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March 22, 2023

**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 March 6, 2023 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: 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:

March 7, 2023                                      0434  
*(Date)*    *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 9,402 (Represents 1.6% 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	1	5
Blair	247	1	18
Bradford	13	1	16
Cambria	31	7	34
Centre	1	1	1
Clarion	4	2	16
Clearfield	1	1	5
Crawford	1	1	1
Cumberland	1092	17	79
Erie	77	4	17
Forest	621	21	14
Franklin	1434	24	31
Huntingdon	440	5	4
Indiana	906	4	5
Jefferson	12	4	16
Lycoming	58	2	3
McKean	169	1	17
Mifflin	354	11	14
Perry	23	2	3
Potter	3605	76	108
Somerset	8	1	3
Sullivan	219	1	5
Susquehanna	85	4	2
<b>Total</b>	<b>9,402</b>	<b>192</b>	<b>417</b>

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 92

(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 Monday afternoon, March 6, 2023, a winter weather system moved through the northern part of the Penelec service territory resulting in more than 10 inches of heavy wet snow in some areas. This caused downed trees and wires, broken poles, and damaged equipment. See Attachment B for the 24-hour total precipitation for March 6, 2023 and March 7, 2023.

Damage as a result of the heavy snow included downed trees/power lines, damaged and broken poles/crossarms, and damaged equipment. Towanda and Warren districts were the hardest hit areas. Approximately 52% of the total outages that occurred were tree

related.

Preliminary data indicate the reliability impact of the storm was 6.8 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 419.88 minutes.

- (g) Projected time of restoration: It was estimated that the majority of customers would be restored by 1500 on March 8, 2023.

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:

<b>Company</b>	<b># of Workers</b>	<b>General Function</b>
Penelec	55	Line Workers
<b>Subtotal</b>	<b>55</b>	<b>Line Workers</b>
Davey Tree	22	Forestry Contractor
<b>Subtotal</b>	<b>22</b>	<b>Forestry Contractor</b>
Henkel's & McCoy	8	Line Contractor
<b>Subtotal</b>	<b>8</b>	<b>Line Contractor</b>
Penelec	3	Forestry Supporting Roles
Penelec	37	Supporting Roles
<b>Subtotal</b>	<b>40</b>	<b>Supporting Roles</b>
<b>Grand Total</b>	<b>125</b>	

- (i) The date and time of the first information of a service interruption: March 6, 2023 at 1406.
- (j) The date and time that repair crews were assembled: March 6, 2023 at 1406
- (k) The actual time that service was restored to the last affected customer: March 8, 2023 at 1307.
- (l) A general description of the physical damage sustained by the utility facilities as a result of the interruption/outage:

<b>Equipment</b>	<b>Number</b>
Crossarms Replaced	22
Cutouts Replaced	15
Poles Replaced	4

Transformers Replaced	4
Wire & Cable Replaced (feet)	890
Primary Spans Down	58
Secondary Spans Replaced	28

(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 information<sup>1</sup>:**

<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>
309948	Warren	2	1,521	3/7/23 9:34	3/8/23 10:55
309400	Warren	14	1,440	3/6/23 20:49	3/7/23 20:49
312772	Warren	1	1,427	3/7/23 4:13	3/8/23 4:00
308890	Mckean	6	1,385	3/6/23 19:43	3/7/23 18:48
308892	Mckean	54	1,343	3/6/23 19:46	3/7/23 18:09
310522	Mckean	51	1,343	3/6/23 21:07	3/7/23 19:30
309023	Warren	80	1,296	3/6/23 21:24	3/7/23 19:00
309023	Warren	7	1,289	3/6/23 21:24	3/7/23 18:53
310927	Warren	8	1,242	3/7/23 14:49	3/8/23 11:31
309769	Warren	2	1,222	3/7/23 8:04	3/8/23 4:26
309048	Warren	54	1,214	3/6/23 21:43	3/7/23 17:57
309035	Warren	28	1,196	3/6/23 21:29	3/7/23 17:25
309123	Warren	34	1,196	3/6/23 21:29	3/7/23 17:25
312461	Tioga	1	1,161	3/7/23 17:31	3/8/23 12:52
309532	Warren	18	1,159	3/6/23 23:00	3/7/23 18:19
309058	Warren	43	1,152	3/6/23 21:53	3/7/23 17:05
310243	Lycoming	3	1,127	3/7/23 0:03	3/7/23 18:50
308876	Mckean	64	1,116	3/6/23 19:32	3/7/23 14:08
309268	Warren	1	1,111	3/6/23 21:27	3/7/23 15:58
309268	Warren	1	1,111	3/6/23 21:27	3/7/23 15:58
308876	Mckean	16	1,103	3/6/23 19:32	3/7/23 13:55
309012	Warren	11	1,091	3/6/23 21:17	3/7/23 15:28
311257	Lycoming	9	1,090	3/7/23 0:27	3/7/23 18:37
309008	Warren	66	1,089	3/6/23 21:12	3/7/23 15:21
309463	Warren	15	1,074	3/6/23 23:30	3/7/23 17:24
309388	Warren	137	1,058	3/7/23 1:10	3/7/23 18:48
310819	Warren	13	1,044	3/7/23 14:21	3/8/23 7:45
309134	Warren	4	1,043	3/6/23 22:30	3/7/23 15:53
309577	Warren	53	1,037	3/7/23 5:33	3/7/23 22:50
309969	Lycoming	2	1,017	3/7/23 9:48	3/8/23 2:45
310244	Lycoming	1	1,016	3/7/23 0:20	3/7/23 17:16

<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
309256	Erie	10	1,011	3/6/23 22:49	3/7/23 15:40
309167	Warren	3	981	3/6/23 22:41	3/7/23 15:02
309063	Warren	27	973	3/6/23 20:49	3/7/23 13:02
310402	Warren	1	955	3/7/23 12:35	3/8/23 4:30
309075	Mckean	18	941	3/6/23 22:04	3/7/23 13:45
309213	Mckean	1	933	3/6/23 23:05	3/7/23 14:38
309187	Mckean	7	908	3/6/23 22:52	3/7/23 14:00
310202	Warren	35	906	3/6/23 21:54	3/7/23 13:00
310249	Mckean	181	850	3/6/23 22:29	3/7/23 12:39
310294	Lycoming	73	850	3/7/23 0:27	3/7/23 14:37
309044	Warren	3	848	3/6/23 21:37	3/7/23 11:45
309722	Warren	1	839	3/7/23 7:31	3/7/23 21:30
309897	Warren	18	825	3/6/23 23:11	3/7/23 12:56
313187	Lycoming	2	817	3/7/23 19:53	3/8/23 9:30
309063	Warren	125	807	3/6/23 20:49	3/7/23 10:16
309060	Warren	27	805	3/6/23 21:54	3/7/23 11:19
312194	Somerset	1	805	3/7/23 15:15	3/8/23 4:40
310317	Mckean	1	799	3/7/23 3:16	3/7/23 16:35
312069	Warren	1	789	3/7/23 13:36	3/8/23 2:45
310434	Warren	1	783	3/6/23 21:57	3/7/23 11:00
309374	Sullivan	57	730	3/7/23 0:05	3/7/23 12:15
309502	Warren	165	727	3/6/23 20:49	3/7/23 8:56
309639	Warren	19	720	3/7/23 6:38	3/7/23 18:38
310667	Lycoming	3	718	3/7/23 13:44	3/8/23 1:42
309063	Warren	75	709	3/6/23 20:49	3/7/23 8:38
309309	Potter	463	699	3/7/23 0:04	3/7/23 11:43
309324	Potter	283	699	3/7/23 0:04	3/7/23 11:43
309330	Potter	159	699	3/7/23 0:04	3/7/23 11:43
310871	Warren	7	698	3/7/23 14:32	3/8/23 2:10
309307	Lycoming	478	694	3/7/23 0:20	3/7/23 11:54
309624	Lycoming	3	686	3/7/23 6:28	3/7/23 17:54
309281	Warren	8	680	3/6/23 23:36	3/7/23 10:56
309453	Lycoming	5	660	3/7/23 2:30	3/7/23 13:30
312671	Bradford	13	645	3/8/23 0:34	3/8/23 11:19
309508	Lycoming	1	644	3/7/23 6:39	3/7/23 17:23
309541	Mckean	3	637	3/7/23 4:58	3/7/23 15:35
309508	Lycoming	1	624	3/7/23 6:39	3/7/23 17:03

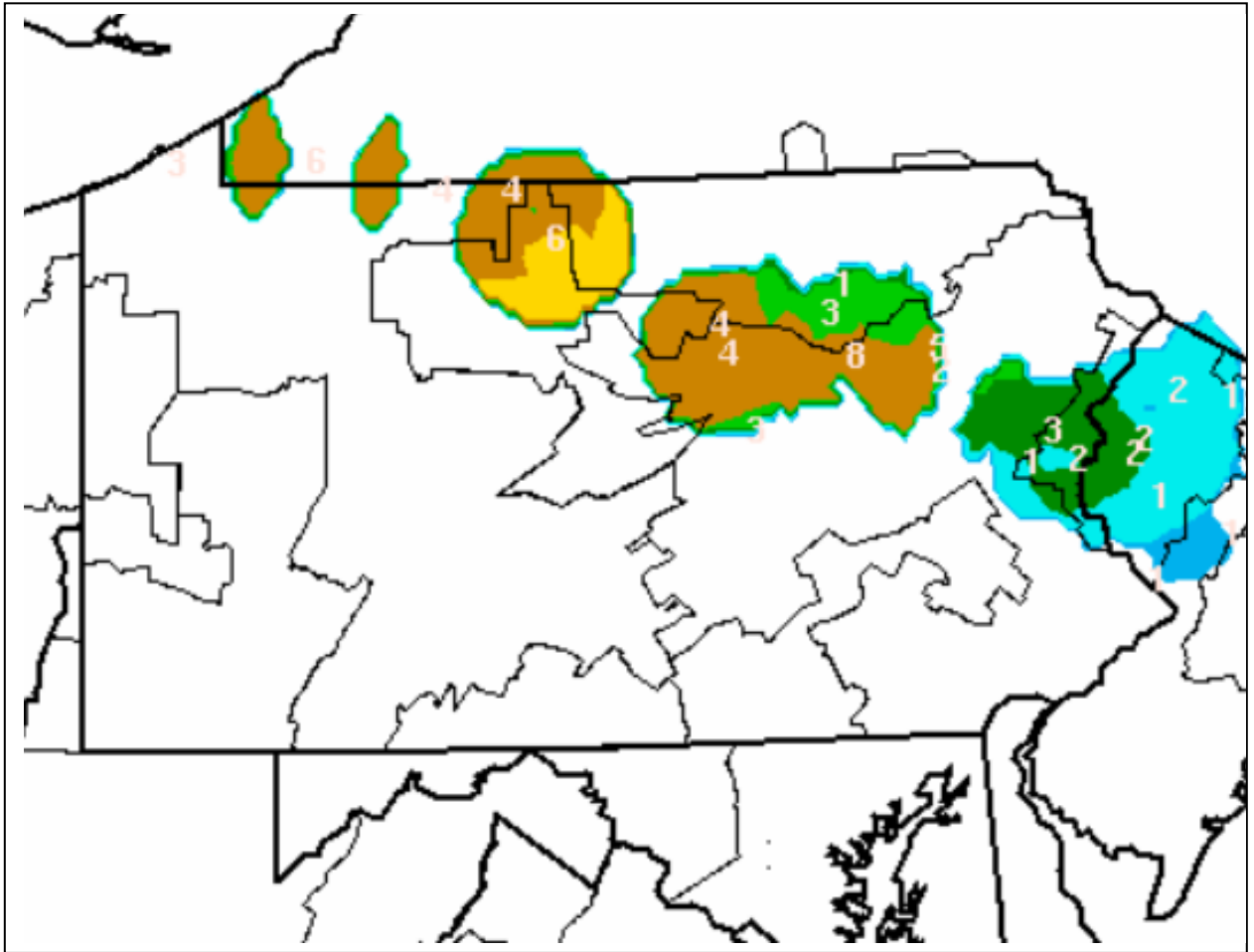
Penelec Storm Report

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
309341	Warren	36	607	3/6/23 20:15	3/7/23 6:22
310535	Lycoming	6	571	3/7/23 13:26	3/7/23 22:57
309061	Warren	35	548	3/6/23 21:57	3/7/23 7:05
309447	Tioga	26	547	3/7/23 2:19	3/7/23 11:26
309579	Tioga	44	530	3/7/23 0:10	3/7/23 9:00
310100	Mckean	4	525	3/7/23 10:44	3/7/23 19:29
309753	Mckean	9	519	3/7/23 7:56	3/7/23 16:35
309480	Warren	34	493	3/7/23 0:34	3/7/23 8:47
309786	Venango	22	493	3/7/23 5:02	3/7/23 13:15
308885	Erie	4	486	3/6/23 19:39	3/7/23 3:45
310947	Wyoming	5	485	3/7/23 14:55	3/7/23 23:00
310024	Warren	31	481	3/7/23 10:13	3/7/23 18:14
313188	Lycoming	8	476	3/8/23 4:52	3/8/23 12:48
309712	Cambria	2	473	3/7/23 7:22	3/7/23 15:15
309530	Warren	8	472	3/7/23 4:32	3/7/23 12:24
308892	Mckean	86	421	3/7/23 11:08	3/7/23 18:09
308930	Mckean	35	401	3/6/23 20:06	3/7/23 2:47
310178	Warren	4	399	3/7/23 7:06	3/7/23 13:45
310345	Lycoming	4	389	3/7/23 12:21	3/7/23 18:50
311895	Lycoming	8	381	3/7/23 12:10	3/7/23 18:31
313325	Warren	1	380	3/8/23 6:00	3/8/23 12:20
309650	Erie	1	373	3/7/23 6:43	3/7/23 12:56
309477	Mckean	2	372	3/7/23 3:16	3/7/23 9:28
309477	Mckean	227	363	3/7/23 3:25	3/7/23 9:28

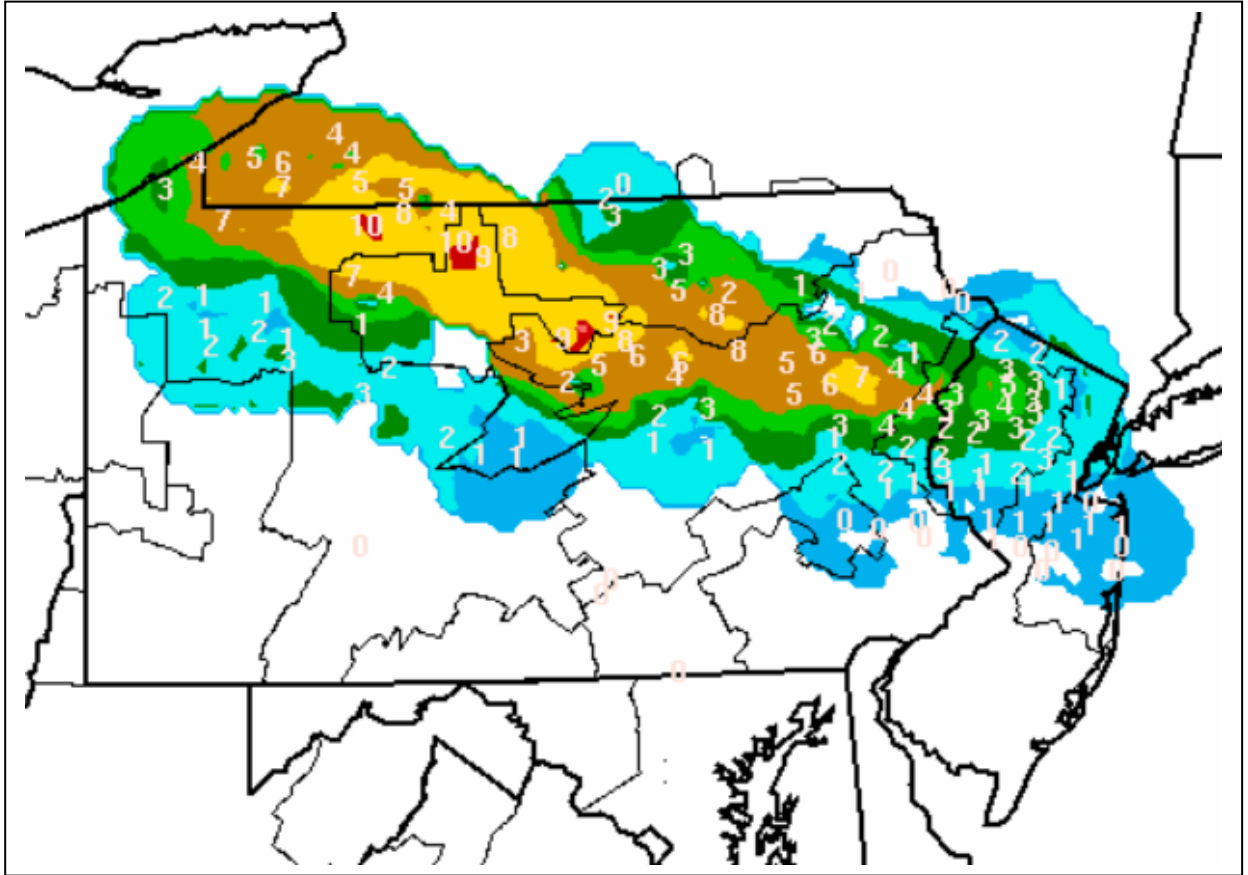
**Attachment B: Precipitation Reports**

**Wind & Precipitation Reports:** Graphics 1 and 2 illustrate the 24-Hour Total Precipitation in the Penelec service territory on March 6 and 7, 2023. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

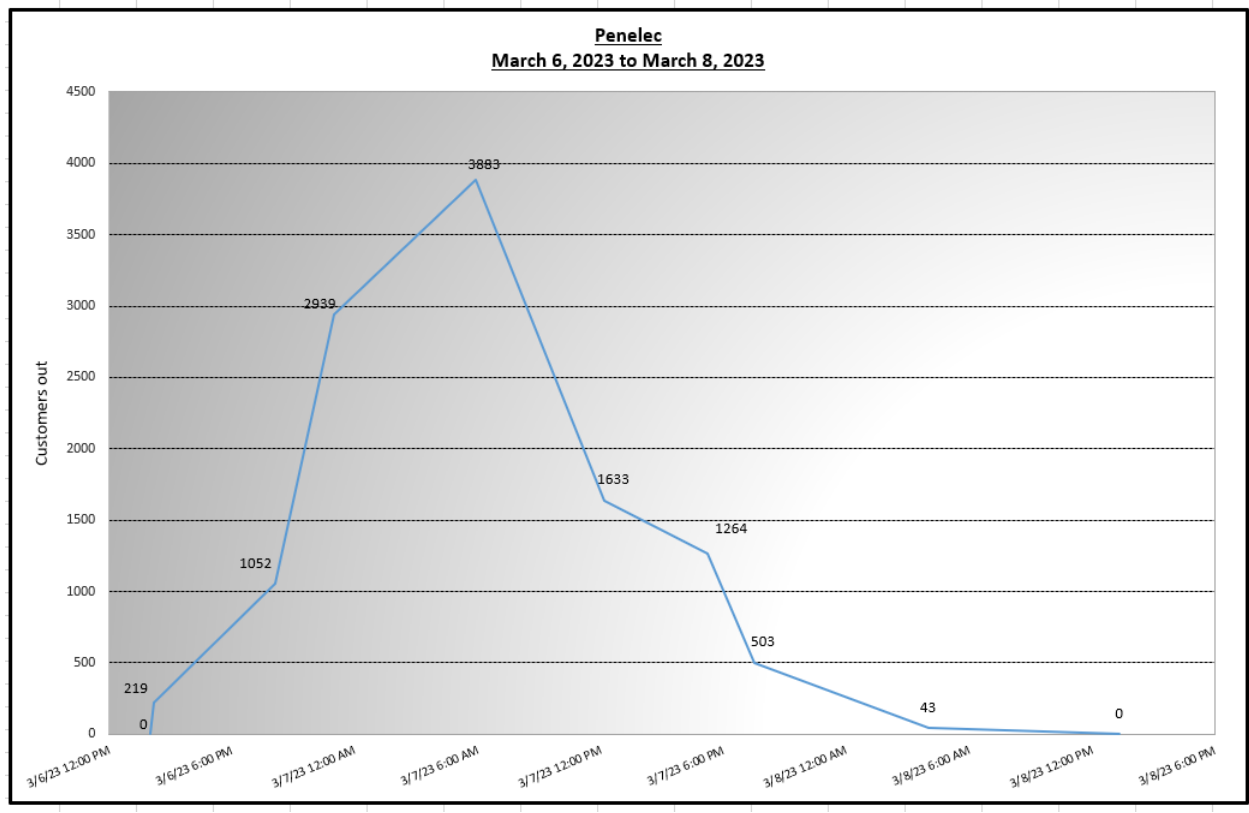
**Graphic 1: 24-Hour Total Precipitation: Monday, March 6, 2023**



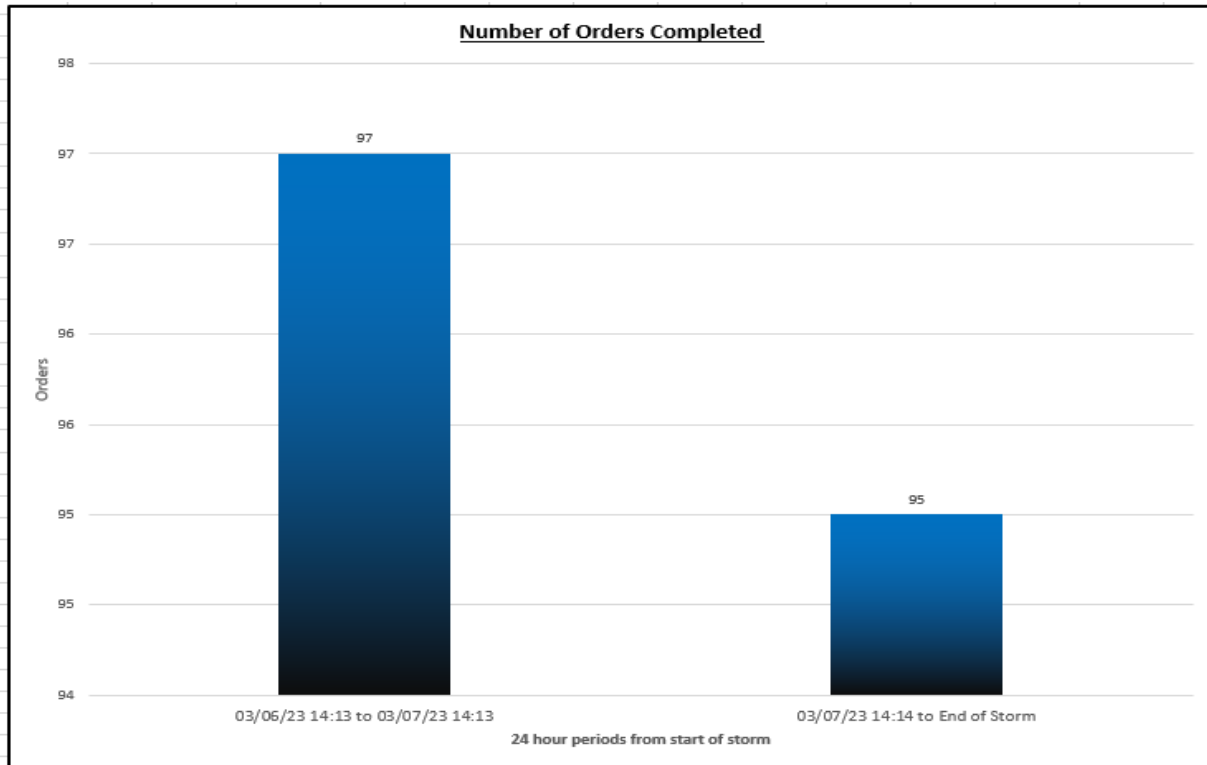
**Graphic 4: 24-Hour Total Precipitation: Tuesday, March 7, 2023**



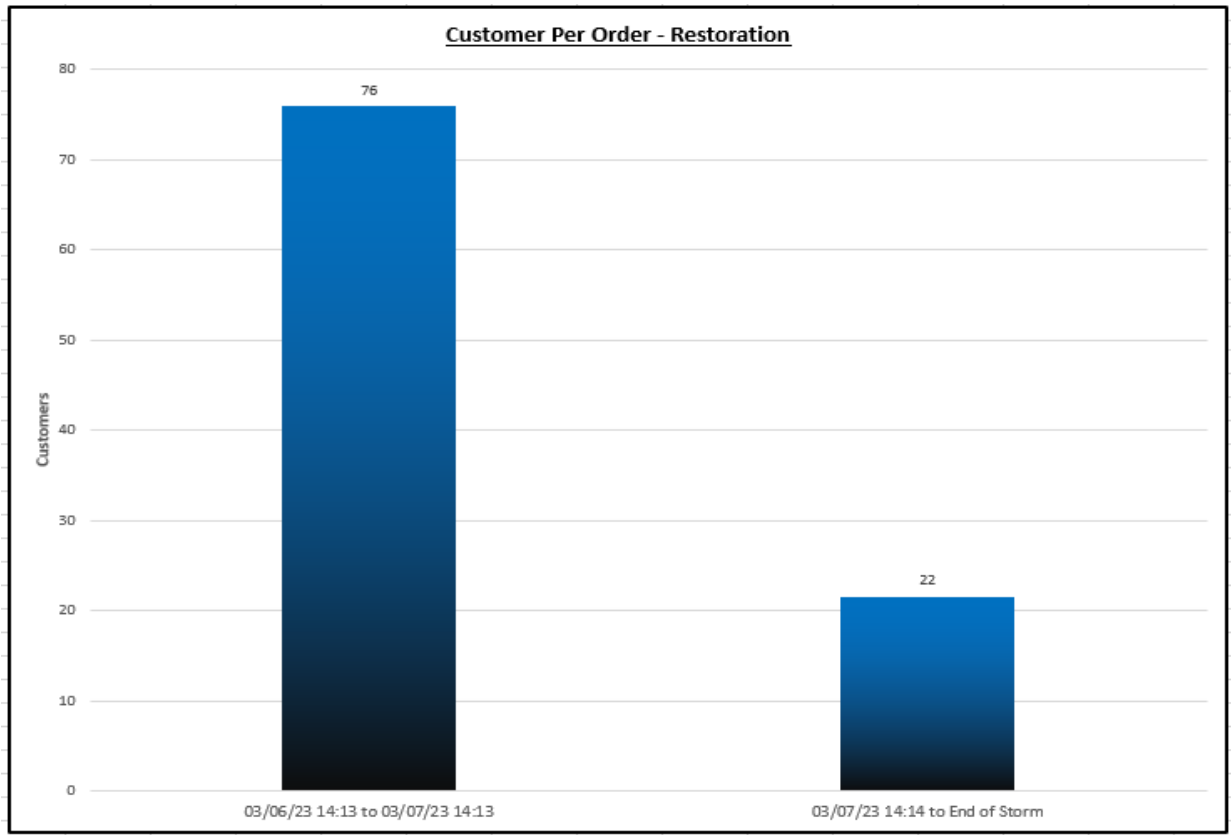
***Attachment C: Restoration Curve***



**Attachment D: Order Restoration Graphs**



Penelec Storm Report



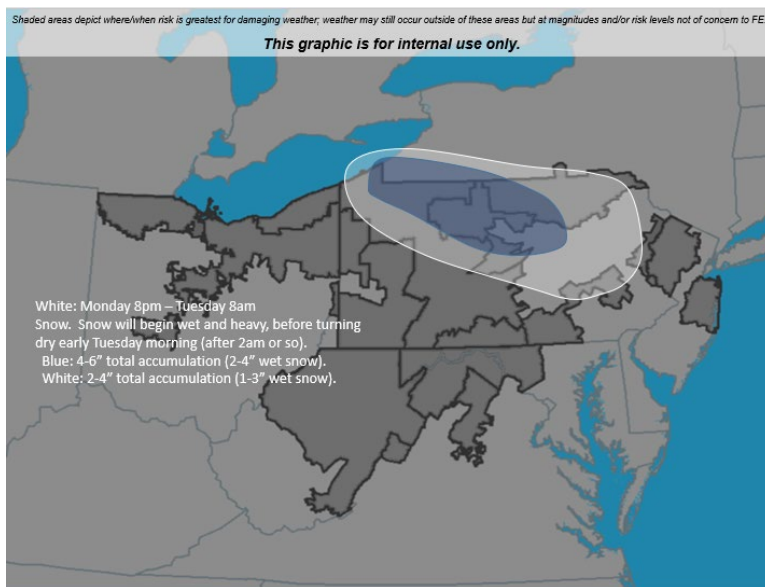
**Attachment E: Meteorologist Reports**

**Monday, March 6, 2023 @ 0914**

**New Issuance:**

A quick moving system will provide a few inches of accumulating snow across areas of northern PA Monday night into early Tuesday morning. General accumulations of 3-6” are possible. Snow will begin wet and heavy with this system, with a few inches of wet snow accumulation Monday evening before temperatures cool enough to turn the snow dry early Tuesday morning.

See graphic below for further information.



**Tuesday March 7, 2023 @ 1517**

**Update:**

Slight update this afternoon, to adjust for timing (moving snow onset earlier this evening), and therefore to increase wet snow potential. Up to 4-6" of wet heavy snow may be possible in some locations of northern PA between 6pm-12am tonight.

See graphic below for further information.

