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 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<sup>1</sup>:**

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
11550505-2	VENANGO	6	1,669	04/30/2021 1821	05/01/2021 2210
11548491-2	BRADFORD	7	1,657	04/30/2021 1401	05/01/2021 1738
11552683-2	FOREST	6	1,485	04/30/2021 1835	05/01/2021 1920
11550884-3	FOREST	1	1,459	04/30/2021 1831	05/01/2021 1850
11549080-2	BRADFORD	1	1,445	04/30/2021 1555	05/01/2021 1600
11549080-2	BRADFORD	1	1,445	04/30/2021 1555	05/01/2021 1600
11548945-1	WYOMING	5	1,433	04/30/2021 1542	05/01/2021 1535
11550473-3	FOREST	3	1,421	04/30/2021 1757	05/01/2021 1738
11551311-2	HUNTINGDON	7	1,396	04/30/2021 2005	05/01/2021 1921
11550126-2	SUSQUEHANNA	1	1,327	04/30/2021 1708	05/01/2021 1515
11551740-1	WYOMING	11	1,258	04/30/2021 1743	05/01/2021 1441
11550403-2	BLAIR	1	1,242	04/30/2021 1748	05/01/2021 1430
11550498-2	CENTRE	8	1,220	04/30/2021 1802	05/01/2021 1422
11551240-1	WYOMING	7	1,216	04/30/2021 1952	05/01/2021 1608
11550488-2	TIOGA	13	1,210	04/30/2021 1800	05/01/2021 1410
11551539-2	BLAIR	20	1,189	04/30/2021 2048	05/01/2021 1637
11549105-1	TIOGA	1	1,185	04/30/2021 1556	05/01/2021 1141
11549291-2	WYOMING	5	1,181	04/30/2021 1509	05/01/2021 1050
11550543-3	VENANGO	11	1,180	04/30/2021 1810	05/01/2021 1350
11551185-1	WAYNE	12	1,177	04/30/2021 1939	05/01/2021 1516
11552350-1	FOREST	10	1,164	04/30/2021 1836	05/01/2021 1400
11552289-2	CLEARFIELD	5	1,141	04/30/2021 1819	05/01/2021 1320
11551644-2	BRADFORD	56	1,136	04/30/2021 1827	05/01/2021 1323
11551644-2	BRADFORD	134	1,136	04/30/2021 1827	05/01/2021 1323
11549492-1	SUSQUEHANNA	6	1,133	04/30/2021 1623	05/01/2021 1116
11548940-2	BRADFORD	1	1,123	04/30/2021 1541	05/01/2021 1024
11549937-3	WYOMING	226	1,118	04/30/2021 1655	05/01/2021 1133
11552184-1	WARREN	1	1,112	04/30/2021 1728	05/01/2021 1200
11550739-2	HUNTINGDON	7	1,100	04/30/2021 1831	05/01/2021 1251
11551467-1	LYCOMING	1	1,044	04/30/2021 1726	05/01/2021 1050
11550502-2	SUSQUEHANNA	22	1,041	04/30/2021 1804	05/01/2021 1125

<sup>1</sup> 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
11551304-2	SUSQUEHANNA	2	1,040	04/30/2021 2005	05/01/2021 1325
11551410-2	HUNTINGDON	1	1,034	04/30/2021 2035	05/01/2021 1349
11552683-2	FOREST	6	1,025	04/30/2021 1835	05/01/2021 1140
11550400-3	CLEARFIELD	153	995	04/30/2021 1744	05/01/2021 1019
11551127-2	CLEARFIELD	120	987	04/30/2021 1923	05/01/2021 1150
11551127-2	CLEARFIELD	18	982	04/30/2021 1923	05/01/2021 1145
11548946-2	FOREST	37	943	04/30/2021 1756	05/01/2021 0939
11552166-2	BRADFORD	1	884	05/01/2021 0204	05/01/2021 1648
11549779-2	BLAIR	180	849	04/30/2021 1411	05/01/2021 0420
11551662-2	BRADFORD	43	831	04/30/2021 2109	05/01/2021 1100
11552308-2	BEDFORD	2	810	05/01/2021 0614	05/01/2021 1944
11551838-1	BRADFORD	13	780	04/30/2021 2150	05/01/2021 1050
11550712-1	CLARION	92	754	04/30/2021 1828	05/01/2021 0702
11549903-4	BRADFORD	2	672	04/30/2021 1653	05/01/2021 0405
11548145-2	CRAWFORD	51	645	04/30/2021 1230	04/30/2021 2315
11552029-2	TIOGA	17	596	04/30/2021 2320	05/01/2021 0916
11551651-2	CAMBRIA	658	592	04/30/2021 1743	05/01/2021 0335
11549779-2	BLAIR	44	570	04/30/2021 1411	04/30/2021 2341
11553500-1	CRAWFORD	13	543	05/01/2021 2242	05/02/2021 0745
11550266-1	WARREN	53	532	04/30/2021 1728	05/01/2021 0220
11550400-3	CLEARFIELD	58	516	04/30/2021 1744	05/01/2021 0220
11550474-1	CLEARFIELD	486	516	04/30/2021 1744	05/01/2021 0220
11550218-2	ERIE	1	514	04/30/2021 1714	05/01/2021 0148
11550817-3	INDIANA	13	511	04/30/2021 1845	05/01/2021 0316
11548077-1	ERIE	14	504	04/30/2021 1206	04/30/2021 2030
11548525-1	SULLIVAN	2	499	04/30/2021 1406	04/30/2021 2225
11553476-2	JEFFERSON	1	495	05/02/2021 0533	05/02/2021 1348
11552166-1	BRADFORD	12	491	05/01/2021 0204	05/01/2021 1015
11547848-1	TIOGA	2	489	04/30/2021 0945	04/30/2021 1754
11551405-1	BLAIR	1	481	04/30/2021 2034	05/01/2021 0435
11550116-1	CLEARFIELD	1	469	04/30/2021 1711	05/01/2021 0100
11553310-1	CLARION	9	466	05/01/2021 2259	05/02/2021 0645
11550421-2	ERIE	10	460	04/30/2021 1751	05/01/2021 0131
11552695-1	SUSQUEHANNA	1	455	05/01/2021 1049	05/01/2021 1824
11550712-1	CLARION	7	450	04/30/2021 1828	05/01/2021 0158
11551800-1	MIFFLIN	1	435	04/30/2021 2106	05/01/2021 0421
11551800-1	MIFFLIN	2	435	04/30/2021 2106	05/01/2021 0421

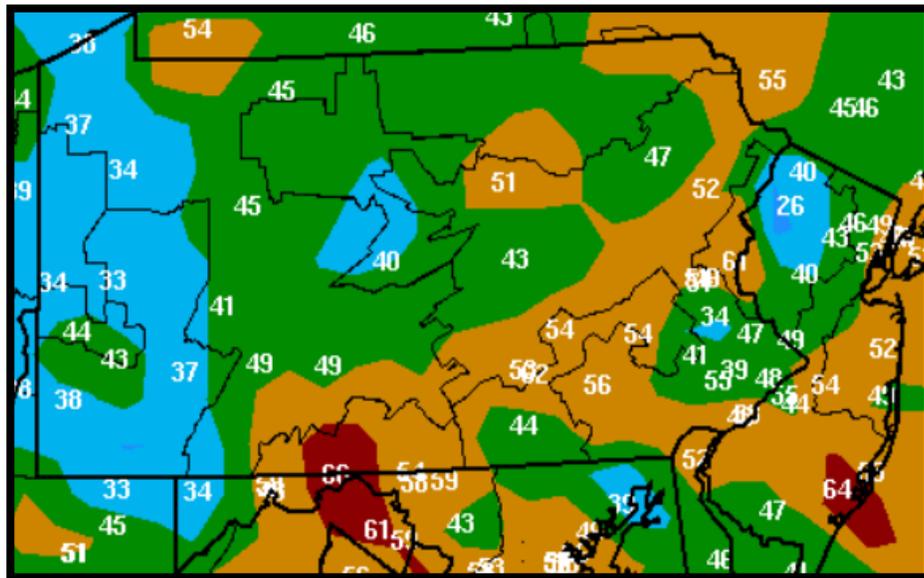
Penelec Storm Report

<b>Order #</b>	<b>Approximate Location (County)</b>	<b>Total Number of Customers Affected</b>	<b>Duration of the Outage (minutes)</b>	<b>Initial Date and Time of the Outage</b>	<b>Restoration Date and Time</b>
11551800-1	MIFFLIN	33	435	04/30/2021 2106	05/01/2021 0421
11547913-1	CLEARFIELD	636	434	04/30/2021 1025	04/30/2021 1739
11550869-1	ERIE	4	430	04/30/2021 1840	05/01/2021 0150
11553619-2	VENANGO	87	425	05/02/2021 0949	05/02/2021 1654
11547934-2	BRADFORD	6	423	04/30/2021 1022	04/30/2021 1725
11552656-1	WARREN	9	422	05/01/2021 1028	05/01/2021 1730
11549779-2	BLAIR	81	414	04/30/2021 1411	04/30/2021 2105
11549172-2	WARREN	11	408	04/30/2021 1602	04/30/2021 2250
11553255-1	CRAWFORD	63	405	05/01/2021 2102	05/02/2021 0347
11551800-1	MIFFLIN	10	401	04/30/2021 2140	05/01/2021 0421
11551355-1	MIFFLIN	1	397	04/30/2021 1928	05/01/2021 0205
11550253-2	MIFFLIN	22	395	04/30/2021 1726	05/01/2021 0001
11548693-1	CUMBERLAND	1	387	04/30/2021 1448	04/30/2021 2115
11550473-1	FOREST	30	383	04/30/2021 1757	05/01/2021 0020
11551644-2	BRADFORD	5	375	05/01/2021 0708	05/01/2021 1323
11551409-1	CAMBRIA	3	375	04/30/2021 2029	05/01/2021 0244
11548131-1	WYOMING	142	368	04/30/2021 1224	04/30/2021 1832
11548131-1	WYOMING	69	367	04/30/2021 1224	04/30/2021 1831

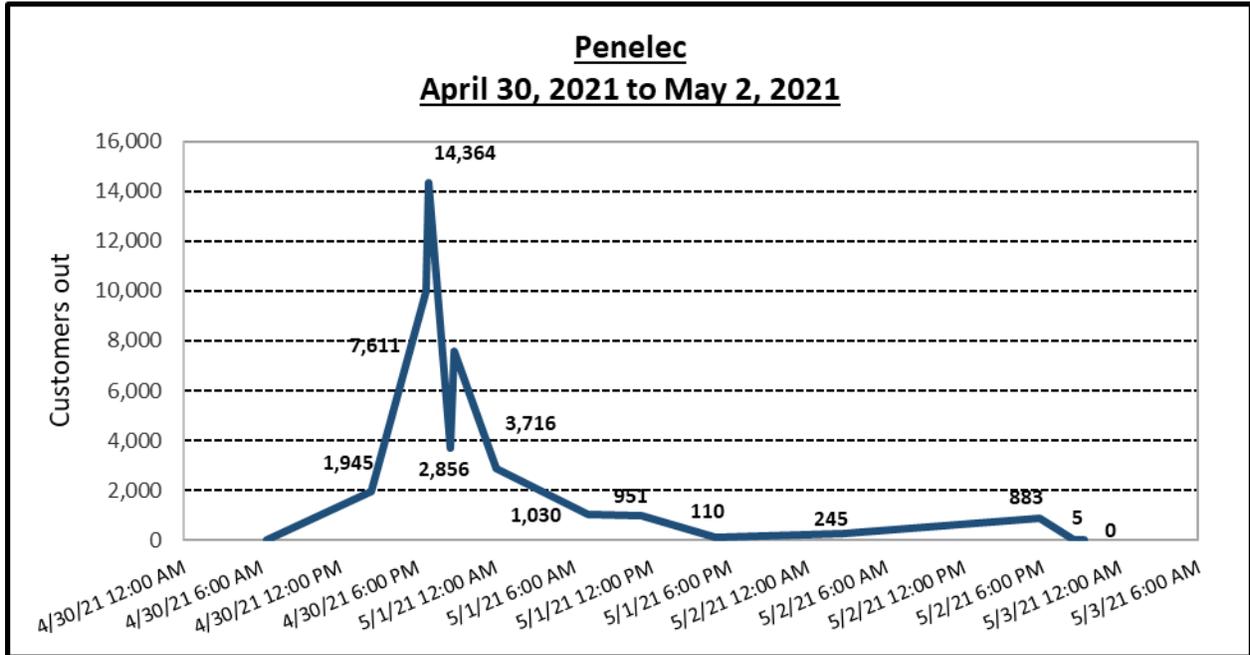
**Attachment B: FirstEnergy Wind Report**

**Wind Report:** The graphic below illustrates the maximum wind gusts in the Penelec service territory on April 30, 2021. The graphic is from the National Oceanic and Atmospheric Administration (“NOAA”).

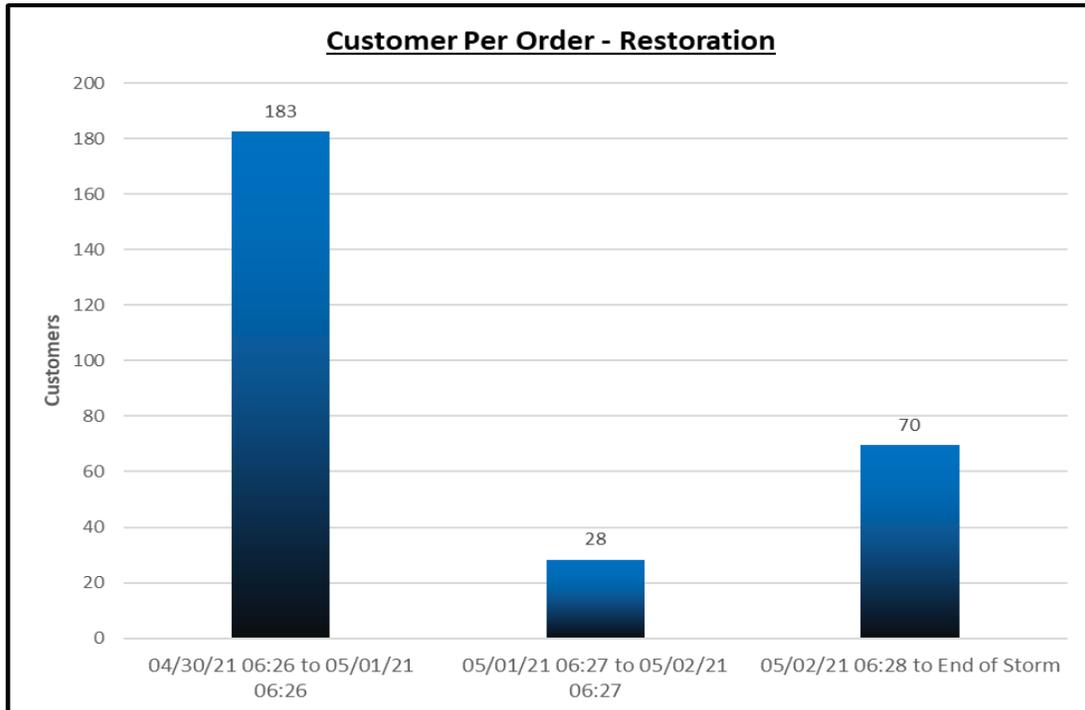
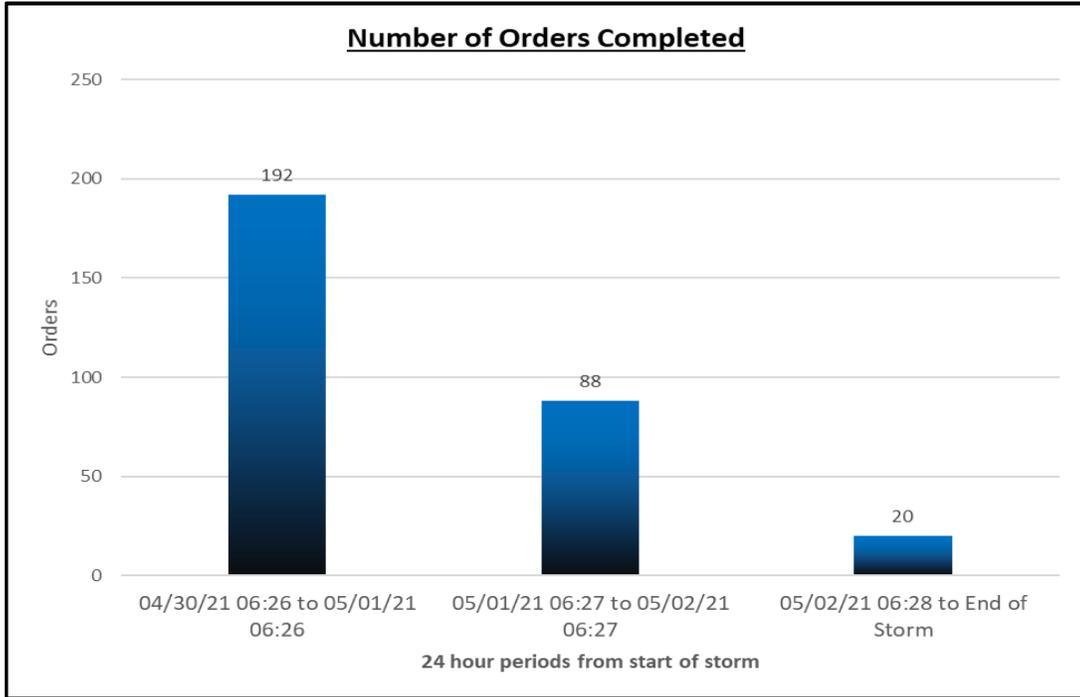
Maximum Wind Gusts: Friday, April 30, 2021



Attachment C: Restoration Curve



**Attachment D: Order Restoration Graphs**



**Attachment E: FirstEnergy Meteorologist Reports**

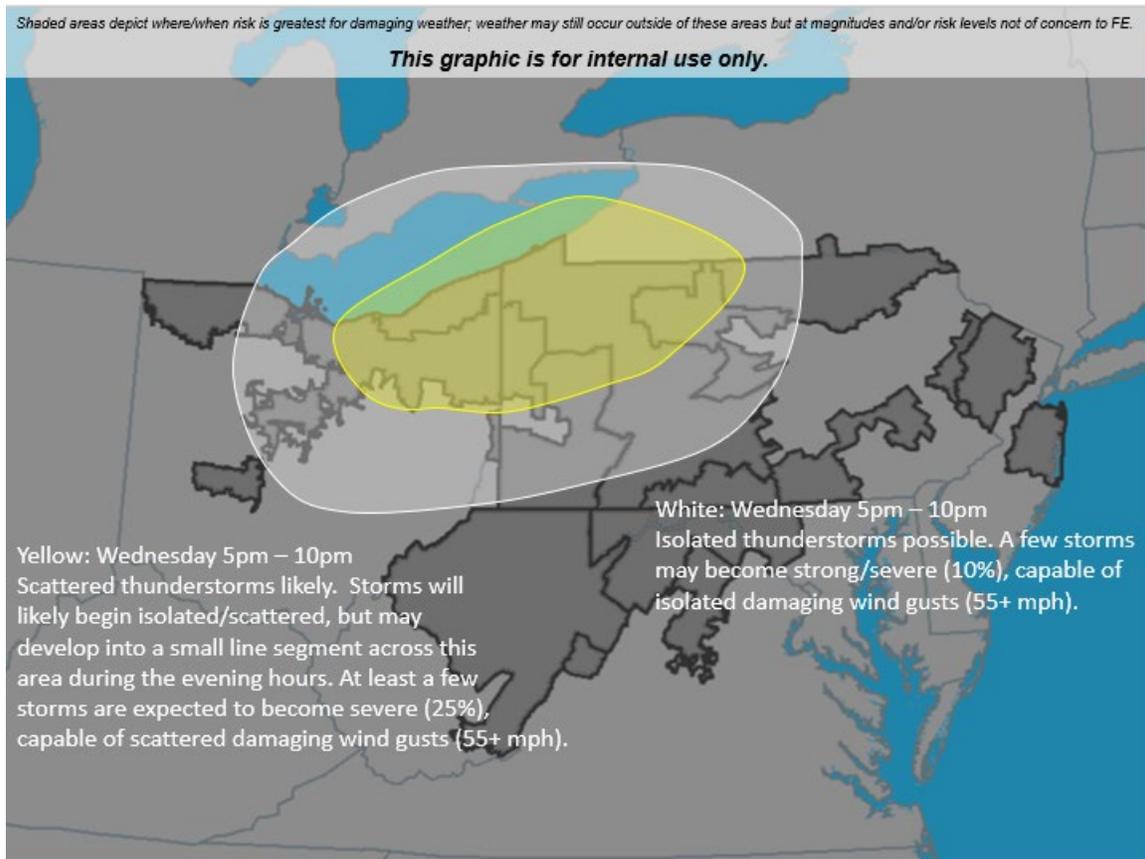
**Wednesday, April 28, 2021 at 0824**

**New Issuance:**

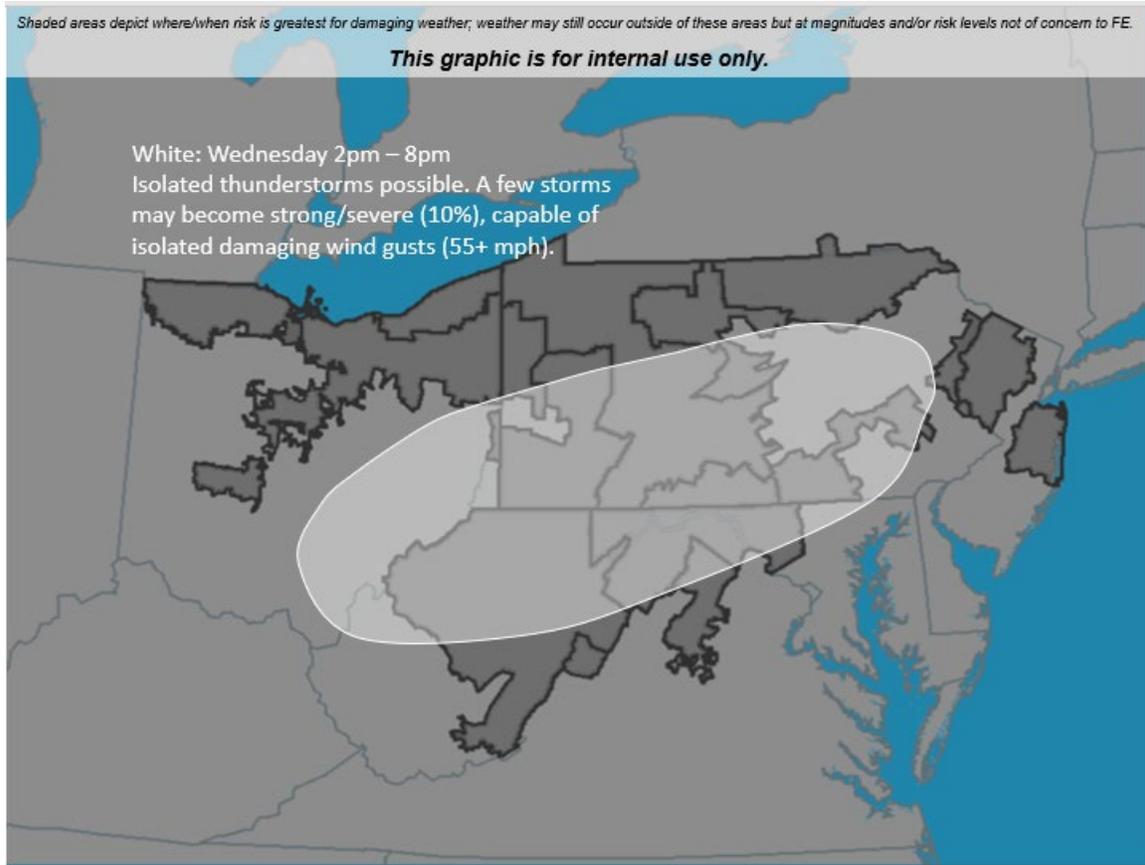
A wave of thunderstorms – a few likely to be strong/severe – is expected Wednesday late afternoon/evening across portions of eastern OH and western PA. Storms may start out isolated late this afternoon, but may form a small line segment across this area this evening. Scattered damaging wind gusts will be possible with these storms, especially if a small line of storms develops. Elsewhere across OH, northern WV and PA, a few isolated strong storms are possible—but storms across these general areas are expected to remain isolated.

Scattered strong/severe storm development is also possible along a slow-moving cold front on Thursday—mainly across portions of southern PA, WV and western MD. As of now the general threat of wind damage from storms looks isolated, but the possibility of a line of storms developing can't be ruled out --and the risk of severe storms may need to be increased in future alerts.

See graphics below for further information.



Penelec Storm Report



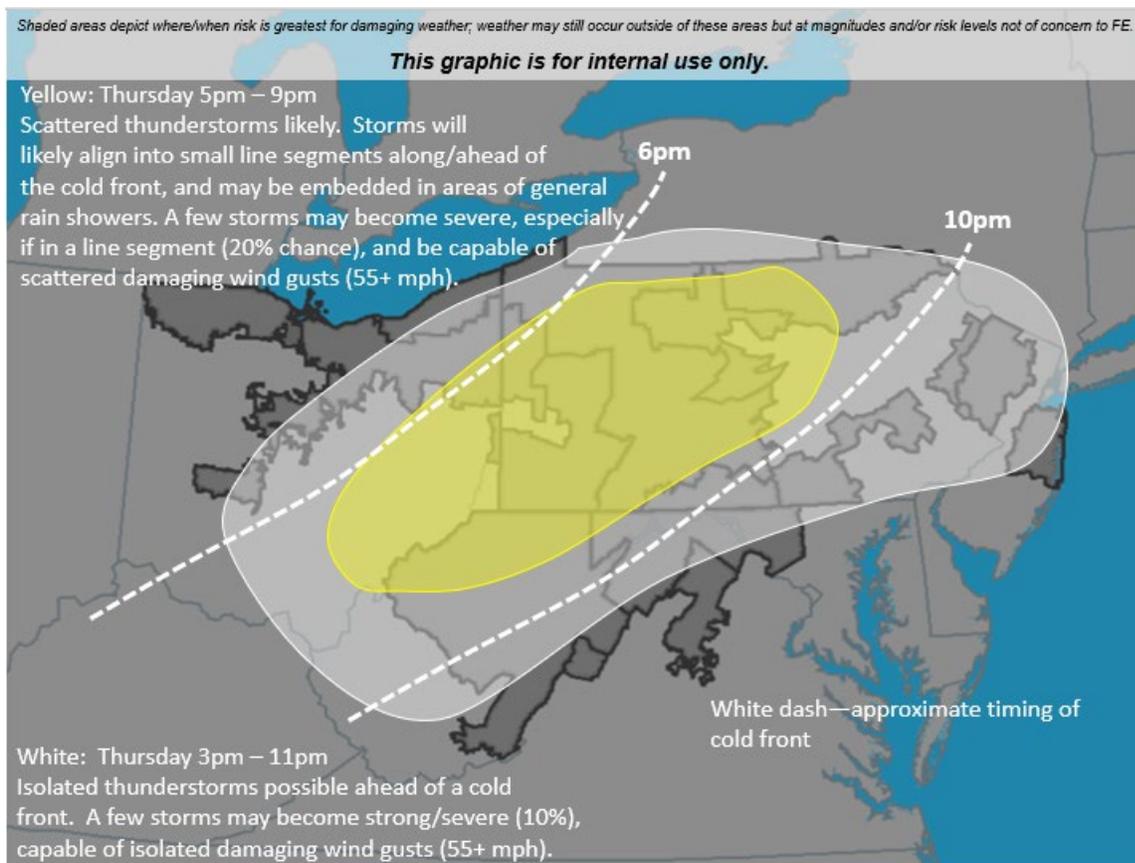
**Thursday, April 29, 2021 at 0904**

**Update:**

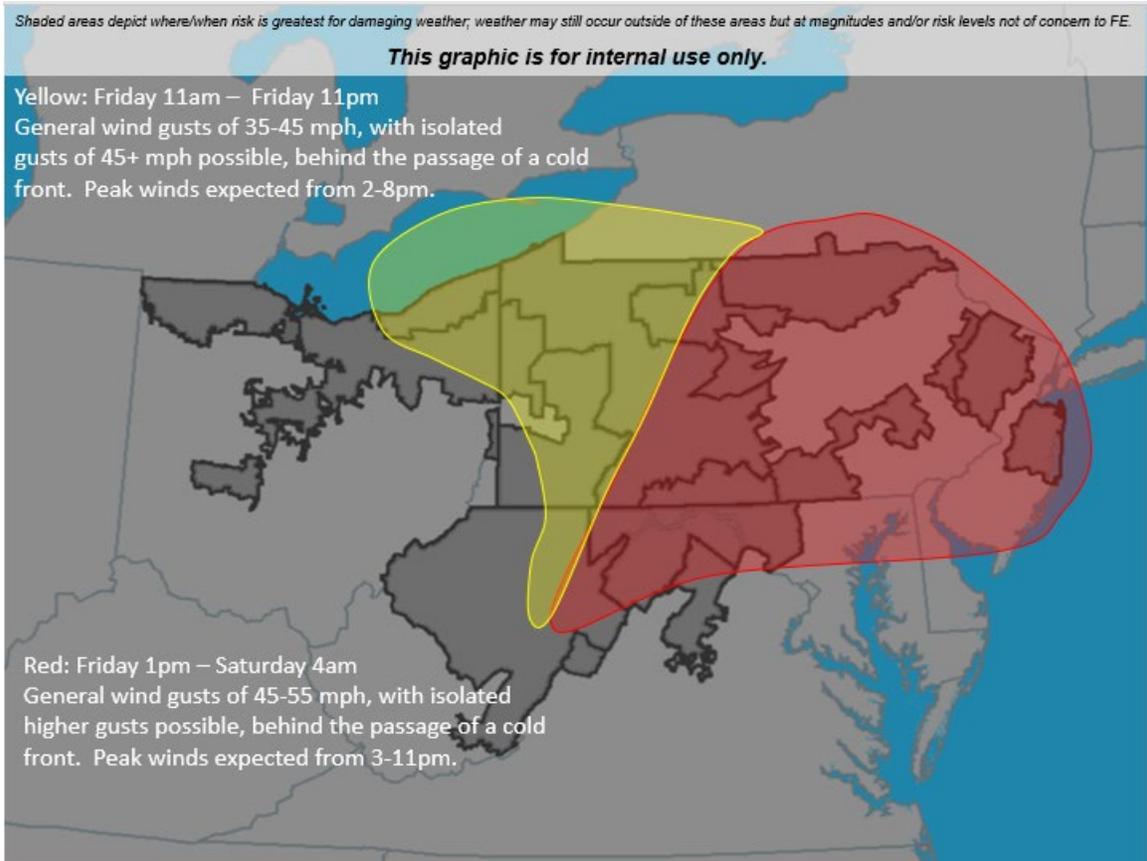
Slightly the risk of strong thunderstorms developing along a cold front later Thursday afternoon/evening, as well as generally expanded the area that may see storm activity. Not all areas will see storms, but any storms that do develop later today will be capable of a least scattered wind damage.

Additionally, added information regarding possibly significant gusts expected to develop across northern/eastern FE Friday afternoon and overnight. A second cold front will pass through FE during the day Friday, and behind this front wind gusts will increase. The strongest of the wind gusts are expected to be across the eastern half of FE, where 50+ mph gusts look possible over a several hour period late Friday afternoon and evening.

See graphics below for further information.



Penelec Storm Report



**Thursday, April 29, 2021 at 1434**

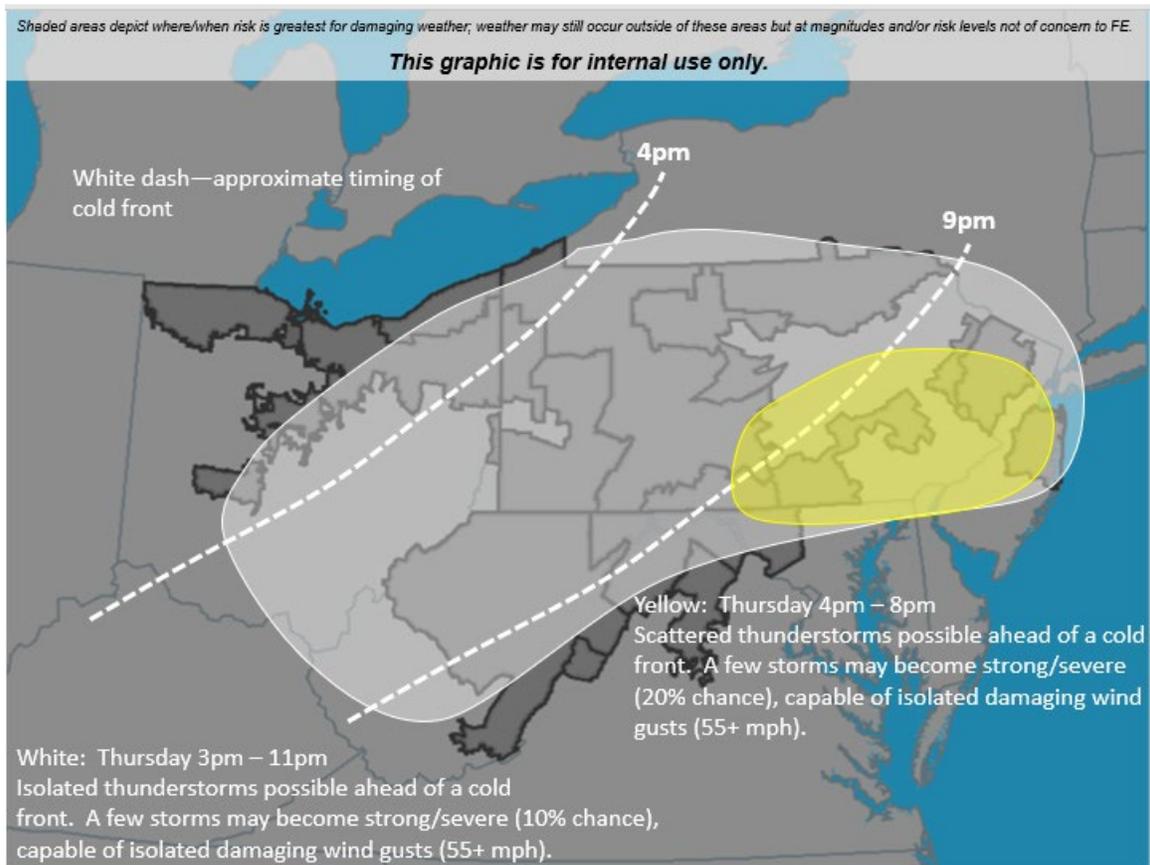
**Update:**

A few moving parts this afternoon:

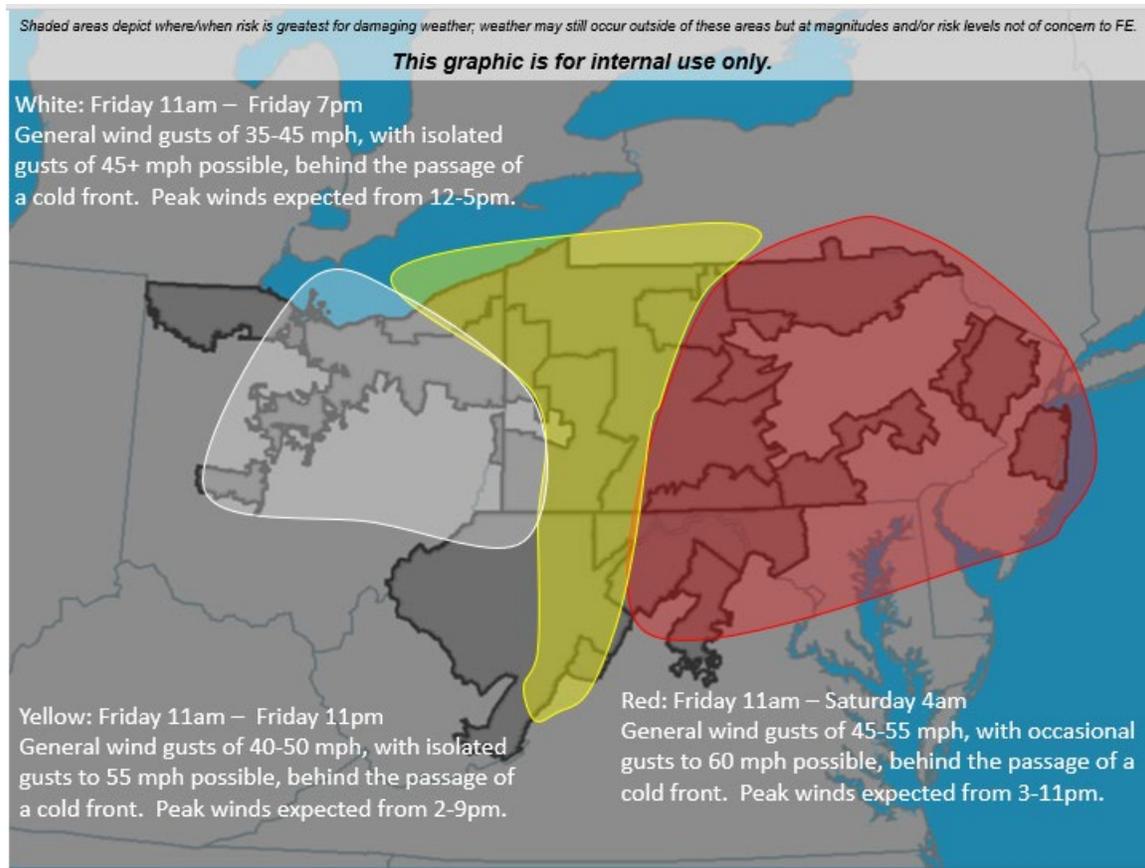
Rest of Thursday: Removed areas slightly higher risk across OH, PA and WV—but added an area of slightly higher risk across eastern PA and NJ for later this evening given how things look this afternoon.

Friday: Expanded the alert area for strong wind gusts, and generally increased the wind gusts potential. This is particularly of interest in the eastern half of FE, where a period of gusts as high as 60 mph appears possible Friday afternoon and evening. Also adjusted timing...areas may see wind gusts begin to exceed 40 mph as early as 10 or 11am Friday morning. *There is additional concern regarding the impact of Friday's wind gusts, given the generally wet soils and the fact that leaves have begun budding on trees--this could work to increase the impact of this particular wind event.*

See updated graphics below for further information.



Penelec Storm Report



**Friday April 30, 2021 at 0831**

**Update:**

No major changes to the forecast this morning. Expect wind gusts to increase throughout the morning across a large portion of FE. Very strong local wind gusts, perhaps reaching 60 mph, are possible across areas of central/eastern PA and NJ late this afternoon and evening. These areas will also see a rather long timeframe—10-14 hours—where 45+ mph wind gusts are expected.

See graphic below for further information.

