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December 28, 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 December 11, 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)
Harry Bidelsbach – 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:

December 11, 2021 2013
(Date) *(Time)*

5. Interruption or Outage:

(a) Number of customers affected: 28,942 (Represents 4.0% 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	1522	32	67
Armstrong	1,926	46	43
Butler	2,526	40	51
Cameron	140	3	2
Centre	232	12	10
Clarion	199	11	8
Clinton	2	1	1
Elk	2743	29	11
Fayette	4009	38	29
Franklin	5	2	14
Greene	679	25	12
Indiana	1591	8	9
Mckean	102	5	0
Potter	11	1	2
Washington	4049	92	102
Westmoreland	9206	124	152
TOTAL	28,942	469	513

(d) Approximate number of outage cases exceeding 6 or more hours in duration: 234

(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 Saturday evening, December 11, 2021, a slow-moving cold front producing thunderstorms, rain showers, and wind gusts moved from west to east across Pennsylvania, including the West Penn service territory. Wind gusts in the West Penn service territory exceeded 50- miles per hour on December 11, 2021. See Attachment B for the maximum wind gusts and 24-hour total precipitation for December 11, 2021

Damage as a result of the high winds included downed trees and power lines, broken poles, and damaged equipment. Damage from this storm event was widespread and impacted the majority of West Penn’s service territory. The Boyce, Charleroi, Jeannette, Arnold, and Butler regions were the hardest hit. Approximately 69% of the total outages that occurred were tree related. Some outages occurred in remote, difficult-to-access locations which required line workers to climb poles thereby extending restoration time.

Preliminary data indicate the reliability impact of the storm was 15 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 374.1 minutes.

(g) Projected time of restoration: It was estimated that the majority of customers would be restored by 2300 on December 12, 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 Power	133	Line Workers
Potomac Edison	11	FirstEnergy Affiliate Line Workers
Subtotal	144	
CW Wright Construction	6	Line Contractor
NG Gilbert	13	Line Contractor
PoleSet Inc.	8	Line Contractor
Thompson Electric	27	Line Contractor
Subtotal	54	
Asplundh	48	Forestry Contractor
Davey	15	Forestry Contractor
JAFLO	3	Forestry Contractor
Lewis Tree Service	2	Forestry Contractor
Penn Line Services, Inc.	42	Forestry Contractor
Townsend	7	Forestry Contractor
Subtotal	117	
West Penn Power	18	Hazard Responders/Damage Assessors
FirstEnergy Corp	1	Hazard Responders/Damage Assessors
Subtotal	19	
West Penn Power	97	Supporting Roles
Potomac Edison	1	Supporting Roles
FirstEnergy Corp	6	Supporting Roles
PoleSet Inc.	1	Contractor Supporting Roles
Thompson Electric	2	Contractor Supporting Roles

Subtotal	107	
Grand Total	441	

- (i) The date and time of the first information of a service interruption: December 11, 2021 at 0705.
- (j) The date and time that repair crews were assembled: Crews were on duty and pre staged in anticipation of the inclement weather with additional crews brought in to support restoration.
- (k) The actual time that service was restored to the last affected customer: December 13, 2021 at 1715.
- (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	258
Secondary Spans Down	42
Crossarms Replaced	81
Cutouts Replaced	94
Poles Replaced	28
Transformers Replaced	35
Wire & Cable Replaced (feet)	31,587

- (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 information:

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
10141956-2	Greene	9	2,860	12/11/2021 0953	12/13/2021 0933
10141093-2	Greene	8	2,734	12/11/2021 1236	12/13/2021 1010
10142738-2	Westmoreland	1	2,705	12/11/2021 1719	12/13/2021 1424
10144354-3	Greene	3	2,624	12/11/2021 1626	12/13/2021 1210
10143779-2	Greene	4	2,583	12/11/2021 1542	12/13/2021 1045
10141751-2	Washington	1	2,579	12/11/2021 1551	12/13/2021 1050
10143083-2	Greene	2	2,578	12/11/2021 1815	12/13/2021 1313
10142965-2	Westmoreland	1	2,570	12/11/2021 1754	12/13/2021 1244
10142658-2	Washington	1	2,543	12/11/2021 1710	12/13/2021 1133
10141542-3	Washington	1	2,534	12/11/2021 1516	12/13/2021 0930
10142856-2	Washington	3	2,528	12/11/2021 1737	12/13/2021 1145
10141901-2	Westmoreland	1	2,486	12/11/2021 1605	12/13/2021 0931
10142586-2	Westmoreland	11	2,465	12/11/2021 1702	12/13/2021 1007
10143566-2	Greene	5	2,360	12/11/2021 2007	12/13/2021 1127
10143512-2	Allegheny	1	2,354	12/11/2021 1946	12/13/2021 1100
10142836-2	Westmoreland	1	2,348	12/11/2021 1734	12/13/2021 0842
10143648-3	Westmoreland	2	2,308	12/11/2021 2032	12/13/2021 1100
10141560-4	Washington	2	2,305	12/11/2021 1420	12/13/2021 0445
10142457-2	Westmoreland	2	2,219	12/11/2021 1646	12/13/2021 0545
10142136-2	Greene	13	2,215	12/11/2021 1631	12/13/2021 0526
10142186-2	Westmoreland	8	2,094	12/11/2021 1636	12/13/2021 0330
10141784-2	Greene	20	2,093	12/11/2021 1556	12/13/2021 0249
10141486-2	Allegheny	2	2,018	12/11/2021 1507	12/13/2021 0045
10144174-2	Westmoreland	6	1,990	12/11/2021 1805	12/13/2021 0315
10142824-2	Allegheny	2	1,941	12/11/2021 1725	12/13/2021 0146
10141172-2	Westmoreland	1	1,849	12/11/2021 1307	12/12/2021 1956
10144113-2	Westmoreland	37	1,836	12/11/2021 1739	12/13/2021 0015
10143310-2	Washington	7	1,796	12/11/2021 1304	12/12/2021 1900
10141203-2	Westmoreland	2	1,787	12/11/2021 1323	12/12/2021 1910
10141173-2	Washington	7	1,778	12/11/2021 1307	12/12/2021 1845
10143651-3	Washington	1	1,752	12/11/2021 2033	12/13/2021 0145
10143454-2	Washington	5	1,743	12/11/2021 1508	12/12/2021 2011
10142668-2	Allegheny	3	1,715	12/11/2021 1712	12/12/2021 2147

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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
10141252-2	Butler	1	1,707	12/11/2021 1343	12/12/2021 1810
10141755-3	Butler	1	1,703	12/11/2021 1552	12/12/2021 2015
10143165-2	Armstrong	1	1,700	12/11/2021 1745	12/12/2021 2205
10141571-2	Butler	12	1,660	12/11/2021 0825	12/12/2021 1205
10141821-2	Washington	2	1,637	12/11/2021 1559	12/12/2021 1916
10141781-2	Washington	3	1,631	12/11/2021 1556	12/12/2021 1907
10141580-2	Washington	3	1,624	12/11/2021 1526	12/12/2021 1830
10141503-2	Washington	2	1,618	12/11/2021 1508	12/12/2021 1806
10144372-2	Westmoreland	1	1,593	12/12/2021 0809	12/13/2021 1042
10144116-2	Westmoreland	2	1,590	12/11/2021 1645	12/12/2021 1915
10141877-2	Greene	8	1,577	12/11/2021 1603	12/12/2021 1820
10142801-2	Washington	6	1,577	12/11/2021 1651	12/12/2021 1908
10142514-2	Washington	1	1,573	12/11/2021 1607	12/12/2021 1820
10141859-3	Washington	2	1,571	12/11/2021 1602	12/12/2021 1813
10142482-1	Washington	2	1,566	12/11/2021 1614	12/12/2021 1820
10141541-2	Allegheny	4	1,562	12/11/2021 1516	12/12/2021 1718
10142451-2	Westmoreland	10	1,561	12/11/2021 1643	12/12/2021 1844
10141470-2	Washington	3	1,559	12/11/2021 1501	12/12/2021 1700
10141772-2	Greene	19	1,555	12/11/2021 1555	12/12/2021 1750
10141841-2	Washington	1	1,554	12/11/2021 1601	12/12/2021 1755
10141695-2	Westmoreland	7	1,548	12/11/2021 1547	12/12/2021 1735
10141523-2	Washington	37	1,547	12/11/2021 1513	12/12/2021 1700
10141604-2	Washington	39	1,542	12/11/2021 1533	12/12/2021 1715
10142639-2	Westmoreland	2	1,540	12/11/2021 1709	12/12/2021 1849
10143420-3	Armstrong	1	1,536	12/11/2021 1931	12/12/2021 2107
10141969-3	Westmoreland	9	1,528	12/11/2021 1617	12/12/2021 1745
10143193-2	Washington	1	1,518	12/11/2021 1842	12/12/2021 2000
10142711-2	Westmoreland	20	1,511	12/11/2021 1708	12/12/2021 1819
10144299-1	Greene	7	1,508	12/11/2021 1512	12/12/2021 1620
10143457-2	Armstrong	1	1,498	12/11/2021 1937	12/12/2021 2035
10143825-2	Washington	5	1,486	12/11/2021 1634	12/12/2021 1720
10142555-2	Westmoreland	68	1,485	12/11/2021 1655	12/12/2021 1740
10144737-2	Westmoreland	2	1,480	12/12/2021 1235	12/13/2021 1315
10142171-3	Westmoreland	20	1,480	12/11/2021 1635	12/12/2021 1715
10141607-2	Westmoreland	6	1,476	12/11/2021 1534	12/12/2021 1610

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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
10142005-3	Greene	33	1,459	12/11/2021 1621	12/12/2021 1640
10142118-2	Westmoreland	1	1,459	12/11/2021 1629	12/12/2021 1648
10143365-2	Butler	2	1,450	12/11/2021 1920	12/12/2021 1930
10142089-3	Armstrong	4	1,447	12/11/2021 1625	12/12/2021 1632
10143411-2	Westmoreland	1	1,442	12/11/2021 1930	12/12/2021 1932
10141592-2	Greene	6	1,431	12/11/2021 1530	12/12/2021 1521
10142701-2	Allegheny	1	1,415	12/11/2021 1716	12/12/2021 1651
10142124-1	Westmoreland	1	1,405	12/11/2021 1630	12/12/2021 1555
10142809-2	Armstrong	6	1,402	12/11/2021 1729	12/12/2021 1651
10143188-3	Armstrong	13	1,397	12/11/2021 1831	12/12/2021 1748
10144427-1	Westmoreland	1	1,395	12/11/2021 1932	12/12/2021 1847
10141665-2	Armstrong	7	1,387	12/11/2021 1543	12/12/2021 1450
10143113-2	Indiana	17	1,385	12/11/2021 1820	12/12/2021 1725
10141692-2	Greene	57	1,381	12/11/2021 1546	12/12/2021 1447
10142168-2	Armstrong	60	1,380	12/11/2021 1635	12/12/2021 1535
10142162-2	Washington	10	1,371	12/11/2021 1627	12/12/2021 1518
10142419-2	Washington	5	1,368	12/11/2021 1642	12/12/2021 1530
10142943-1	Westmoreland	1	1,360	12/11/2021 1749	12/12/2021 1629
10142105-2	Westmoreland	9	1,351	12/11/2021 1628	12/12/2021 1459
10142141-1	Washington	6	1,349	12/11/2021 1631	12/12/2021 1500
10143112-2	Westmoreland	6	1,347	12/11/2021 1805	12/12/2021 1632
10142959-2	Butler	34	1,339	12/11/2021 1752	12/12/2021 1611
10142102-2	Elk	1408	1,334	12/11/2021 1625	12/12/2021 1439
10142137-1	Elk	404	1,331	12/11/2021 1628	12/12/2021 1439
10143125-2	Mckean	1	1,328	12/11/2021 1824	12/12/2021 1632
10142050-2	Westmoreland	23	1,326	12/11/2021 1625	12/12/2021 1431
10141750-3	Washington	8	1,322	12/11/2021 1551	12/12/2021 1353
10143037-2	Westmoreland	1	1,322	12/11/2021 1808	12/12/2021 1610
10142467-2	Fayette	2	1,320	12/11/2021 1647	12/12/2021 1447
10142970-2	Elk	9	1,319	12/11/2021 1756	12/12/2021 1555
10141463-2	Allegheny	11	1,316	12/11/2021 1502	12/12/2021 1258
10143378-1	Washington	13	1,312	12/11/2021 1548	12/12/2021 1340
10141916-2	Greene	39	1,312	12/11/2021 1608	12/12/2021 1400
10142918-3	Butler	26	1,311	12/11/2021 1728	12/12/2021 1519
10141283-2	Washington	28	1,310	12/11/2021 1355	12/12/2021 1145

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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
10142865-1	Westmoreland	1	1,308	12/11/2021 1739	12/12/2021 1527
10143018-3	Fayette	1	1,304	12/11/2021 1806	12/12/2021 1550
10142028-2	Mckean	15	1,302	12/11/2021 1623	12/12/2021 1405
10143054-2	Mckean	2	1,301	12/11/2021 1811	12/12/2021 1552
10142754-2	Westmoreland	1	1,298	12/11/2021 1711	12/12/2021 1449
10141913-2	Allegheny	6	1,295	12/11/2021 1607	12/12/2021 1342
10142754-2	Westmoreland	16	1,294	12/11/2021 1711	12/12/2021 1445
10142516-2	Washington	9	1,284	12/11/2021 1651	12/12/2021 1415
10142573-1	Mckean	41	1,280	12/11/2021 1657	12/12/2021 1417
10142540-2	Washington	7	1,254	12/11/2021 1651	12/12/2021 1345
10141756-2	Fayette	73	1,253	12/11/2021 1547	12/12/2021 1240
10145126-1	Armstrong	2	1,247	12/12/2021 1333	12/13/2021 1020
10145126-1	Armstrong	5	1,244	12/12/2021 1333	12/13/2021 1017
10141571-2	Butler	1	1,243	12/11/2021 1522	12/12/2021 1205
10141482-3	Butler	1	1,239	12/11/2021 1506	12/12/2021 1145
10141355-2	Armstrong	7	1,233	12/11/2021 1344	12/12/2021 1017
10142188-2	Westmoreland	21	1,233	12/11/2021 1631	12/12/2021 1304
10142329-2	Washington	91	1,230	12/11/2021 1218	12/12/2021 0848
10141795-2	Armstrong	27	1,228	12/11/2021 1555	12/12/2021 1223
10141585-2	Clarion	19	1,218	12/11/2021 1528	12/12/2021 1146
10141825-3	Washington	11	1,217	12/11/2021 1559	12/12/2021 1216
10143021-2	Westmoreland	69	1,205	12/11/2021 1315	12/12/2021 0920
10143039-1	Clarion	1	1,192	12/11/2021 1808	12/12/2021 1400
10143246-2	Armstrong	63	1,192	12/11/2021 1623	12/12/2021 1215
10142161-2	Westmoreland	2	1,176	12/11/2021 1634	12/12/2021 1210
10143824-2	Westmoreland	8	1,172	12/11/2021 1923	12/12/2021 1455
10141820-1	Elk	1	1,171	12/11/2021 1559	12/12/2021 1130
10141942-1	Westmoreland	11	1,165	12/11/2021 1610	12/12/2021 1135
10142494-2	Washington	77	1,162	12/11/2021 1625	12/12/2021 1147
10142638-2	Washington	9	1,150	12/11/2021 1706	12/12/2021 1216
10143335-3	Westmoreland	26	1,149	12/11/2021 1911	12/12/2021 1420
10141825-3	Washington	11	1,143	12/11/2021 1559	12/12/2021 1102
10142743-2	Cameron	36	1,140	12/11/2021 1718	12/12/2021 1218
10142153-3	Washington	105	1,137	12/11/2021 1627	12/12/2021 1124
10141540-2	Allegheny	14	1,137	12/11/2021 1508	12/12/2021 1005

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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
10144933-1	Washington	1	1,134	12/12/2021 1842	12/13/2021 1336
10142108-2	Westmoreland	26	1,121	12/11/2021 1629	12/12/2021 1110
10141410-3	Greene	34	1,112	12/11/2021 1448	12/12/2021 0920
10144286-2	Westmoreland	2	1,110	12/12/2021 0500	12/12/2021 2330
10143571-2	Cameron	5	1,109	12/11/2021 1940	12/12/2021 1409
10143639-2	Allegheny	4	1,108	12/11/2021 2032	12/12/2021 1500
10142604-1	Elk	16	1,105	12/11/2021 1705	12/12/2021 1130
10141931-2	Armstrong	275	1,097	12/11/2021 1608	12/12/2021 1025
10143289-3	Allegheny	17	1,093	12/11/2021 1902	12/12/2021 1315
10142640-2	Greene	111	1,089	12/11/2021 1701	12/12/2021 1110
10143822-2	Elk	163	1,069	12/11/2021 1717	12/12/2021 1106
10142600-2	Westmoreland	4	1,069	12/11/2021 1704	12/12/2021 1053
10142136-1	Greene	13	1,065	12/11/2021 1631	12/12/2021 1016
10141496-2	Washington	61	1,057	12/11/2021 1552	12/12/2021 0929
10143674-1	Washington	1	1,053	12/11/2021 2045	12/12/2021 1418
10142907-2	Indiana	3	1,046	12/11/2021 1744	12/12/2021 1110
10144323-1	Washington	14	1,046	12/11/2021 1734	12/12/2021 1100
10142160-2	Westmoreland	10	1,046	12/11/2021 1634	12/12/2021 1000
10141569-1	Elk	3	1,044	12/11/2021 1522	12/12/2021 0846
10142447-1	Fayette	1	1,040	12/11/2021 1645	12/12/2021 1005
10141755-1	Butler	1	1,038	12/11/2021 1552	12/12/2021 0910
10144602-1	Westmoreland	5	1,037	12/11/2021 1928	12/12/2021 1245
10141776-2	Butler	2	1,014	12/11/2021 1555	12/12/2021 0849
10142153-3	Washington	41	1,014	12/11/2021 1830	12/12/2021 1124
10144172-3	Armstrong	39	1,003	12/11/2021 1533	12/12/2021 0816
10142260-2	Westmoreland	43	1,001	12/11/2021 1638	12/12/2021 0919
10143189-2	Washington	1	994	12/11/2021 1841	12/12/2021 1115
10141767-1	Elk	44	993	12/11/2021 1540	12/12/2021 0813
10141463-2	Allegheny	1	984	12/11/2021 2034	12/12/2021 1258
10142737-1	Elk	24	971	12/11/2021 1719	12/12/2021 0930
10144154-2	Westmoreland	3	971	12/11/2021 1629	12/12/2021 0840
10141306-1	Clarion	3	959	12/11/2021 1407	12/12/2021 0606
10142166-1	Westmoreland	5	941	12/11/2021 1634	12/12/2021 0815
10143418-1	Mckean	43	929	12/11/2021 1931	12/12/2021 1100
10141925-2	Washington	81	924	12/11/2021 1608	12/12/2021 0732

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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
10142671-1	Elk	9	900	12/11/2021 1712	12/12/2021 0812
10143404-2	Westmoreland	18	891	12/11/2021 1927	12/12/2021 1018
10143844-3	Clarion	1	857	12/11/2021 1813	12/12/2021 0830
10143276-1	Westmoreland	26	851	12/11/2021 1900	12/12/2021 0911
10144767-2	Butler	1	849	12/12/2021 1306	12/13/2021 0315
10143844-1	Clarion	10	843	12/11/2021 1813	12/12/2021 0816
10142839-1	Westmoreland	3	832	12/11/2021 1735	12/12/2021 0727
10144961-2	Westmoreland	1	818	12/12/2021 2120	12/13/2021 1058
10143550-1	Elk	1	809	12/11/2021 1958	12/12/2021 0927
10143554-2	Fayette	4	799	12/11/2021 2000	12/12/2021 0919
10143354-1	Westmoreland	1	775	12/11/2021 1918	12/12/2021 0813
10144545-2	Elk	14	754	12/12/2021 0952	12/12/2021 2226
10141603-2	Washington	10	729	12/11/2021 1526	12/12/2021 0335
10144273-1	Washington	26	713	12/12/2021 0337	12/12/2021 1530
10141860-1	Allegheny	1	703	12/11/2021 1602	12/12/2021 0345
10144183-1	Elk	14	674	12/11/2021 1726	12/12/2021 0440
10141278-1	Elk	44	672	12/11/2021 1353	12/12/2021 0105
10144053-1	Westmoreland	28	661	12/11/2021 1709	12/12/2021 0410
10141271-2	Westmoreland	12	650	12/11/2021 1350	12/12/2021 0040
10141952-1	Allegheny	12	635	12/11/2021 1615	12/12/2021 0250
10141539-2	Fayette	5	633	12/11/2021 1502	12/12/2021 0135
10144716-3	Washington	4	612	12/12/2021 1217	12/12/2021 2229
10142779-2	Fayette	4	610	12/11/2021 1725	12/12/2021 0335
10142419-1	Washington	38	608	12/11/2021 1642	12/12/2021 0250
10143288-1	Allegheny	2	602	12/11/2021 1902	12/12/2021 0504
10143937-1	Elk	24	587	12/11/2021 2158	12/12/2021 0745
10142156-2	Washington	19	578	12/11/2021 1624	12/12/2021 0202
10141887-2	Allegheny	102	572	12/11/2021 1603	12/12/2021 0135
10144994-2	Washington	2	563	12/12/2021 2207	12/13/2021 0730
10141929-1	Butler	2	545	12/11/2021 1610	12/12/2021 0115
10144154-1	Westmoreland	8	535	12/11/2021 1629	12/12/2021 0124
10141629-2	Armstrong	69	532	12/11/2021 1533	12/12/2021 0025
10142155-1	Washington	32	525	12/11/2021 1633	12/12/2021 0118
10141769-1	Westmoreland	19	524	12/11/2021 1551	12/12/2021 0035
10144583-1	Westmoreland	1	516	12/12/2021 1022	12/12/2021 1858

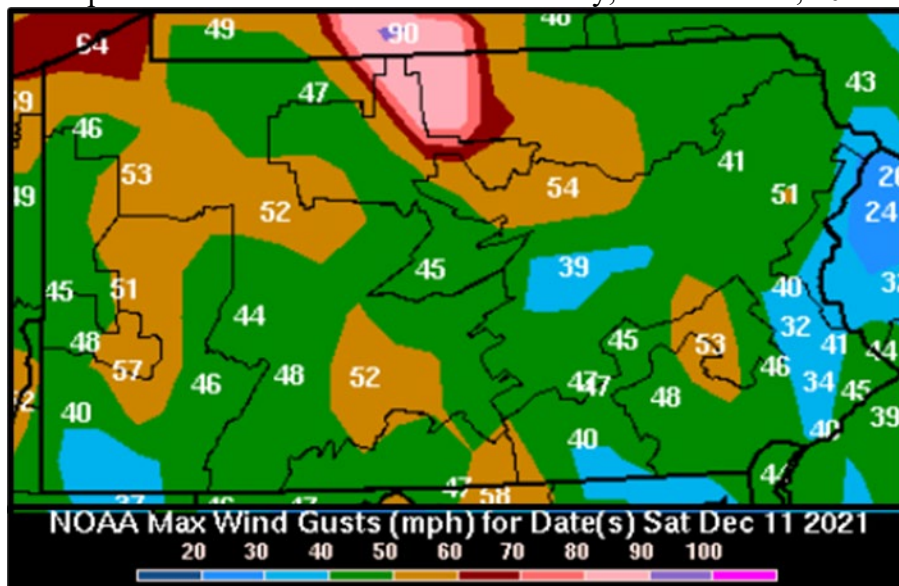
West Penn Storm Report

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
10144264-2	Washington	7	511	12/12/2021 0244	12/12/2021 1115
10144599-2	Allegheny	4	508	12/12/2021 1033	12/12/2021 1901
10144366-2	Butler	1	507	12/12/2021 0804	12/12/2021 1631
10144446-1	Armstrong	1	500	12/12/2021 0849	12/12/2021 1709
10141984-1	Washington	7	488	12/11/2021 1619	12/12/2021 0027
10142214-1	Westmoreland	1,676	461	12/11/2021 1634	12/12/2021 0015
10144407-2	Washington	9	451	12/12/2021 0648	12/12/2021 1419
10142009-1	Westmoreland	27	450	12/11/2021 1621	12/11/2021 2351
10141007-1	Clarion	27	449	12/11/2021 1145	12/11/2021 1914
10145274-1	Allegheny	2	439	12/13/2021 0956	12/13/2021 1715
10141802-1	Washington	239	436	12/11/2021 1557	12/11/2021 2313
10142110-1	Washington	239	431	12/11/2021 1415	12/11/2021 2126
10142007-1	Westmoreland	37	429	12/11/2021 1621	12/11/2021 2330
10143530-1	Westmoreland	21	415	12/11/2021 1945	12/12/2021 0240
10142214-1	Westmoreland	294	411	12/11/2021 1634	12/11/2021 2325
10145115-1	Allegheny	4	410	12/13/2021 0740	12/13/2021 1430
10143335-2	Westmoreland	99	409	12/11/2021 1911	12/12/2021 0200
10140583-2	Armstrong	2	403	12/11/2021 0732	12/11/2021 1415
10143650-1	Westmoreland	9	399	12/11/2021 1956	12/12/2021 0235
10142741-1	Westmoreland	11	385	12/11/2021 1640	12/11/2021 2305
10145118-2	Armstrong	8	383	12/13/2021 0739	12/13/2021 1402
10144264-1	Washington	39	381	12/12/2021 0244	12/12/2021 0905
10143338-1	Westmoreland	25	380	12/11/2021 1908	12/12/2021 0128
10144432-2	Allegheny	3	377	12/12/2021 0843	12/12/2021 1500
10143571-1	Cameron	99	376	12/11/2021 1940	12/12/2021 0156
10143021-1	Westmoreland	9	365	12/11/2021 1315	12/11/2021 1920

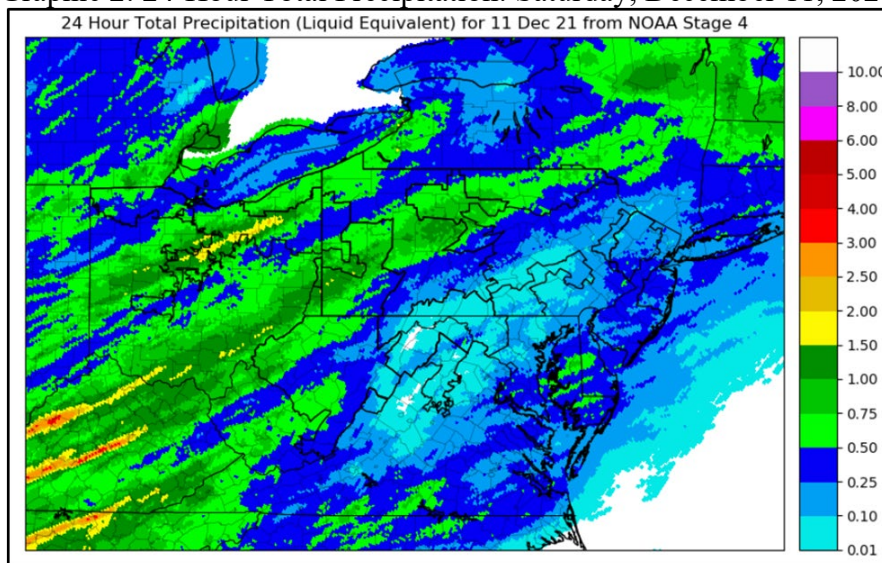
Attachment B: FirstEnergy Wind and Precipitation Report

Wind and Precipitation Reports: Graphic 1 illustrates the maximum wind gusts in the West Penn service territory on December 11, 2021. Graphics 2 illustrates the 24-Hour Total Precipitation in the West Penn service territory on December 11, 2021. The graphics are from the National Oceanic and Atmospheric Administration (“NOAA”).

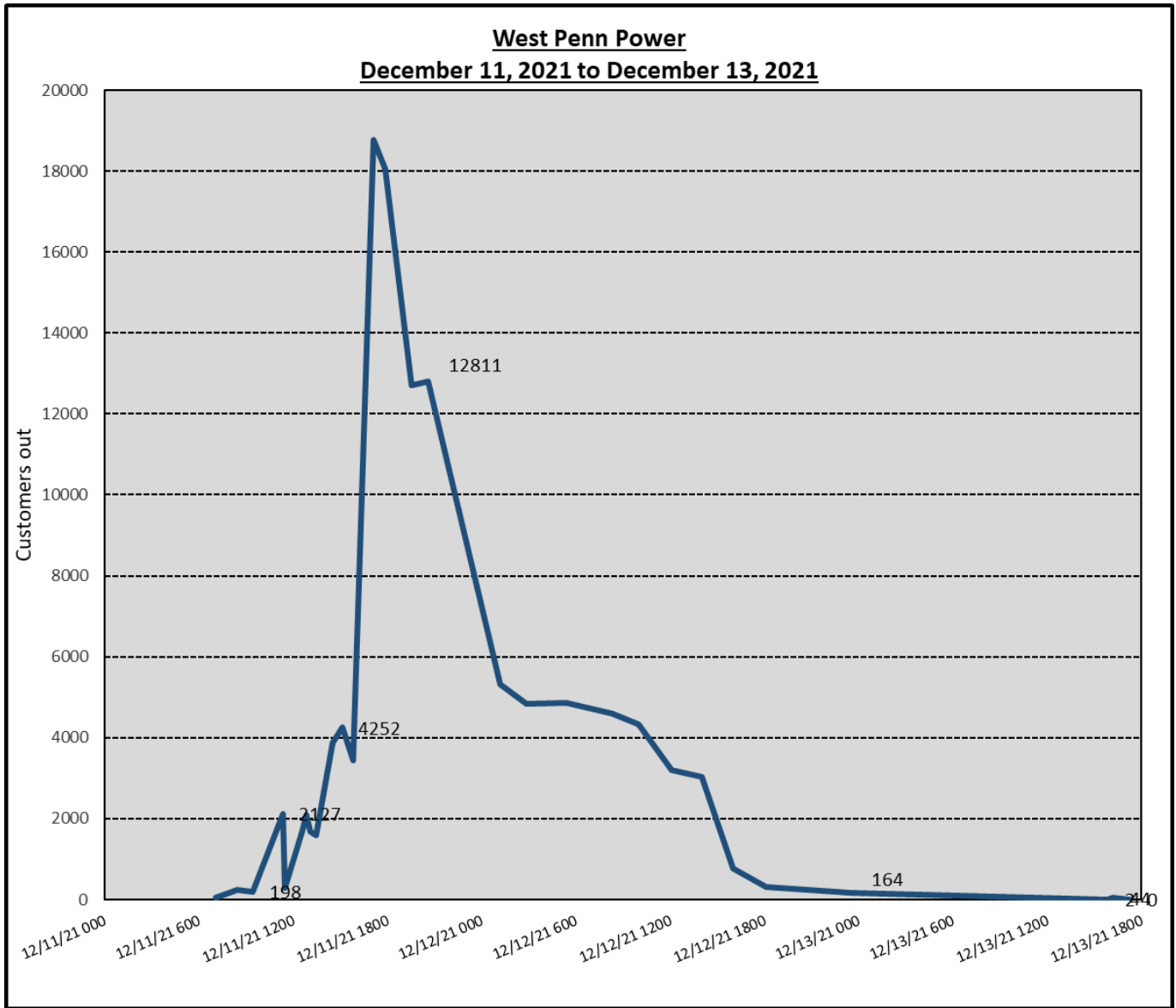
Graphic 1: Maximum Wind Gusts: Saturday, December 11, 2021



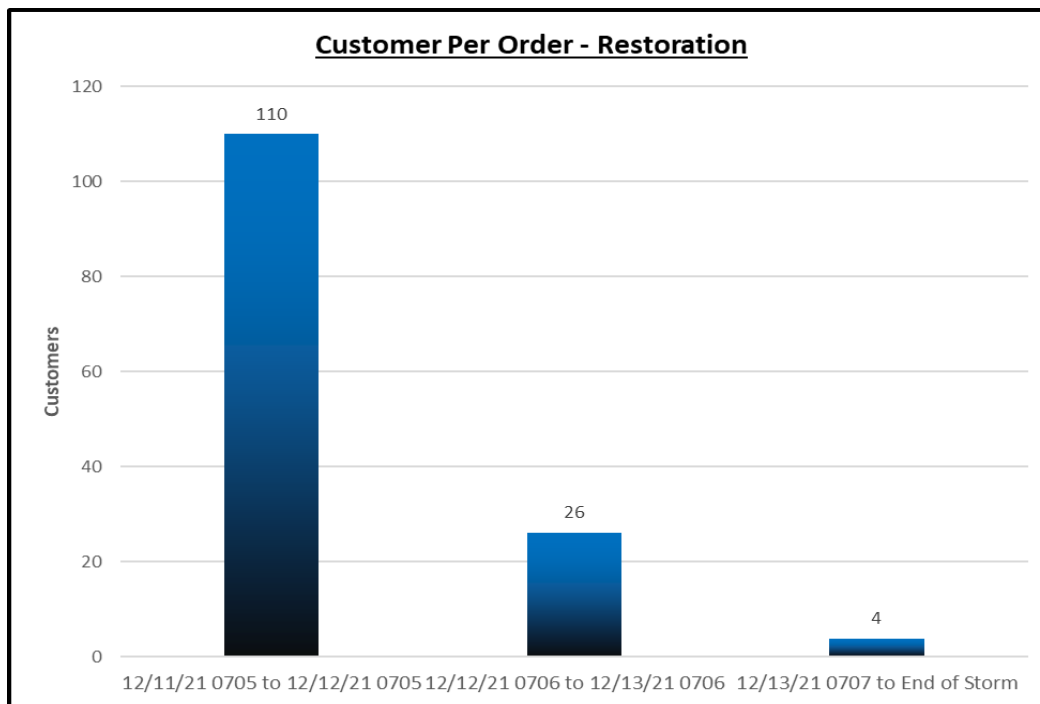
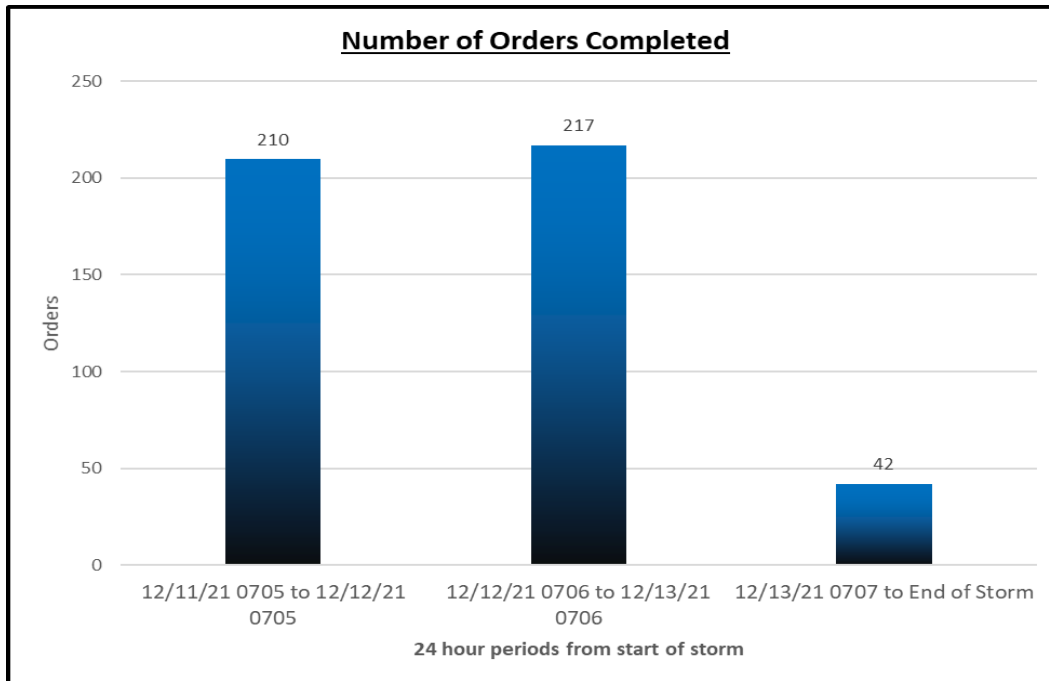
Graphic 2: 24-Hour Total Precipitation: Saturday, December 11, 2021



Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: FirstEnergy Meteorologist Reports

Wednesday December 08, 2021 @ 0853

New Issuance:

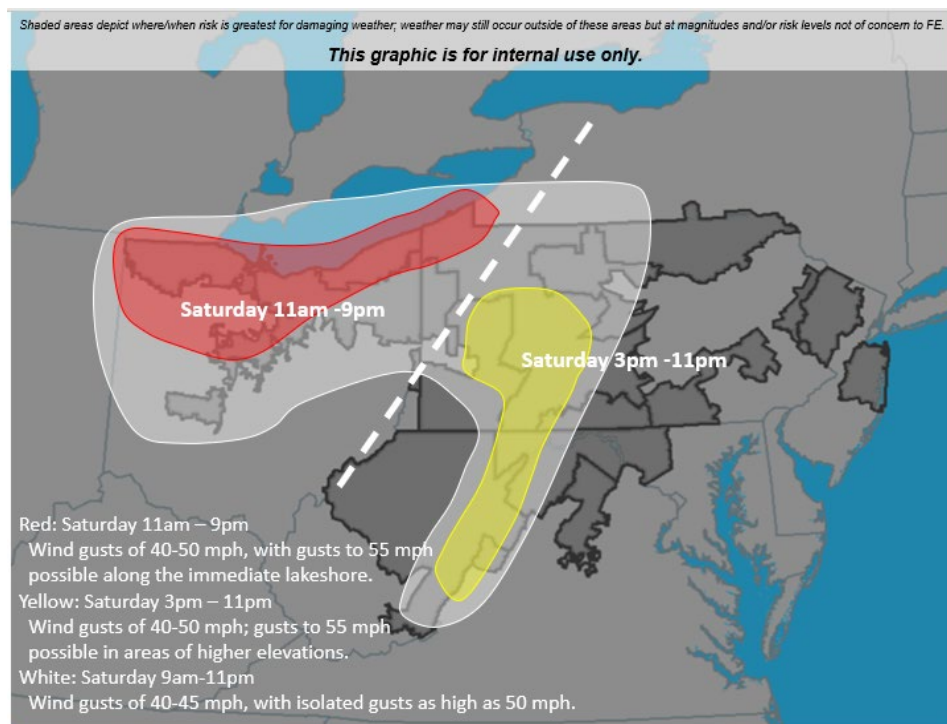
A strengthening storm system will pass to the north of FirstEnergy Friday and Saturday. This will drag a cold front through FirstEnergy Saturday, and likely provide a period of significant wind gusts behind the front—especially for areas of western and central FirstEnergy. The specific details of this event (e.g. timing and magnitude of winds) are still unclear at this point, will likely change, and will be updated and clarified in future alerts as they become available:

A few key notes:

- A) The cold front is expected to pass through western FirstEnergy late Friday/early Saturday—this may contain a period of heavy rain or even strong thunderstorms (may need to be introduced in future alerts).
- B) The cold front is expected to pass through eastern FirstEnergy Saturday afternoon—a brief (4-6 hour) period of strong gusts may need to be introduced for eastern FE in future alerts.

See graphic below for further information.

Next Update by 11am Thursday



Thursday, December 9, 2021 @ 0935

Update:

Significant updates and changes this morning. This is a bit of a complex storm system that provides different threats at different times and locations, which are outlined in the summary and graphics below.

General Summary:

- A sharp cold front will move through FirstEnergy during the day on Saturday, beginning Saturday morning in western FirstEnergy and moving through far eastern FirstEnergy Saturday evening.
- Ahead of the front, breezy conditions and periods of heavy rain are expected, across nearly all of FirstEnergy
- Also ahead of the front, strong/severe thunderstorms appear possible, mainly in western (Sat morning) and eastern (Sat evening) FirstEnergy. This storm threat is uncertain at the moment, but lines of severe storms capable of damaging wind gusts cannot be ruled out.
- A brief blast (~15-30 minutes) of strong wind gusts will be possible at any given location in FirstEnergy as the cold front passes.
- After the front passes, a period of notable wind gusts is expected. Wind gusts are expected to be significant across portions of western FirstEnergy, especially northern Ohio and western Pennsylvania. Areas along the Lake Erie shoreline are most at risk for significant gusts, and 60+ mph gusts appear possible at times late Saturday afternoon/evening in those shoreline areas.
- To recap: 1) Breezy and rainy, perhaps with strong storms, 2) windy as cold front passes, 3) general period of elevated wind gusts after front passes.
- Please read that again.

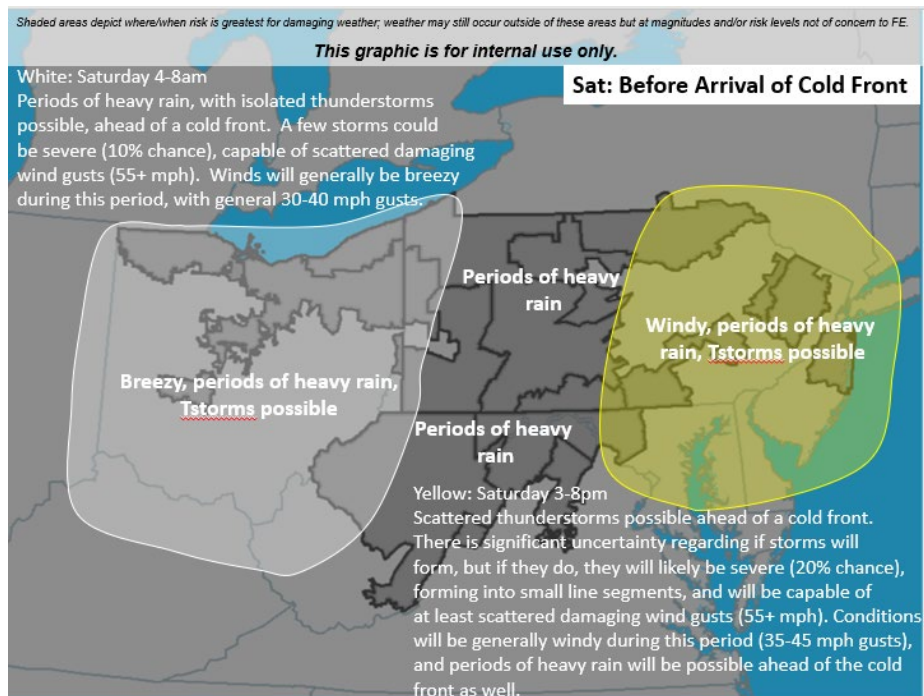
Key threats:

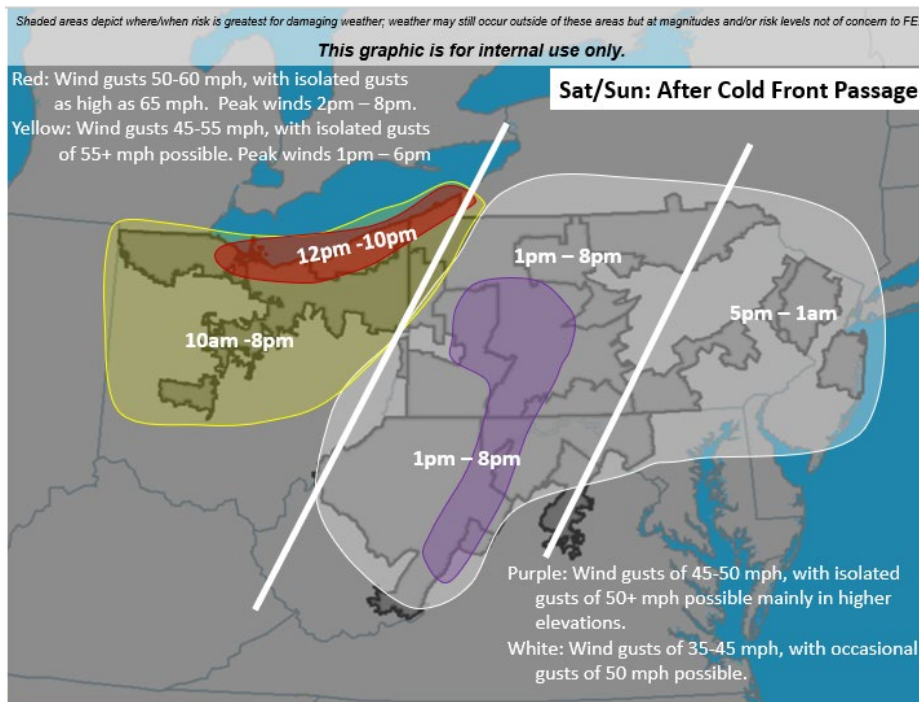
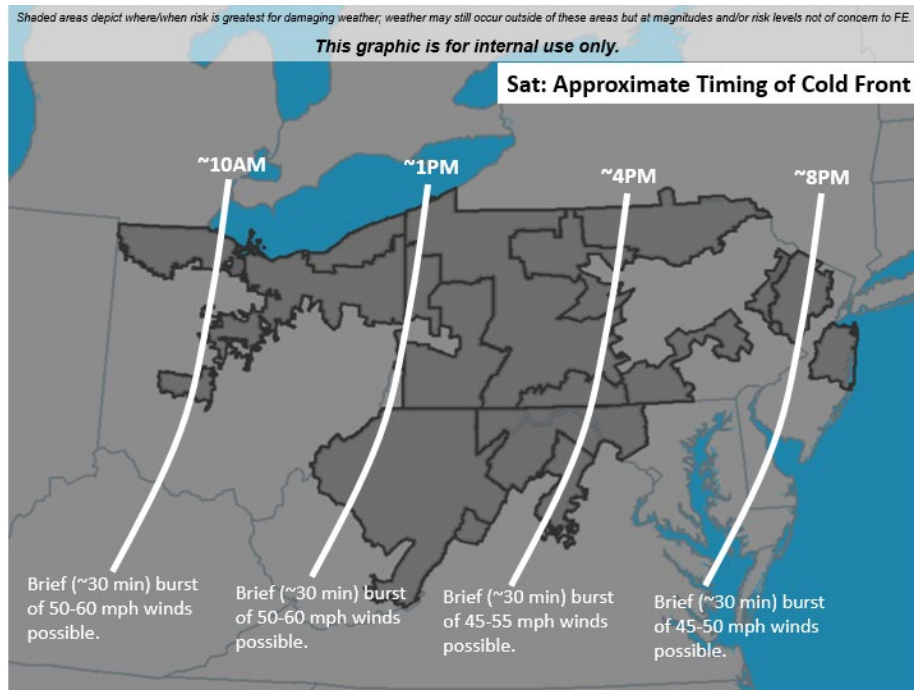
- Areas of northern Ohio and northwestern Pennsylvania—especially areas along the immediate lake shore—appear at risk of a 3-6 hour period of significant wind gusts. General wind gusts will likely exceed 50 mph in these regions, and lake shore areas could see wind gusts in excess of 60 mph.
- The thunderstorm risk—both of western FirstEnergy Saturday morning and eastern FirstEnergy Saturday evening—is what could be classified as “low risk/high impact” at this point. Conditions for storms appear marginal, but will also support a line of severe storms capable of significant damaging wind gusts ***if*** storms are able to develop. The storm risk is tied to the timing/location/strength of the cold front, so updates to this forecast will be important and the details of this threat may change with coming weather alerts.
- The front itself will likely contain a ‘blast’ of wind as it moves through. In western FirstEnergy, this may be in the 50-60 mph range, and in eastern FirstEnergy in the 45-50 mph range.

- For central/southern/eastern FirstEnergy, a general 4-6 hour period of elevated wind gusts (40-50 mph) will be possible after the front passes.

Three graphics are provided below to provide information about the threats before/during/after the cold front.

Next Update by 11am Friday





Friday, December 10, 2021 @ 0920

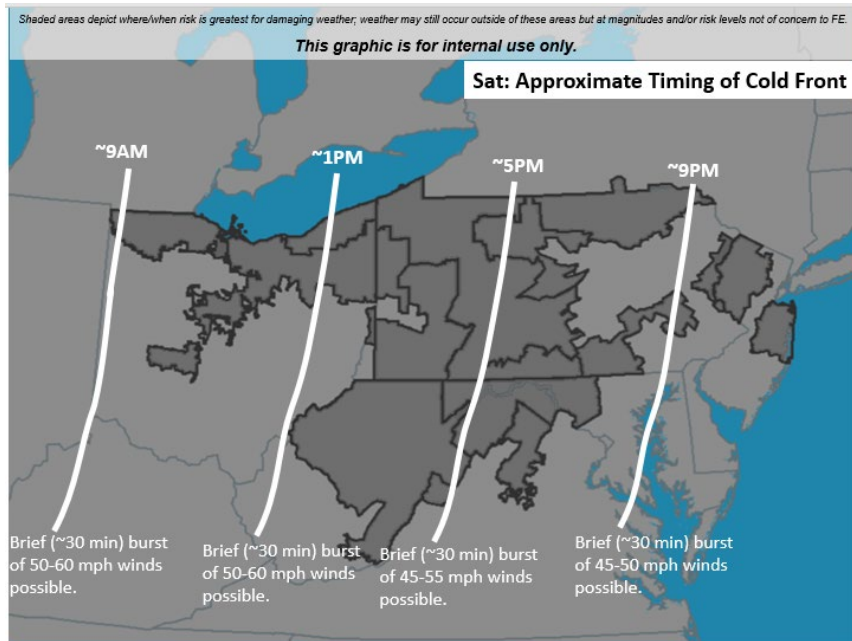
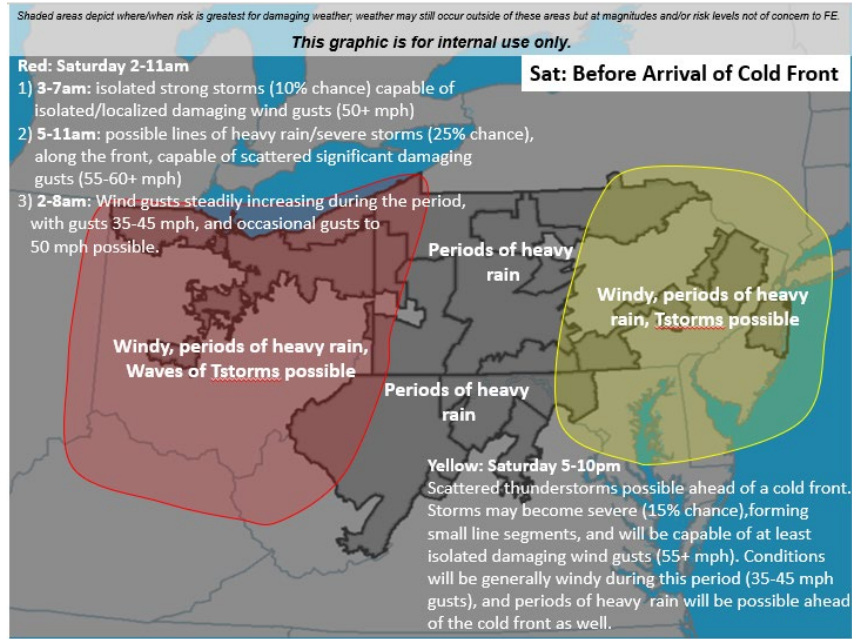
Update:

The main concept of this storm system remains on track. However, a general slowing of the cold front resulted in subtle changes to the wind/thunderstorm forecast, which are outlined below:

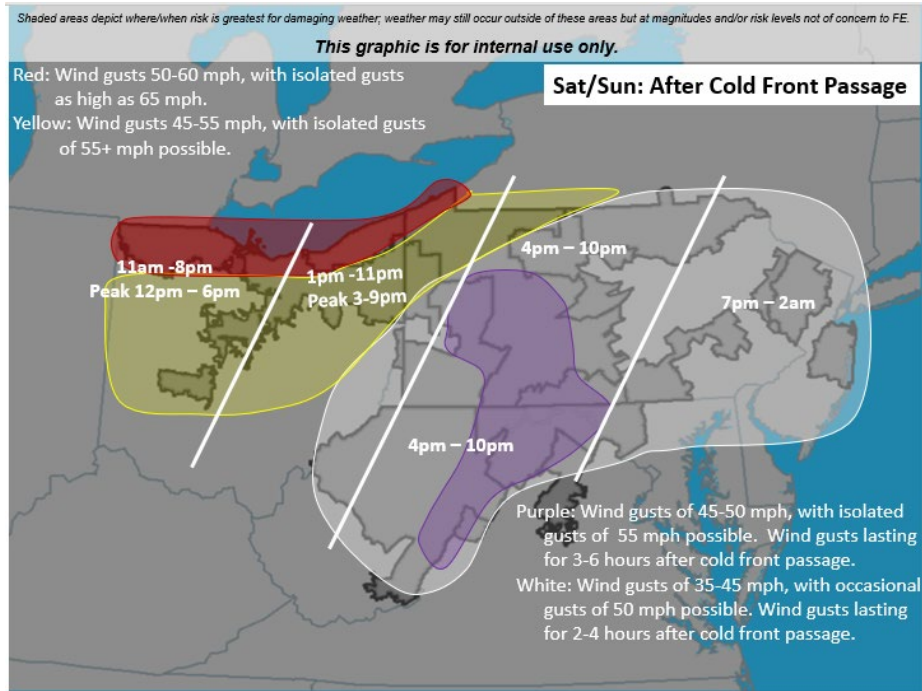
Notable changes:

- General arrival and progression of the cold front, west-to-east, through FirstEnergy appears to have slowed by a few hours. This will generally push back the arrival of the front/strongest winds across most locations in FirstEnergy. These changes are provided on the updated graphics below.
- Increased the risk of strong winds associated with severe thunderstorms/line of heavy showers across portions of Ohio early Saturday. Two rounds of storm activity are possible—the first an isolated threat early Saturday (3-8am), and the second a more substantial threat as showers/storms may develop along/ahead of the cold front itself (5-11am). Thunder may not actually occur, and damaging wind gusts may occur in lines of heavy showers that develop during this period.
- Added mention of strong wind gusts, outside of any shower/storm activity, across western FirstEnergy early Saturday morning as well. In these areas, gusty winds (40+ mph) will be possible for a few hours early Saturday morning—followed by a lull of a few hours—and then will ramp up again significantly when the cold front passes.
- Expanded the risk of 55-60+ mph gusts to include the entirety of the Lake Erie shoreline and into areas of Toledo Edison.
- Also expanded the risk of occasional 50+ mph gusts to include portions of Maryland and southern Pennsylvania, mainly in the areas of higher elevation.
- Slightly reduced the thunderstorm risk across eastern FirstEnergy. The slower progression of the cold front will reduce the chances of damaging storms developing ahead of the front—but not enough to remove it from the forecast at this time.

Next Update by 11am Saturday



West Penn Storm Report



Friday, December 10, 2021 @ 1144

Update:

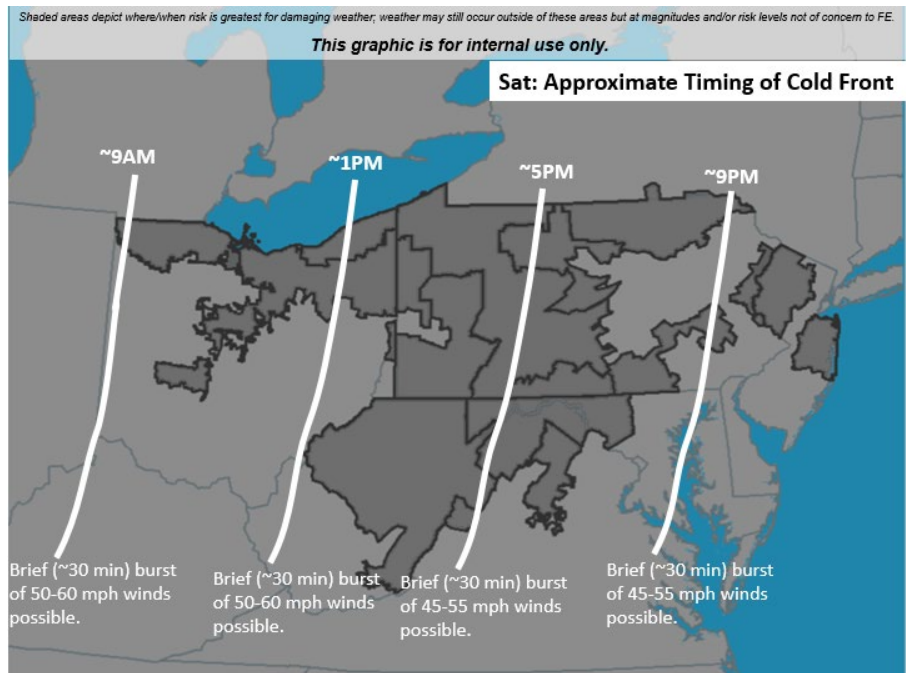
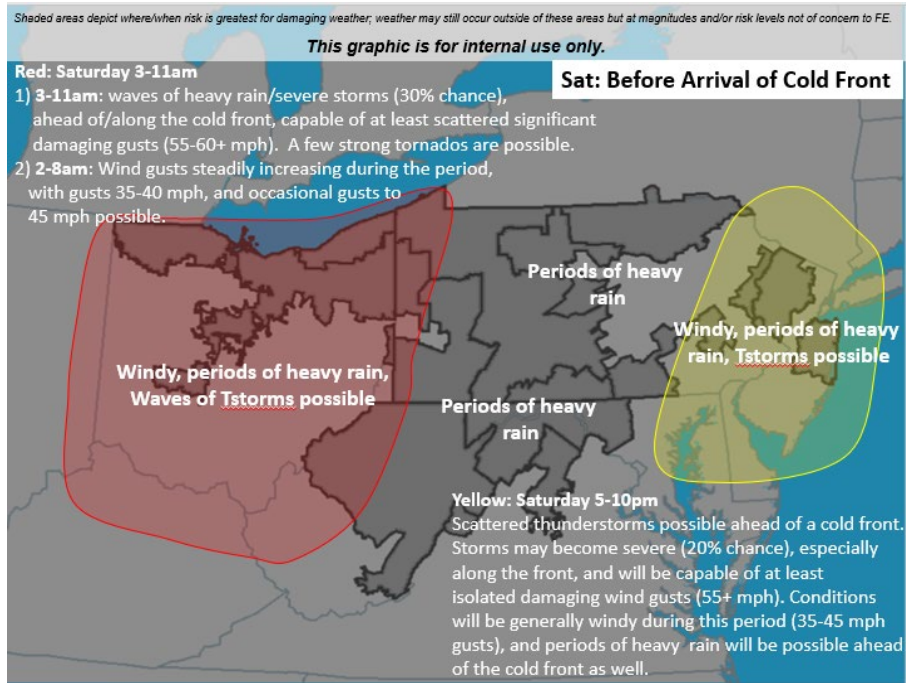
Late night forecast update is needed to address changes in the severe storm potential across Ohio early Saturday, and eastern FirstEnergy Saturday evening.

Notable changes:

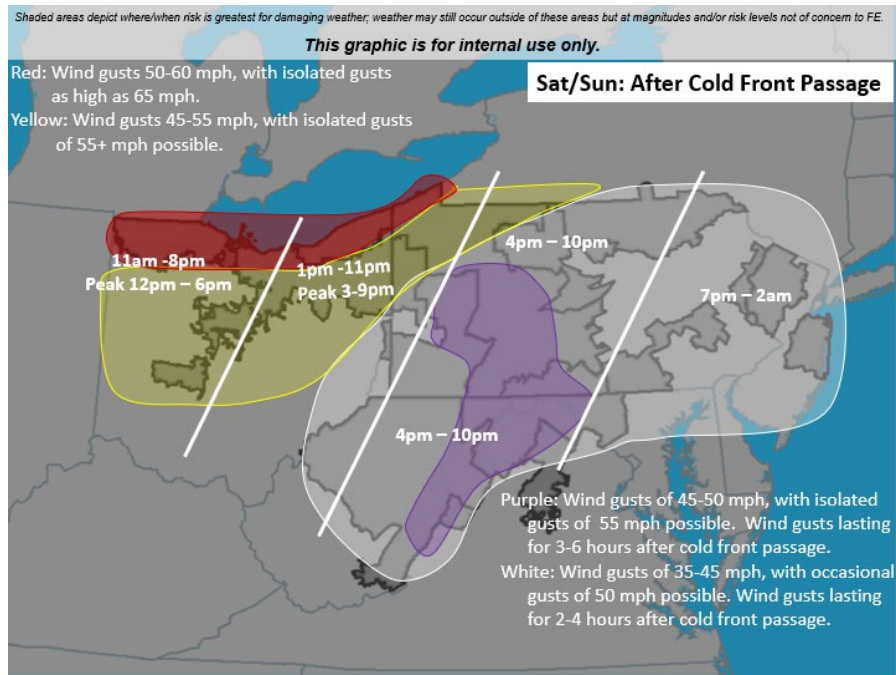
- Waves of severe thunderstorms/heavy rain showers, which will be capable both of damaging (55-60+ mph) wind gusts and potentially strong tornados, will push through portions of Ohio early Saturday. This threat will begin in earnest around 2/3am, and last until the cold front clears the area late Saturday morning.
- While the strongest threat originally appeared to be tied to the cold front later Saturday morning, it's becoming apparent that the threat is more generalized, and storms currently approaching Ohio from both the west and southwest will pose a threat of damaging gusts throughout early Saturday morning.
- Also need to address the developing tornado threat across portions of western/southern Ohio through about 8am Saturday morning—a few isolated strong tornados will be possible across this region.
- Slightly decreased the winds expected early Saturday morning across Ohio (independent of storms). Winds still be gusty across this region (35-40 mph), before experiencing a brief lull prior to the cold front moving through.
- Elsewhere, slightly raised the risk for damaging wind gusts due to severe storms/heavy rain showers along the cold front for portions of far eastern Pennsylvania and New Jersey Saturday evening.
- There are no major changes to the timing of the cold front, or general wind threat at this time. The rest of the forecast remains on track.

See updated graphics below for further information.

Next Update by 11am Saturday



West Penn Storm Report



Saturday, December 11, 2021 @ 0912

Update:

No major changes to the forecast this morning; the forecast remains largely on track.

Notable information/changes:

- Removed the mention of thunderstorms for areas across western FirstEnergy (Ohio, western Pennsylvania, western West Virginia), as that threat has already moved through this morning. A brief lull in conditions will occur across these areas, before the front moves through later this morning.
- The cold front is currently approaching western FirstEnergy. Wind gusts of 45-60 mph are being observed with this front in portions of Indiana this morning, so areas across Ohio should prepare for similar conditions as the front passes through throughout the morning.
- Made very minor adjustments to the approximate timing of the front. You probably won't even notice, but I couldn't help myself.
- Small changes to the wind map, to extend the possibility of some 60 mph gusts further into central Ohio, and adjusted areas across western/central Pennsylvania, Maryland and West Virginia where gusts of 55 mph could occur (mainly in higher elevations). Also made slight adjustments to the timing of the winds in western FirstEnergy.
- No real changes to the forecast for eastern FirstEnergy regarding the wind/front/thunderstorm forecast.

See updated graphics below for further information.

Last Scheduled Update

