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January 15, 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 January 1, 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,



Teresa K. Harrold

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 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:

 January 2, 2021
(Date)

 0006
(Time)

5. Interruption or Outage:

(a) Number of customers affected: 11,873 (Represents 2% 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	1,290	24	17
Blair	237	23	16
Bradford	42	4	3
Cambria	1,430	23	19
Centre	35	1	0
Clarion	9	1	0
Clearfield	2,339	6	6
Cumberland	3	1	1
Erie	366	13	13
Huntingdon	278	8	2
Indiana	290	6	5
Jefferson	28	3	5
Juniata	6	1	0
Mifflin	1,356	16	5
Somerset	1,723	36	24
Sullivan	671	5	3
Susquehanna	544	13	3
Tioga	1,003	12	5
Warren	1	1	4
Wayne	215	9	4
Westmoreland	1	1	2
Wyoming	6	2	0
Total	11,873	209	137

- (d) Approximate number of outage cases exceeding 6 or more hours in duration: 100
- (e) A listing of each outage case exceeding 6 or more hours in duration: See Attachment A.
- (f) Reason for the interruption or outages: On January 1, 2021, a system moved through Pennsylvania, including the Penelec service territory. This system produced freezing rain and ice accumulations of up to 0.66 inches.

Damage as a result of the ice accumulation included downed trees and power lines, damaged and broken poles, transformers, crossarms and cutouts. The hardest hit areas were the Altoona, Towanda, Johnstown, Clearfield and Lewistown regions. Poor road conditions slowed travel and resulted in extended restoration periods.

Approximately 61% of the total outages that occurred in the Penelec service territory were ice and tree-related. See Attachment B for the ice and precipitation reports for January 1, 2021.

Preliminary data indicates the reliability impact of the storm was 5.6 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 272.25 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 2300 on January 2, 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
Penelec	103	Line Workers
Subtotal	103	
Henkels & McCoy	9	Line Contractor
Subtotal	9	
Asplundh Tree Expert	2	Forestry Contractor
Davey Tree	5	Forestry Contractor
Penn Line Service	20	Forestry Contractor
TreeSmiths	5	Forestry Contractor
Subtotal	32	
Penelec	4	Hazard Responders /Damage Assessors
Subtotal	4	
Penelec	11	Supporting Roles
Subtotal	11	
Grand Total	159	

- (i) The date and time of the first information of a service interruption: January 1, 2021 at 1553
- (j) The date and time that repair crews were assembled: Crews were on-site at the onset of the storm.

- (k) The actual time that service was restored to the last affected customer: January 3, 2021 at 2315. Additionally, Penelec was able to restore 72.5% of the impacted customers within 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	80
Secondary Spans Replaced	63
Crossarms Replaced	30
Cutouts Replaced	43
Poles Replaced	18
Transformers Replaced	17
Wire & Cable Replaced (feet)	1,049

- (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 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 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
11445143-4	Blair	2	3,163	01/01/2021 1832	01/03/2021 2315
11445143-4	Blair	5	3,163	01/01/2021 1832	01/03/2021 2315
11445239-2	Bedford	15	2,775	01/01/2021 1926	01/03/2021 1741
11445554-3	Bedford	26	2,761	01/01/2021 2237	01/03/2021 2038
11444971-3	Cambria	5	2,756	01/01/2021 1557	01/03/2021 1353
11445114-2	Mifflin	1	2,490	01/01/2021 1827	01/03/2021 1157
11445132-2	Blair	1	2,474	01/01/2021 1836	01/03/2021 1150
11445221-2	Huntingdon	11	2,331	01/01/2021 1921	01/03/2021 1012
11445147-2	Bedford	3	1,878	01/01/2021 1842	01/03/2021 0200
11445116-2	Blair	14	1,774	01/01/2021 1828	01/03/2021 0002
11445930-1	Mifflin	1	1,707	01/02/2021 0953	01/03/2021 1420
11445255-2	Bedford	33	1,680	01/01/2021 1944	01/02/2021 2344
11445099-1	Blair	2	1,620	01/01/2021 1819	01/02/2021 2119
11445022-1	Mifflin	22	1,591	01/01/2021 1736	01/02/2021 2007
11445249-1	Bedford	1	1,544	01/01/2021 1938	01/02/2021 2122
11445107-1	Somerset	1	1,419	01/01/2021 1821	01/02/2021 1800
11445157-1	Blair	18	1,308	01/01/2021 1841	01/02/2021 1629
11445416-1	Bedford	2	1,308	01/01/2021 2057	01/02/2021 1845
11445256-1	Bedford	20	1,296	01/01/2021 1944	01/02/2021 1720
11445157-1	Blair	4	1,261	01/01/2021 1925	01/02/2021 1626
11446466-1	Wayne	25	1,227	01/02/2021 0713	01/03/2021 0340
11446196-1	Mifflin	1	1,205	01/01/2021 2335	01/02/2021 1940
11446196-1	Mifflin	3	1,139	01/01/2021 2335	01/02/2021 1834
11444975-2	Somerset	1	1,110	01/01/2021 1617	01/02/2021 1047
11445262-2	Blair	2	1,093	01/01/2021 1952	01/02/2021 1405
11445106-2	Somerset	2	1,064	01/01/2021 1821	01/02/2021 1205
11445679-1	Somerset	1	1,002	01/01/2021 1823	01/02/2021 1105
11445673-2	Wayne	30	993	01/02/2021 0144	01/02/2021 1817
11445228-1	Bedford	10	979	01/01/2021 1926	01/02/2021 1145
11445157-2	Blair	14	966	01/02/2021 0020	01/02/2021 1626
11445698-2	Wayne	90	934	01/02/2021 0043	01/02/2021 1617

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.

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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
11445062-1	Somerset	1	925	01/01/2021 1802	01/02/2021 0927
11445416-1	Bedford	6	896	01/01/2021 2057	01/02/2021 1153
11445120-2	Somerset	1	884	01/01/2021 1828	01/02/2021 0912
11446033-1	Huntingdon	4	878	01/01/2021 2157	01/02/2021 1235
11445015-1	Cambria	2	849	01/01/2021 1726	01/02/2021 0735
11445814-1	Mifflin	2	831	01/02/2021 0654	01/02/2021 2045
11445476-1	Susquehanna	101	821	01/01/2021 2115	01/02/2021 1056
11445399-1	Cambria	45	809	01/01/2021 2044	01/02/2021 1013
11445531-1	Sullivan	25	797	01/01/2021 2215	01/02/2021 1132
11445221-1	Huntingdon	211	794	01/01/2021 1921	01/02/2021 0835
11445089-1	Cambria	2	792	01/01/2021 1813	01/02/2021 0725
11445416-1	Bedford	628	775	01/01/2021 2057	01/02/2021 0952
11445088-1	Somerset	2	764	01/01/2021 1813	01/02/2021 0657
11445824-1	Bedford	49	762	01/01/2021 2018	01/02/2021 0900
11445098-1	Somerset	1	753	01/01/2021 1817	01/02/2021 0650
11445032-2	Blair	8	752	01/01/2021 1738	01/02/2021 0610
11445842-1	Susquehanna	40	749	01/02/2021 0133	01/02/2021 1402
11445416-1	Bedford	398	747	01/01/2021 2057	01/02/2021 0924
11445183-1	Somerset	5	746	01/01/2021 1854	01/02/2021 0720
11445680-2	Wayne	13	743	01/02/2021 0153	01/02/2021 1416
11445599-1	Susquehanna	143	738	01/01/2021 2335	01/02/2021 1153
11445543-1	Somerset	4	732	01/01/2021 1758	01/02/2021 0610
11445870-1	Somerset	4	724	01/02/2021 0506	01/02/2021 1710
11445011-2	Somerset	4	717	01/01/2021 1721	01/02/2021 0518
11445543-1	Somerset	18	701	01/01/2021 1758	01/02/2021 0539
11445055-1	Westmoreland	1	699	01/01/2021 1757	01/02/2021 0536
11445007-2	Indiana	14	695	01/01/2021 1717	01/02/2021 0452
11445064-1	Mifflin	6	694	01/01/2021 1803	01/02/2021 0537
11445535-1	Cambria	4	688	01/01/2021 1819	01/02/2021 0547
11445745-1	Sullivan	47	677	01/01/2021 2232	01/02/2021 0949
11445508-1	Cambria	15	677	01/01/2021 1913	01/02/2021 0630
11445001-2	Indiana	10	646	01/01/2021 1648	01/02/2021 0334
11445575-1	Huntingdon	32	646	01/01/2021 2304	01/02/2021 0950
11445599-1	Susquehanna	14	638	01/02/2021 0115	01/02/2021 1153
11445676-1	Susquehanna	12	614	01/02/2021 0142	01/02/2021 1156
11445676-1	Susquehanna	11	608	01/02/2021 0142	01/02/2021 1150

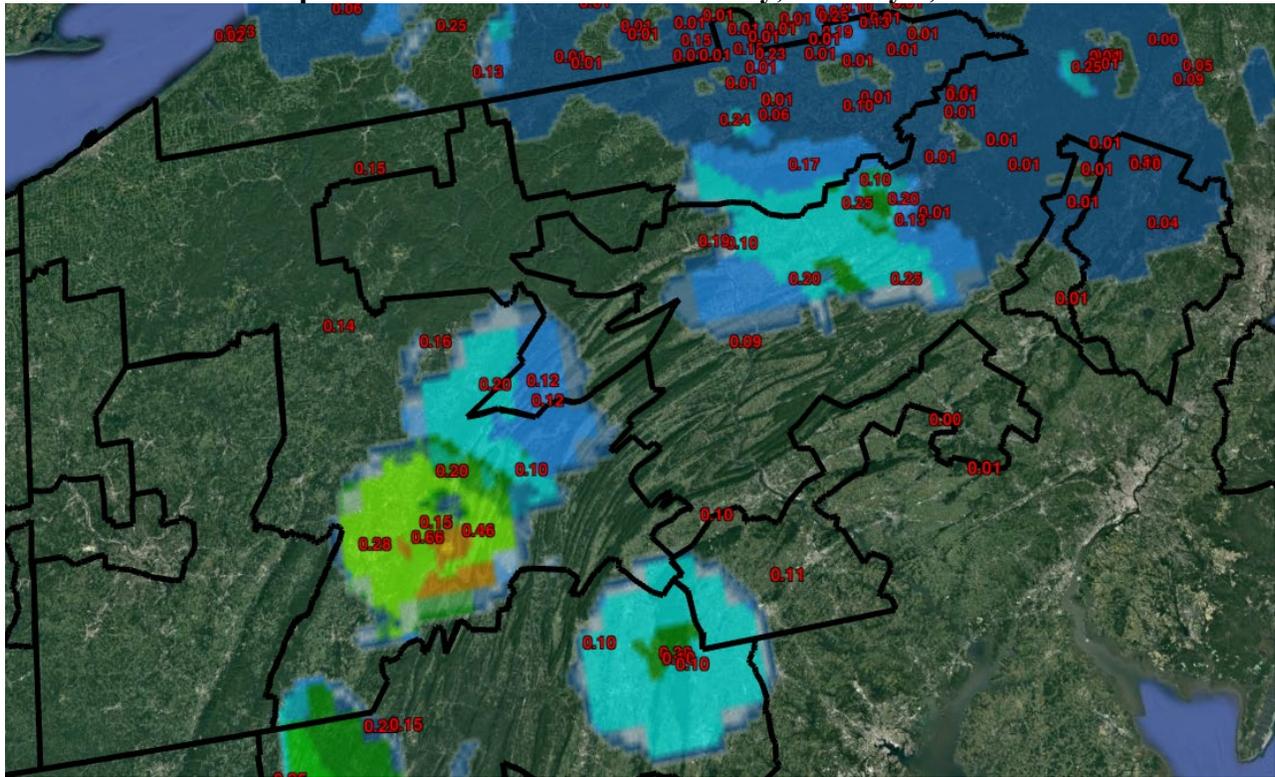
Penelec Storm Report

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
11445238-1	Bedford	43	602	01/01/2021 1928	01/02/2021 0530
11445128-1	Somerset	64	561	01/01/2021 1832	01/02/2021 0353
11445038-1	Mifflin	17	549	01/01/2021 1746	01/02/2021 0255
11446217-2	Bedford	6	537	01/02/2021 1302	01/02/2021 2159
11445918-1	Wayne	7	527	01/02/2021 0905	01/02/2021 1752
11445292-1	Tioga	90	522	01/01/2021 2003	01/02/2021 0445
11445290-1	Tioga	175	522	01/01/2021 2003	01/02/2021 0445
11445845-1	Bedford	5	517	01/02/2021 0119	01/02/2021 0956
11445304-2	Tioga	1	511	01/01/2021 2019	01/02/2021 0450
11445756-1	Susquehanna	7	511	01/02/2021 0459	01/02/2021 1330
11445290-1	Tioga	88	507	01/01/2021 2018	01/02/2021 0445
11445292-1	Tioga	332	507	01/01/2021 2018	01/02/2021 0445
11445216-1	Indiana	2	496	01/01/2021 1754	01/02/2021 0210
11445721-2	Juniata	6	496	01/02/2021 0332	01/02/2021 1148
11445729-1	Susquehanna	8	496	01/02/2021 0356	01/02/2021 1212
11445207-1	Clarion	9	494	01/01/2021 1907	01/02/2021 0321
11445857-1	Wayne	24	484	01/02/2021 0801	01/02/2021 1605
11445715-1	Susquehanna	57	470	01/02/2021 0323	01/02/2021 1113
11445828-2	Blair	1	469	01/02/2021 1521	01/02/2021 2310
11445119-1	Jefferson	5	466	01/01/2021 1830	01/02/2021 0216
11446034-1	Wayne	23	439	01/02/2021 1036	01/02/2021 1755
11446405-1	Bedford	1	435	01/02/2021 1845	01/03/2021 0200
11445982-1	Wayne	2	431	01/02/2021 0949	01/02/2021 1700
11445114-1	Mifflin	2	431	01/01/2021 1827	01/02/2021 0138
11445318-1	Blair	4	426	01/01/2021 2024	01/02/2021 0330
11445021-1	Somerset	1	425	01/01/2021 1733	01/02/2021 0038
11445623-1	Cambria	7	421	01/01/2021 2044	01/02/2021 0345
11445434-1	Cambria	1	411	01/01/2021 2108	01/02/2021 0359
11445087-1	Somerset	3	403	01/01/2021 1812	01/02/2021 0055
11446230-1	Mifflin	4	384	01/02/2021 1241	01/02/2021 1905
11445797-1	Erie	6	376	01/02/2021 0610	01/02/2021 1226
11445550-1	Sullivan	14	364	01/01/2021 2241	01/02/2021 0445
11445084-1	Somerset	2	364	01/01/2021 1810	01/02/2021 0014

Attachment B: FirstEnergy Precipitation and Wind Reports

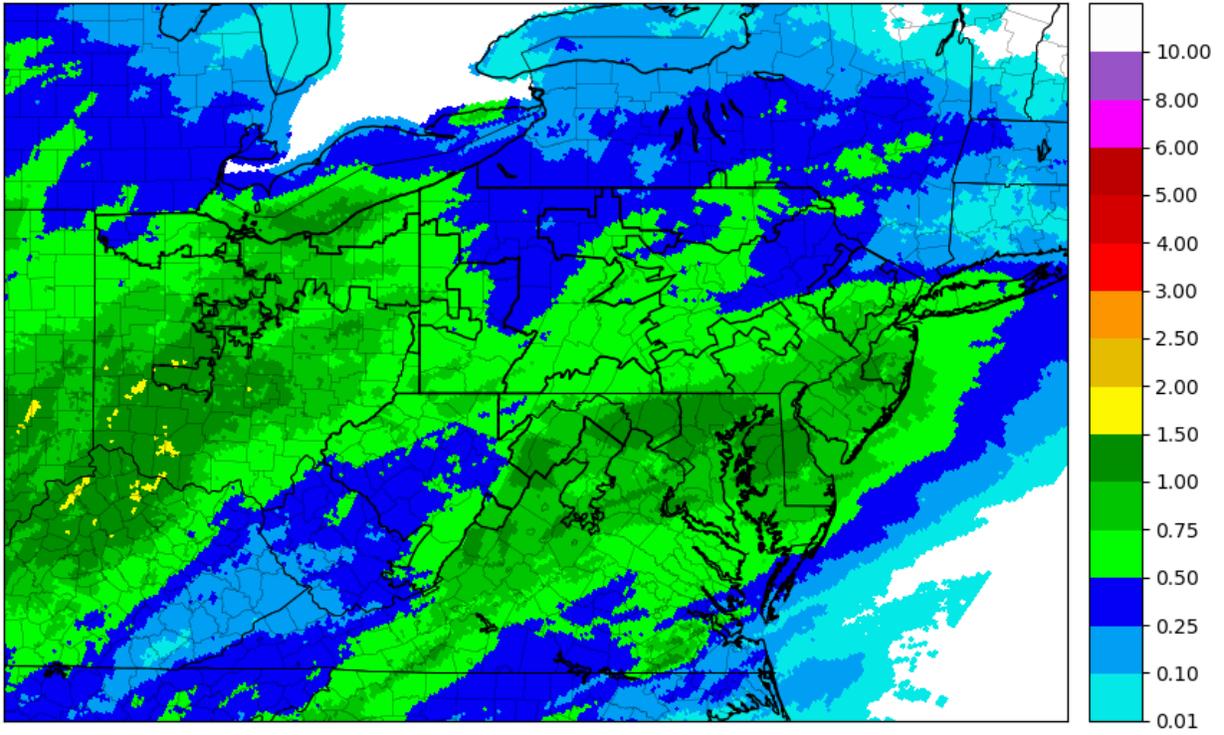
Precipitation and Wind Reports: Graphic 1 illustrates the ice accumulations in the Penelec service territory on January 1, 2021. Graphic 2 illustrates the precipitation on January 1, 2021. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

Graphic 1 – Ice Accumulations: Friday, January 1, 2021

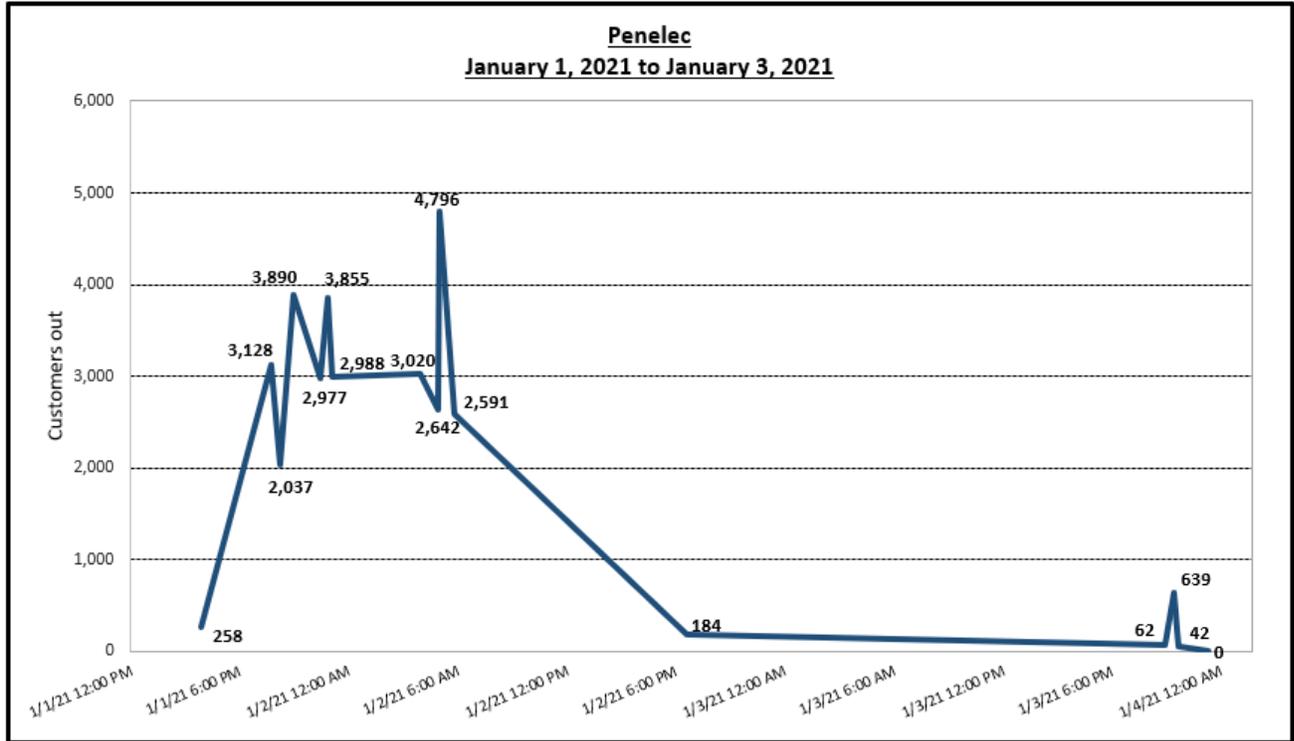


Graphic 2 – Precipitation: Friday, January 1, 2021

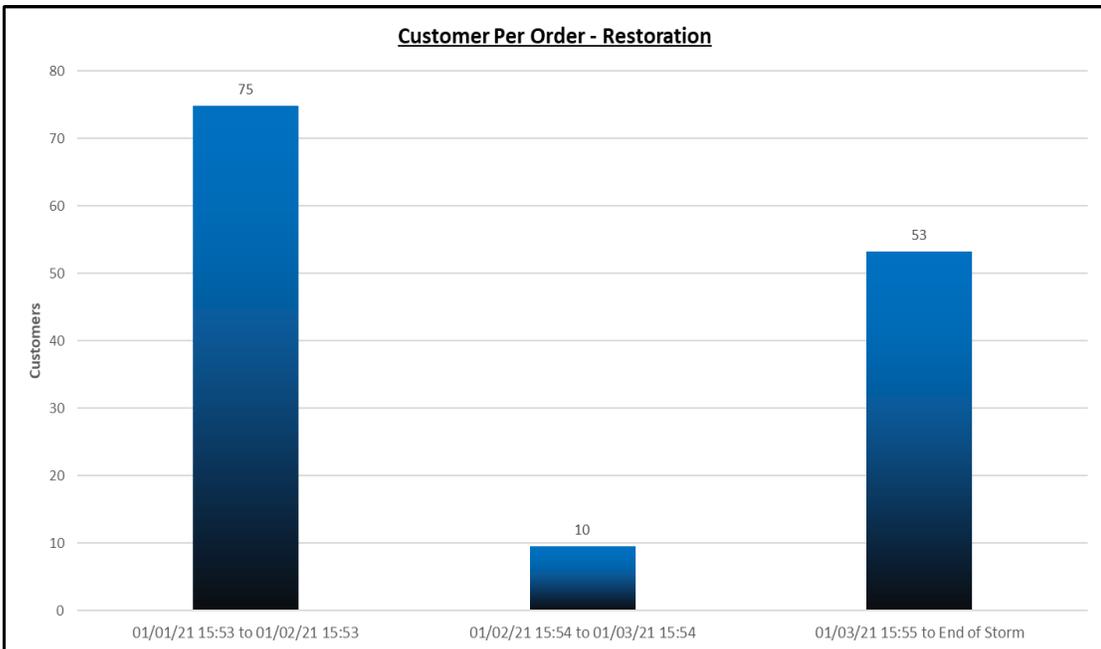
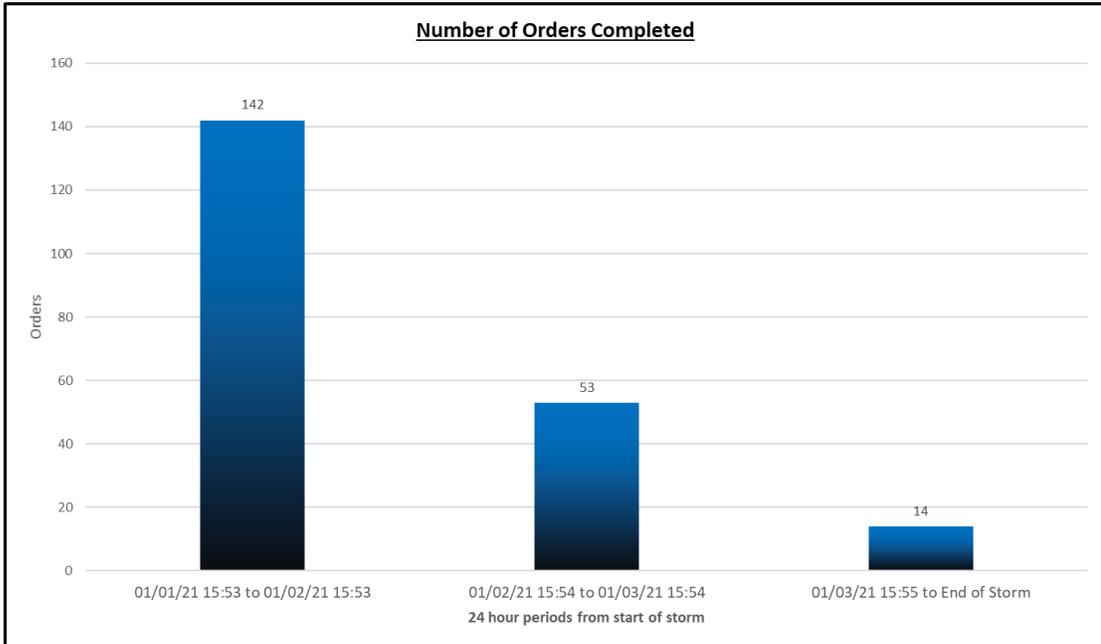
24 Hour Total Precipitation (Liquid Equivalent) for 01 Jan 21 from NOAA Stage 4



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: FirstEnergy Meteorologist Reports

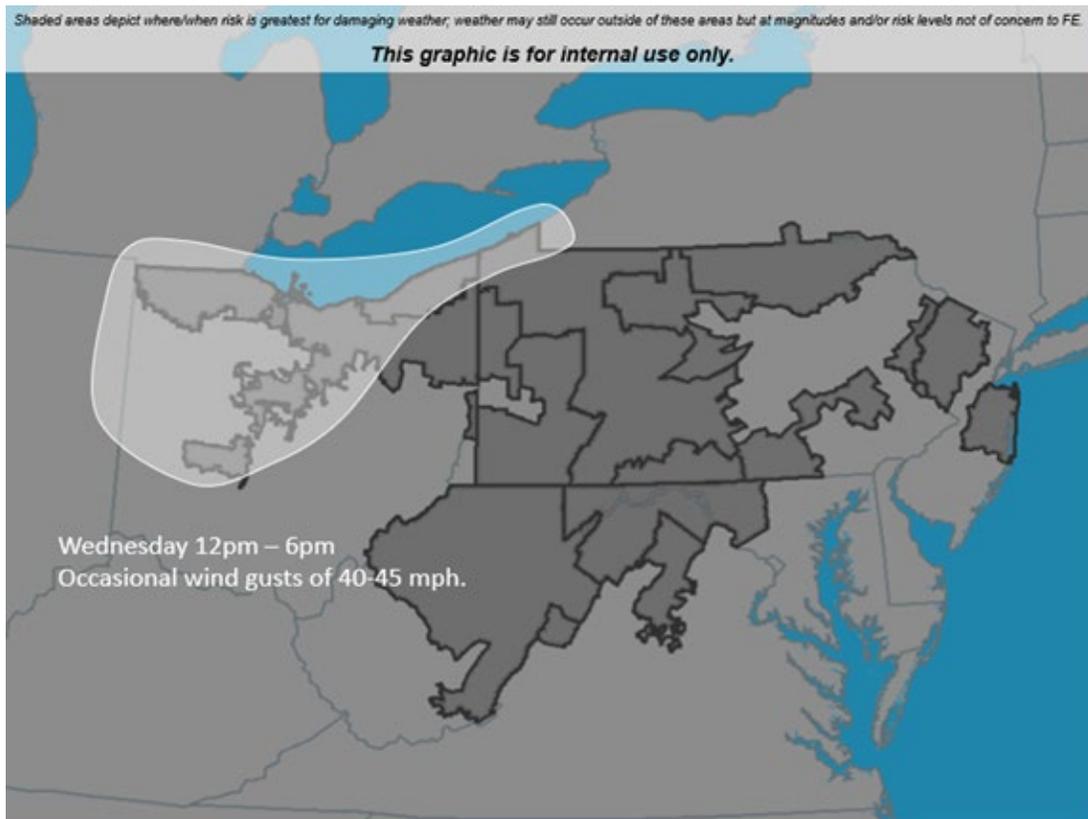
Wednesday, December 30, 2020 at 0845

New Issuance:

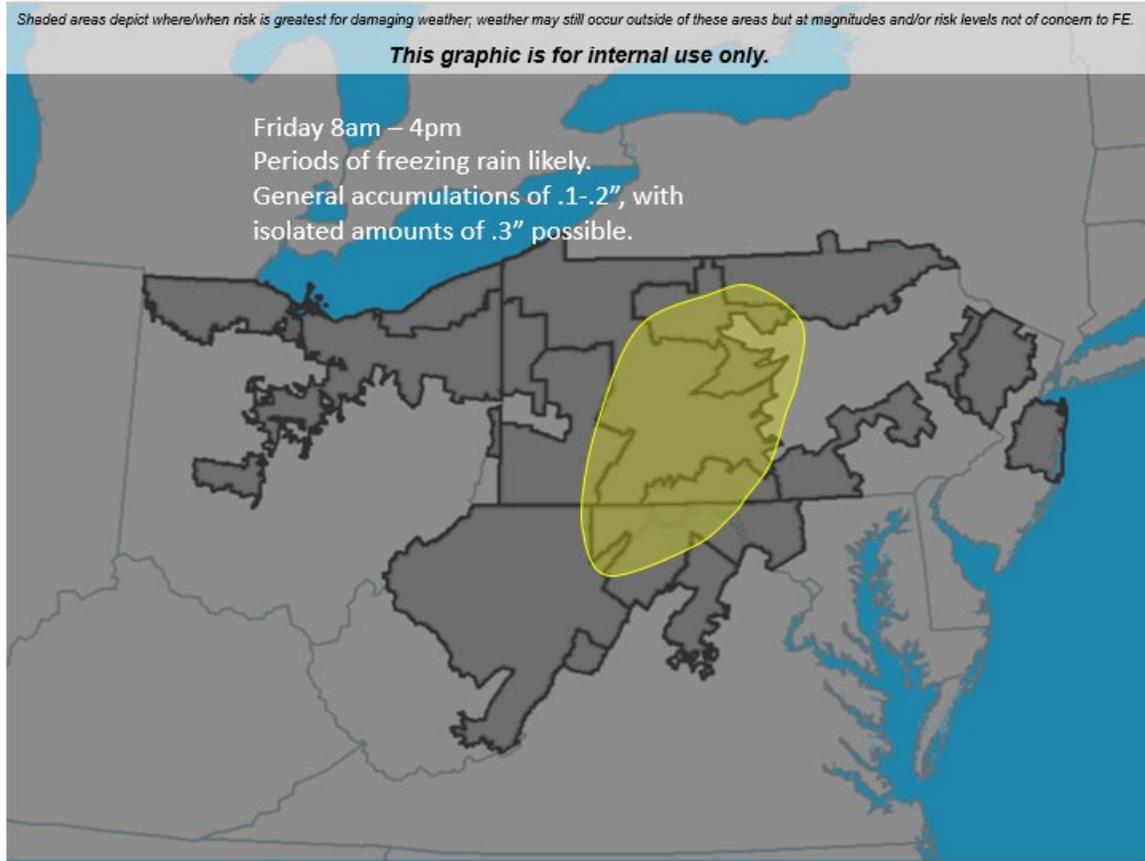
Adding two new forecasts this morning:

- 1) Wednesday: a few gusts of 40+ mph are possible across Ohio and northwest Pennsylvania this afternoon, particularly in areas of heavier rain showers.
- 2) Friday: A large system will bring the potential for accumulating ice during the day across portions of Maryland, West Virginia and central Pennsylvania. While ice accumulations are a bit fuzzy at this point, some areas receiving greater than .25" of ice by Friday afternoon does seem possible. Ice accumulations will be updated over the next 24-36 hours as the threat becomes more clear.

See graphics below for further information.



Penelec Storm Report

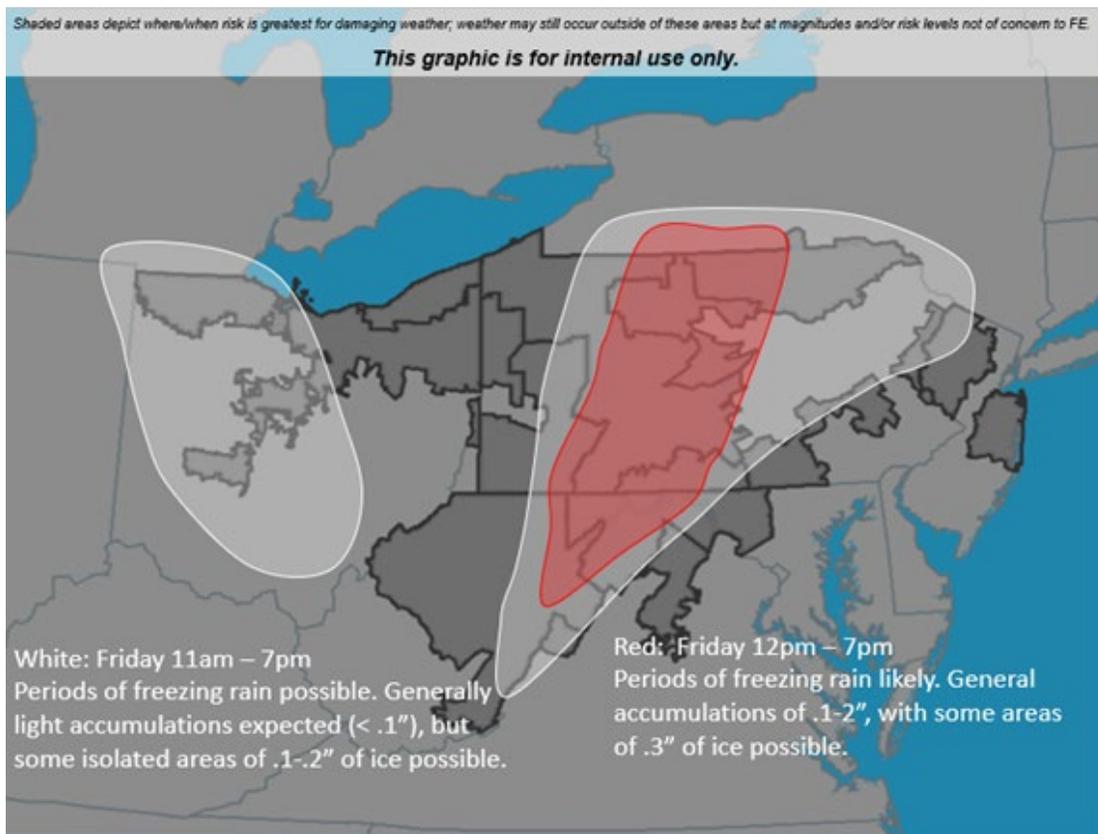


Thursday, December 31, 2020 at 0848

Update:

- 1) Generally expanded the possibility for accumulating ice into areas of Ohio, West Virginia and New Jersey - although ice accumulations are expected to be minor in these areas.
- 2) Clarified areas at risk of higher ice accumulations--areas of western Maryland, northeast West Virginia and central Pennsylvania could see a brief period of over .25" of ice accumulation Friday afternoon.
- 3) All areas of freezing rain/sleet will turn eventually warm and turn over to general rain late Friday, which should help accelerate the melting of any accumulated ice.
- 4) Winds will be light (<15 mph) during any icing, but may pick up slightly (20-25 mph) as temperatures warm up and general rain moves through.

See graphic below for further information.



Friday, January 1, 2021 at 0923

Update:

Only small changes this morning—with the main change being a slight increase in the amount of ice possible across southern PA and western MD this afternoon.

See graphic below for further information.

Last Scheduled Update

