

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

July 30, 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 July 16, 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 Company ("West Penn")
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:

July 17, 2021 2050
(Date) *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 21,144 (Represents 2.9% 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
Allegheny	1,286	18	9
Armstrong	196	14	11
Bedford	1	1	0
Butler	4,123	39	18
Cameron	5	1	1
Centre	3,672	35	16
Clarion	49	8	4
Clinton	8	3	2
Elk	608	6	5
Fayette	1,027	14	19
Franklin	361	20	10
Fulton	7	3	2
Greene	232	10	2
Indiana	1	1	0
Lycoming	186	6	1
Potter	807	6	1
Washington	4,906	60	28
Westmoreland	3,669	46	41
Total	21,144	291	170

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 105

(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 Friday afternoon, July 16, 2021, and continuing into the evening of Saturday July 17, strong thunderstorms passed through the West Penn service territory. Storm impacts continued to affect the area throughout the restoration activities during the event. West Penn experienced heavy rain and wind gusts in excess of 40-miles per hour. See Attachment B for the maximum wind speeds measured on July 16 and 17, 2021 and the 24-hour total precipitation graphics for July 16 and 17, 2021.

The West Penn service territory suffered widespread damage. Damages as a result of the rain and wind included downed trees/power lines and damaged and broken poles/crossarms. The hardest hit areas were the Butler and State College areas.

Approximately 56% of the total outages that occurred in the West Penn service territory were tree related. Some outages occurred in off-road locations, thereby extending restoration efforts.

Preliminary data indicates the reliability impact of the storm was 6.9 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 235.3 minutes.

- (g) Projected time of restoration: The estimated times of restoration for the majority of customers was 1600 on July 18, 2021, with a few isolated customers extending beyond that time.

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 Power	157	Line Workers
Subtotal	157	
Asplundh	23	Forestry Contractor
Davey	7	Forestry Contractor
Jaflo	3	Forestry Contractor
Penn Line Services	18	Forestry Contractor
Subtotal	51	
West Penn Power	60	Supporting Roles
Subtotal	60	
Grand Total	268	

- (i) The date and time of the first information of a service interruption: July 16, 2021 at 1437.
- (j) The date and time that repair crews were assembled: Crews were on duty and were held over with additional crews brought in to support restoration.
- (k) The actual time that service was restored to the last affected customer: July 18, 2021 at 1800. Additionally, West Penn was able to restore approximately 84.3% of the impacted customers in less than six hours from the time of service interruption.

- (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	129
Secondary Spans Down	10
Crossarms Replaced	37
Cutouts Replaced	48
Poles Replaced	8
Transformers Replaced	25
Wire & Cable Replaced (feet)	9,185

- (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.

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 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
10015527-2	Washington	5	1,719	07/16/2021 1926	07/18/2021 0005
10015680-2	Greene	3	1,660	07/16/2021 2123	07/18/2021 0103
10015129-2	Clarion	4	1,461	07/16/2021 1654	07/17/2021 1715
10014940-2	Butler	1	1,427	07/16/2021 1513	07/17/2021 1500
10017564-2	Franklin	1	1,375	07/17/2021 1828	07/18/2021 1723
10017319-2	Centre	3	1,367	07/17/2021 1706	07/18/2021 1553
10015445-2	Centre	4	1,333	07/16/2021 1722	07/17/2021 1535
10015570-2	Washington	1	1,301	07/16/2021 1959	07/17/2021 1740
10014926-2	Clarion	6	1,277	07/16/2021 1518	07/17/2021 1235
10016867-2	Greene	5	1,266	07/17/2021 1403	07/18/2021 1109
10015405-2	Lycoming	1	1,264	07/16/2021 1816	07/17/2021 1520
10015304-1	Washington	8	1,255	07/16/2021 1700	07/17/2021 1355
10017467-2	Greene	4	1,242	07/17/2021 1758	07/18/2021 1440
10017466-2	Washington	6	1,224	07/17/2021 1441	07/18/2021 1105
10015321-1	Greene	26	1,207	07/16/2021 1758	07/17/2021 1405
10015319-3	Washington	9	1,199	07/16/2021 1751	07/17/2021 1350
10017453-1	Allegheny	1	1,190	07/17/2021 1752	07/18/2021 1342
10018184-2	Franklin	6	1,148	07/17/2021 2158	07/18/2021 1706
10014923-2	Butler	18	1,145	07/16/2021 1515	07/17/2021 1020
10017056-2	Greene	1	1,140	07/17/2021 1539	07/18/2021 1039
10015126-2	Allegheny	8	1,125	07/16/2021 1652	07/17/2021 1137
10015557-2	Washington	41	1,115	07/16/2021 1944	07/17/2021 1419
10015147-2	Washington	9	1,110	07/16/2021 1700	07/17/2021 1130
10015329-2	Greene	31	1,092	07/16/2021 1758	07/17/2021 1210
10017571-5	Centre	2	1,087	07/17/2021 1701	07/18/2021 1108
10015533-2	Centre	1	1,053	07/16/2021 1931	07/17/2021 1304
10015329-2	Greene	80	1,046	07/16/2021 1758	07/17/2021 1124
10018135-1	Centre	7	1,046	07/17/2021 1854	07/18/2021 1220
10015506-2	Washington	4	1,038	07/16/2021 1825	07/17/2021 1143
10017940-2	Franklin	10	1,037	07/17/2021 2209	07/18/2021 1526
10015560-1	Allegheny	1	1,022	07/16/2021 1955	07/17/2021 1257

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.

West Penn 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
10018087-2	Allegheny	1	992	07/18/2021 0100	07/18/2021 1732
10018067-1	Clinton	1	988	07/18/2021 0132	07/18/2021 1800
10015506-2	Washington	18	979	07/16/2021 1825	07/17/2021 1044
10015273-2	Centre	3	977	07/16/2021 1743	07/17/2021 1000
10015671-2	Butler	5	970	07/16/2021 2115	07/17/2021 1325
10017354-2	Centre	7	962	07/17/2021 1648	07/18/2021 0850
10018003-2	Franklin	25	954	07/17/2021 2332	07/18/2021 1526
10015329-2	Greene	4	952	07/16/2021 1758	07/17/2021 0950
10017801-1	Allegheny	1	950	07/17/2021 2039	07/18/2021 1229
10015469-1	Washington	26	916	07/16/2021 1858	07/17/2021 1014
10016544-2	Washington	5	912	07/17/2021 0417	07/17/2021 1929
10015494-3	Fayette	545	908	07/16/2021 1900	07/17/2021 1008
10018128-2	Centre	83	896	07/18/2021 0304	07/18/2021 1800
10015746-1	Elk	3	881	07/16/2021 2321	07/17/2021 1402
10014988-1	Armstrong	19	875	07/16/2021 1549	07/17/2021 0624
10015335-2	Centre	1	872	07/16/2021 1803	07/17/2021 0835
10015114-1	Washington	2	853	07/16/2021 1647	07/17/2021 0700
10015146-2	Washington	3	850	07/16/2021 1701	07/17/2021 0711
10018128-2	Centre	13	841	07/18/2021 0304	07/18/2021 1705
10015677-2	Westmoreland	2	829	07/16/2021 1956	07/17/2021 0945
10017853-2	Armstrong	5	817	07/17/2021 2108	07/18/2021 1045
10018018-1	Allegheny	1	804	07/17/2021 2342	07/18/2021 1306
10017848-2	Centre	1	801	07/17/2021 2106	07/18/2021 1027
10015519-2	Centre	2	775	07/16/2021 1920	07/17/2021 0815
10015565-2	Fulton	4	774	07/16/2021 1958	07/17/2021 0852
10018030-3	Westmoreland	8	772	07/18/2021 0013	07/18/2021 1305
10015660-2	Washington	22	738	07/16/2021 2032	07/17/2021 0850
10016594-2	Clarion	11	738	07/17/2021 0658	07/17/2021 1916
10015219-2	Butler	13	711	07/16/2021 1454	07/17/2021 0245
10017031-1	Westmoreland	1	700	07/17/2021 1515	07/18/2021 0255
10015745-2	Washington	2	692	07/16/2021 2308	07/17/2021 1040
10015688-1	Washington	1	682	07/16/2021 2135	07/17/2021 0857
10016863-2	Washington	2	675	07/17/2021 1400	07/18/2021 0115
10016934-1	Washington	2	656	07/17/2021 1424	07/18/2021 0120
10017964-2	Westmoreland	2	656	07/17/2021 2232	07/18/2021 0928
10016549-2	Washington	4	635	07/17/2021 0515	07/17/2021 1550

West Penn 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
10017571-2	Centre	307	613	07/17/2021 1701	07/18/2021 0314
10016613-2	Clarion	3	600	07/17/2021 0615	07/17/2021 1615
10015749-3	Butler	3	597	07/16/2021 2328	07/17/2021 0925
10015250-2	Clarion	2	585	07/16/2021 1610	07/17/2021 0155
10017403-1	Washington	1	572	07/17/2021 1738	07/18/2021 0310
10016870-2	Washington	7	545	07/17/2021 1404	07/17/2021 2309
10014811-2	Potter	10	543	07/16/2021 1437	07/16/2021 2340
10017379-1	Lycoming	97	543	07/17/2021 1632	07/18/2021 0135
10017982-1	Franklin	1	528	07/17/2021 2257	07/18/2021 0745
10015405-1	Lycoming	2	494	07/16/2021 1816	07/17/2021 0230
10015533-2	Centre	2	489	07/17/2021 0455	07/17/2021 1304
10017817-1	Washington	7	486	07/17/2021 2046	07/18/2021 0452
10018157-1	Bedford	1	474	07/18/2021 0557	07/18/2021 1351
10017722-2	Armstrong	6	471	07/17/2021 1944	07/18/2021 0335
10014853-1	Potter	283	452	07/16/2021 1453	07/16/2021 2225
10014858-1	Potter	437	452	07/16/2021 1453	07/16/2021 2225
10016554-2	Butler	243	450	07/17/2021 0519	07/17/2021 1249
10017653-1	Butler	1	445	07/17/2021 1508	07/17/2021 2233
10017317-2	Clinton	1	442	07/17/2021 1706	07/18/2021 0028
10016509-2	Potter	4	439	07/17/2021 0126	07/17/2021 0845
10016548-1	Centre	1	439	07/17/2021 0503	07/17/2021 1222
10017379-1	Lycoming	42	433	07/17/2021 1632	07/17/2021 2345
10015291-1	Potter	71	432	07/16/2021 1456	07/16/2021 2208
10017343-2	Westmoreland	2	426	07/17/2021 1716	07/18/2021 0022
10016855-2	Westmoreland	320	416	07/17/2021 1355	07/17/2021 2051
10015249-1	Lycoming	43	409	07/16/2021 1731	07/17/2021 0020
10015701-1	Butler	1	402	07/16/2021 2200	07/17/2021 0442
10016546-2	Westmoreland	3	397	07/17/2021 0228	07/17/2021 0905
10018243-1	Centre	12	397	07/18/2021 0828	07/18/2021 1505
10017302-1	Centre	2	393	07/17/2021 1715	07/17/2021 2348
10018140-1	Washington	139	393	07/18/2021 0431	07/18/2021 1104
10016546-2	Westmoreland	7	392	07/17/2021 0228	07/17/2021 0900
10017164-1	Allegheny	1	389	07/17/2021 1621	07/17/2021 2250
10018167-1	Franklin	1	388	07/18/2021 0620	07/18/2021 1248
10015749-2	Butler	72	387	07/16/2021 2328	07/17/2021 0555
10014900-1	Butler	18	382	07/16/2021 1507	07/16/2021 2129

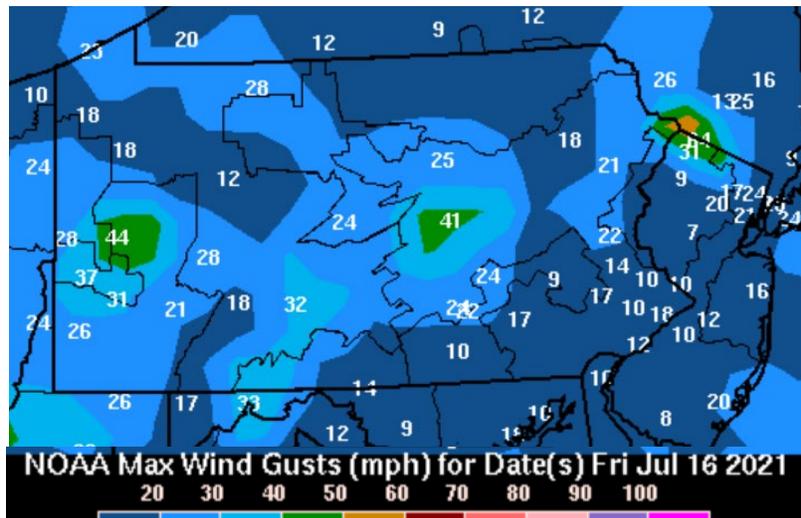
West Penn Storm Report

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
10016846-1	Greene	8	380	07/17/2021 1335	07/17/2021 1955
10016594-1	Clarion	3	362	07/17/2021 0658	07/17/2021 1300

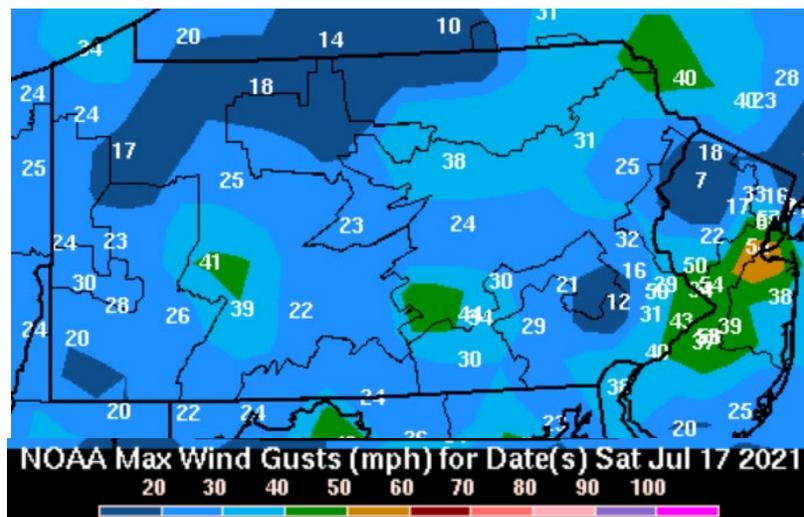
Attachment B: FirstEnergy Wind and Precipitation Report

Wind and Precipitation Reports: Graphic 1 and 2 illustrate the maximum wind gusts in the West Penn service territory on July 16 and July 17, 2021. Graphics 3 and 4 illustrate the 24-Hour Total Precipitation in the West Penn service territory on July 16 and July 17, 2021. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

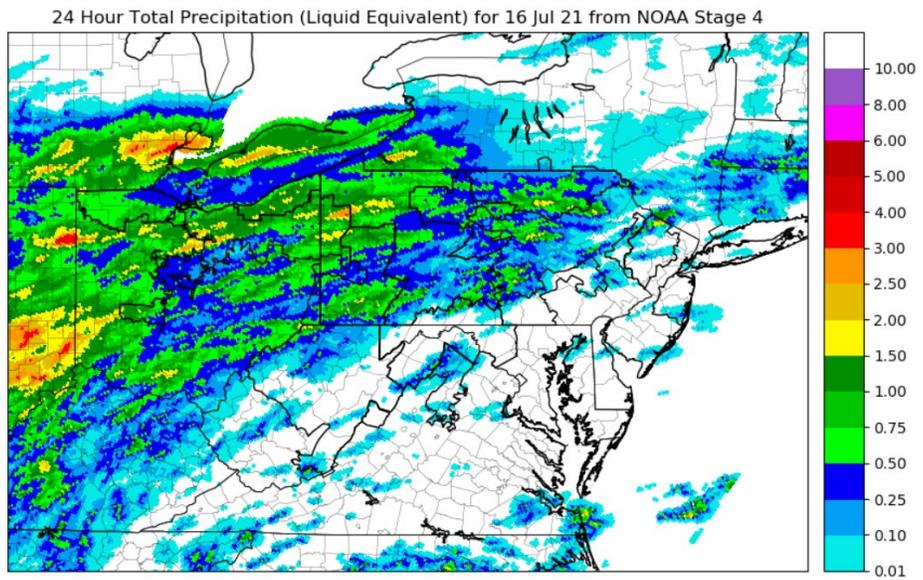
Graphic 1: Maximum Wind Gusts: Friday, July 16, 2021



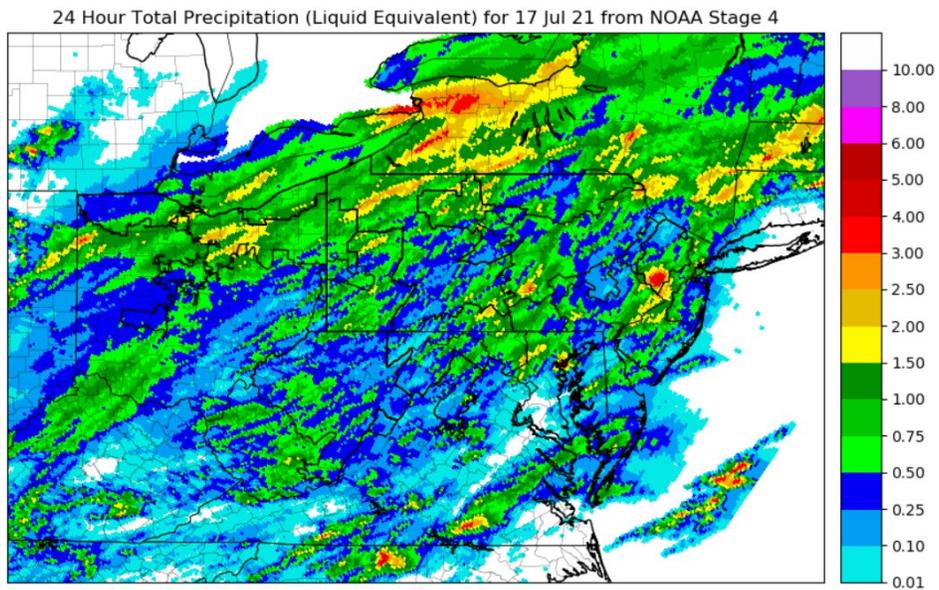
Graphic 2: Maximum Wind Gusts: Saturday, July 17, 2021



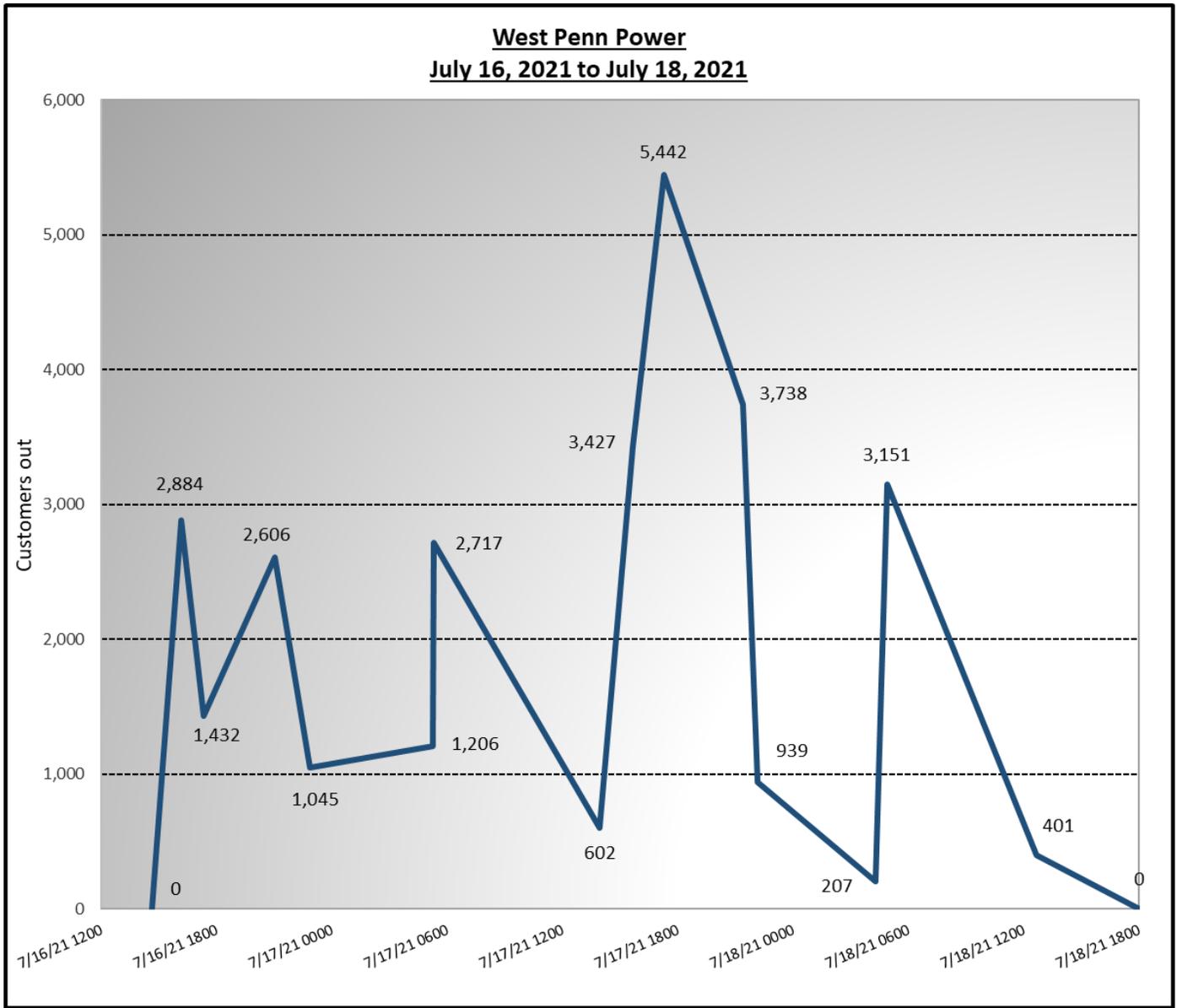
Graphic 3: 24-Hour Total Precipitation: Friday, July 16, 2021



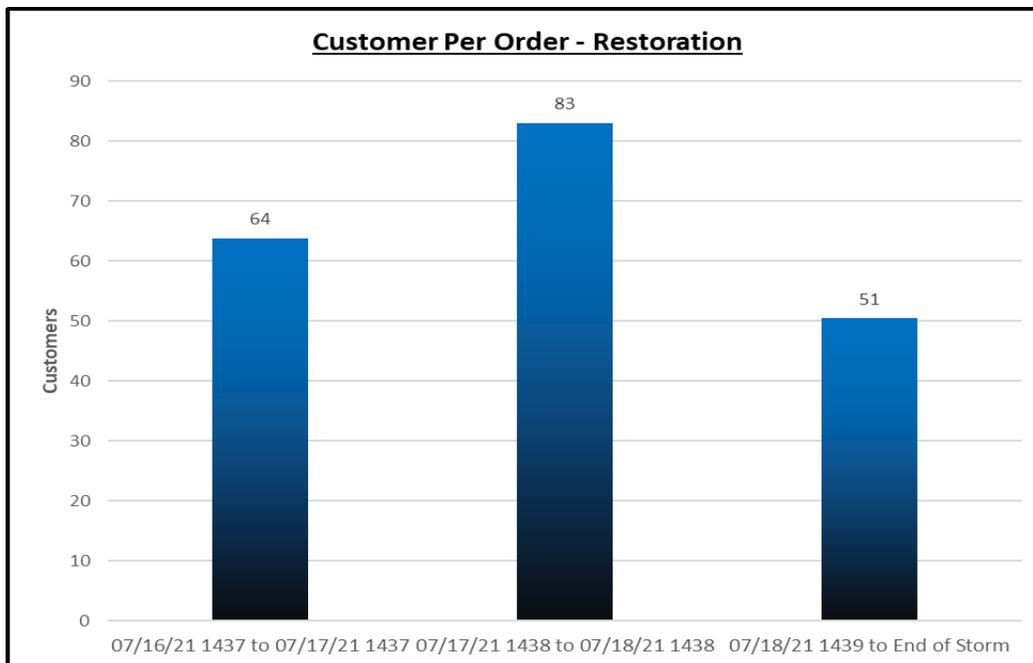
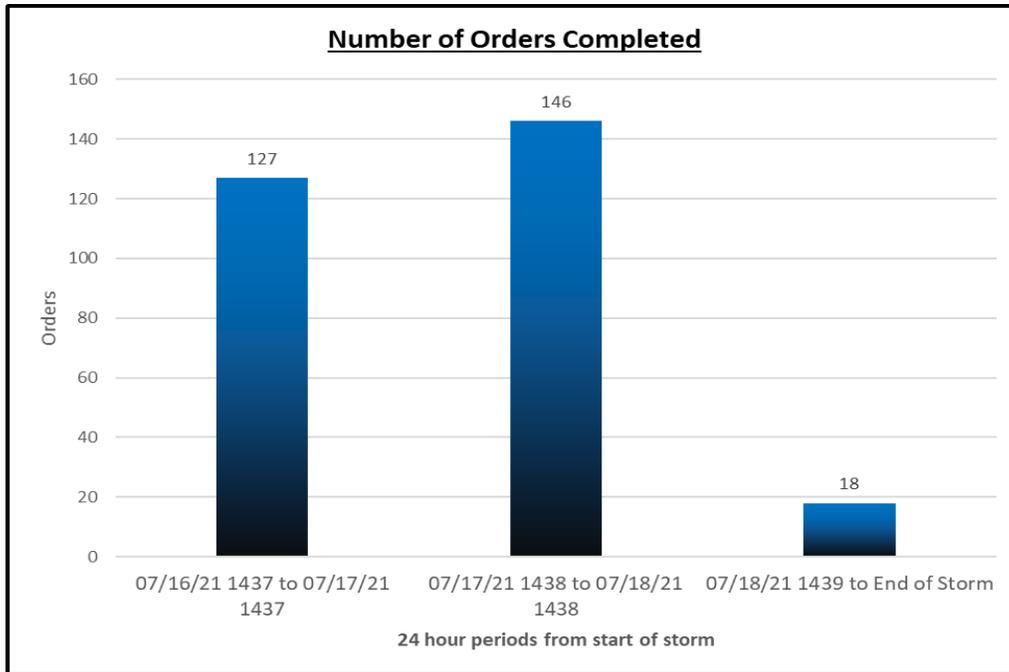
Graphic 4: 24-Hour Total Precipitation: Saturday, July 17, 2021



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



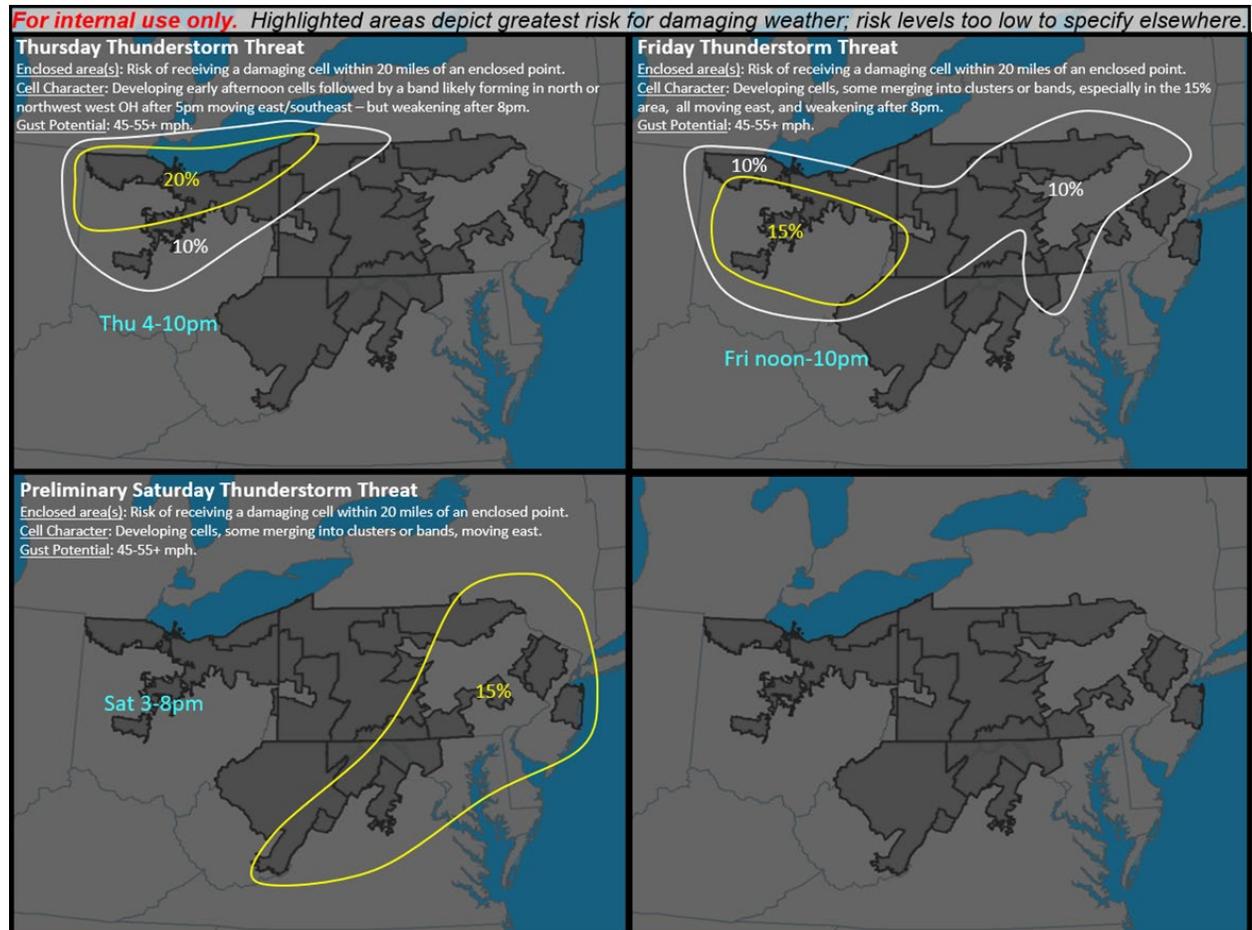
Attachment E: FirstEnergy Meteorologist Reports

Thursday July 15, 2021 @ 0949

New Issuance: New issuance for Friday and Saturday

Changes:

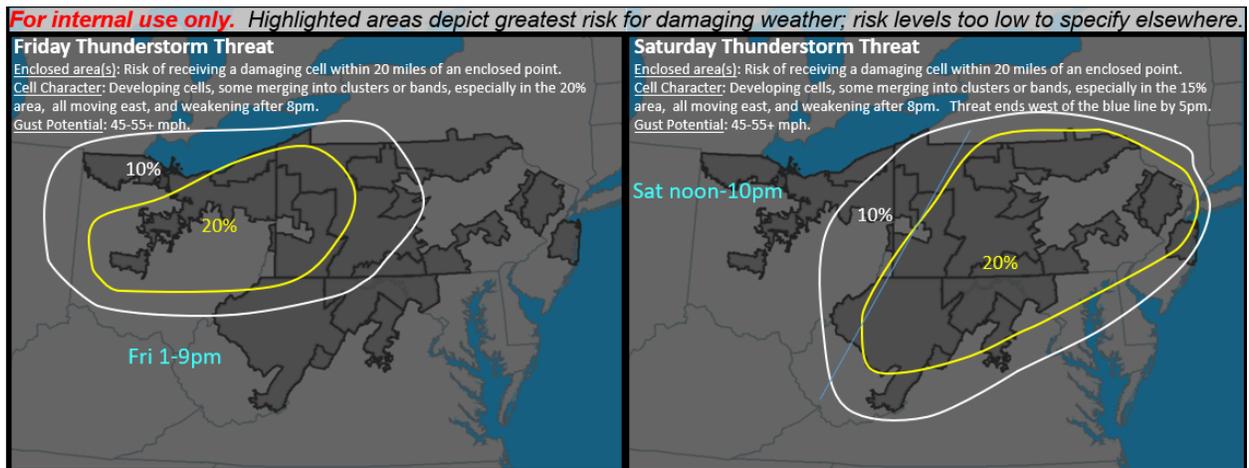
1. Expanded threat area east today. Confidence is normal with this panel.
2. Added threat for tomorrow. Confidence is normal with this panel.
3. Added preliminary threat for Saturday. Confidence is normal with this panel.



Friday, July 16, 2021 @ 0901

Changes:

1. Removed threat area from much of eastern FE. Confidence is normal with this panel.
2. Added details for threat tomorrow. Confidence is normal with this panel.



Saturday, July 17, 2021 @ 0944

Changes

Increased risk in east FE and added timing details. Confidence is normal with this panel. Damaging cells are not expected Sunday.

