

Tori L. Giesler, Esq.
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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 –
Metropolitan Edison Company; Docket No. M-2021-3023564***

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 67.1, Metropolitan Edison Company (“Met-Ed”) submits written notification of completed restoration efforts following an interruption that began December 11, 2021 that caused multiple service interruptions in the Met-Ed 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, Pennsylvania 17105-3265

1. Reporting Utility: Metropolitan Edison Company ("Met-Ed")
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:

December 12, 2021
(Date)

0240
(Time)

5. Interruption or Outage:

(a) Number of customers affected: 10,005 (Represents 1.7% of Met-Ed'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
Adams	434	6	7
Berks	3,257	77	64
Bucks	285	16	7
Chester	160	6	2
Cumberland	1	1	2
Dauphin	292	4	3
Lancaster	50	2	1
Lebanon	230	6	9
Lehigh	164	4	2
Monroe	259	11	5
Montgomery	22	2	2
Northampton	490	11	12
York	4,361	35	21
Totals	10,005	181	137

(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 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 Met-Ed’s service territory. Wind gusts in the affected area 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. The Reading, Hamburg, Boyertown and Easton areas were the hardest hit. Approximately 73% of the total outages that occurred were tree related.

Preliminary data indicate the reliability impact of the storm was 6.4 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 365.3 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
Met-Ed	146	Line Workers
Subtotal	146	
Henkels & McCoy	11	Line Contractor
J.W. Didado	7	Line Contractor
Haugland	10	Line Contractor
Miller Brothers	15	Line Contractor
NG Gilbert	13	Line Contractor
Valiant	4	Line Contractor
Subtotal	60	
Lewis Tree	13	Forestry Contractor
Penn Line Services, Inc.	19	Forestry Contractor
Treesmiths	25	Forestry Contractor
Davey Tree Experts	6	Forestry Contractor
York Tree Service	2	Forestry Contractor
Nelson Tree Service	6	Forestry Contractor
Asplundh Tree Experts	2	Forestry Contractor
Subtotal	73	
Met-Ed	82	Supporting Roles
Contractors	11	Supporting Roles
Subtotal	93	
Grand Total	372	

- (i) The date and time of the first information of a service interruption: December 11, 2021 at 1728.
- (j) The date and time that repair crews were assembled: Crews were on duty in anticipation of the storm with additional crews called in to support restoration.
- (k) The actual time that service was restored to the last affected customer: December 13, 2021 at 1225. In addition, Met-Ed was able to restore approximately 65.5% 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	114
Secondary Spans Replaced	14
Crossarms Replaced	56
Cutouts Replaced	82
Poles Replaced	25
Transformers Replaced	20
Wire & Cable Replaced (feet)	3,689

- (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 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
11865956-4	Berks	26	2,309	12/11/2021 2156	12/13/2021 1225
11864120-4	Berks	1	2,286	12/11/2021 2155	12/13/2021 1201
11865168-4	Berks	2	1,776	12/11/2021 2224	12/13/2021 0400
11864770-2	Berks	2	1,731	12/11/2021 2301	12/13/2021 0352
11864775-3	Berks	5	1,664	12/11/2021 2217	12/13/2021 0201
11863512-3	Berks	25	1,654	12/11/2021 1738	12/12/2021 2112
11864162-2	Berks	80	1,530	12/11/2021 2204	12/12/2021 2334
11863954-2	York	1	1,496	12/11/2021 2104	12/12/2021 2200
11864127-2	Berks	11	1,402	12/11/2021 2157	12/12/2021 2119
11863833-2	Montgomery	1	1,380	12/11/2021 2101	12/12/2021 2001
11864712-3	Berks	6	1,379	12/12/2021 0136	12/13/2021 0035
11864177-4	Berks	7	1,364	12/11/2021 2207	12/12/2021 2051
11864210-2	Berks	7	1,319	12/11/2021 2213	12/12/2021 2012
11863770-2	Berks	49	1,316	12/11/2021 2049	12/12/2021 1845
11864476-2	York	1	1,295	12/11/2021 2320	12/12/2021 2055
11865577-1	Berks	1	1,277	12/11/2021 2232	12/12/2021 1949
11864071-2	Berks	1	1,263	12/11/2021 2144	12/12/2021 1847
11863356-2	York	1	1,256	12/11/2021 1942	12/12/2021 1638
11864358-2	Bucks	1	1,204	12/11/2021 2244	12/12/2021 1848
11863310-1	York	4	1,188	12/11/2021 1937	12/12/2021 1525
11863685-3	Berks	35	1,182	12/11/2021 2042	12/12/2021 1624
11863523-1	Berks	22	1,172	12/11/2021 2031	12/12/2021 1603
11864120-2	Berks	170	1,143	12/11/2021 2155	12/12/2021 1658
11864471-1	Berks	44	1,133	12/11/2021 2319	12/12/2021 1812
11864433-1	Berks	26	1,127	12/11/2021 2058	12/12/2021 1545
11864615-1	Chester	3	1,122	12/12/2021 0018	12/12/2021 1900
11863408-2	Lebanon	4	1,113	12/11/2021 1958	12/12/2021 1431
11864268-2	Lehigh	3	1,100	12/11/2021 2227	12/12/2021 1647
11864057-1	Berks	5	1,100	12/11/2021 2141	12/12/2021 1601
11864612-1	Berks	1	1,094	12/12/2021 0018	12/12/2021 1832
11864477-2	York	2	1,085	12/11/2021 2317	12/12/2021 1722

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.

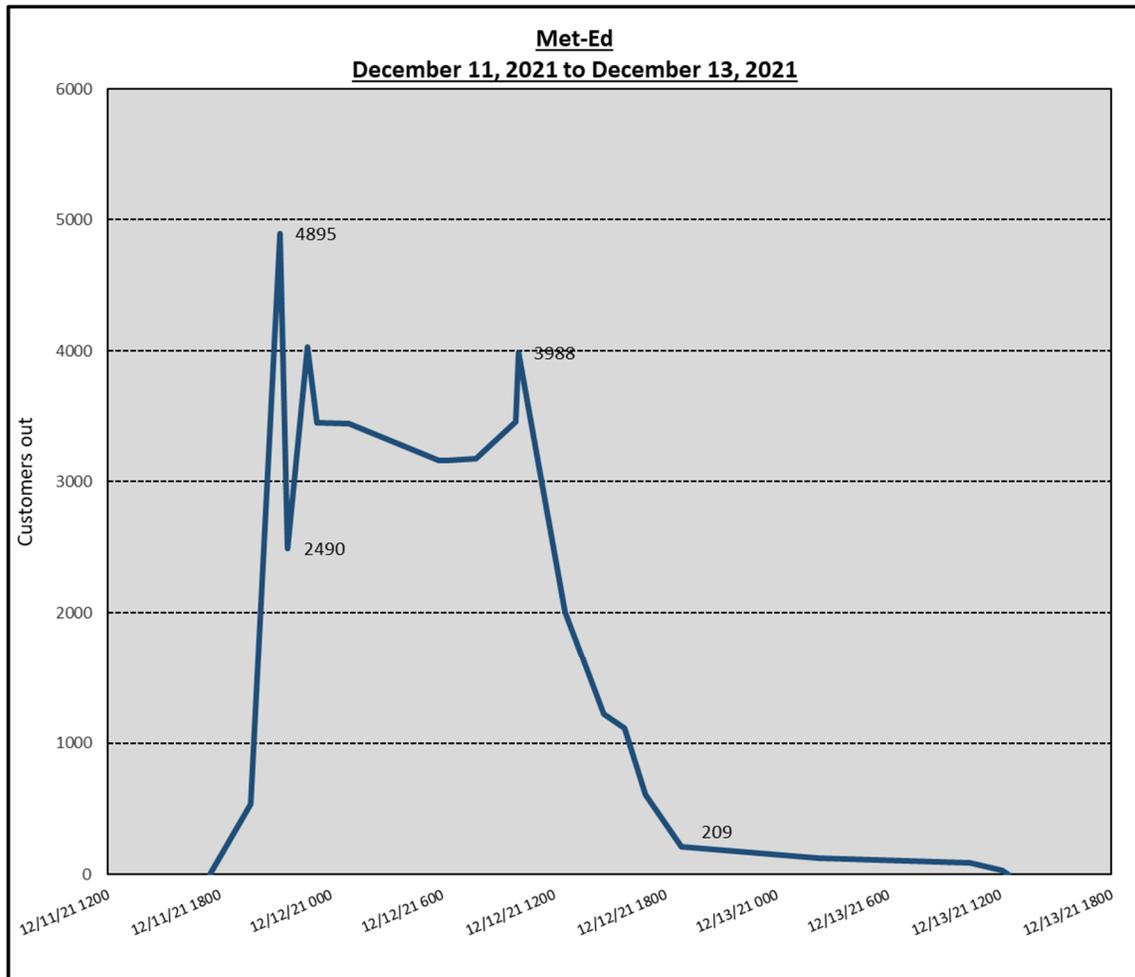
Met-Ed Storm Report

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
11864475-3	Berks	14	1,077	12/11/2021 2311	12/12/2021 1708
11864242-3	Berks	18	1,071	12/11/2021 2221	12/12/2021 1612
11864791-2	Berks	3	1,067	12/12/2021 0414	12/12/2021 2201
11863961-1	Bucks	3	1,060	12/11/2021 2115	12/12/2021 1455
11864104-1	Berks	1	1,042	12/11/2021 2152	12/12/2021 1514
11864477-2	York	327	1,033	12/11/2021 2317	12/12/2021 1630
11864212-2	Berks	15	1,018	12/11/2021 2213	12/12/2021 1511
11864570-2	Berks	77	1,012	12/12/2021 0002	12/12/2021 1654
11864745-1	Berks	149	1,011	12/11/2021 2044	12/12/2021 1335
11864756-1	Chester	10	1,010	12/11/2021 2203	12/12/2021 1453
11864434-1	Berks	8	1,009	12/11/2021 2215	12/12/2021 1504
11865352-1	Berks	80	991	12/11/2021 2044	12/12/2021 1315
11863904-2	Bucks	5	985	12/11/2021 2111	12/12/2021 1336
11863880-2	York	1	985	12/11/2021 2109	12/12/2021 1334
11865292-3	Berks	5	977	12/12/2021 0729	12/12/2021 2346
11863889-2	Lehigh	74	969	12/11/2021 2110	12/12/2021 1319
11864623-2	Bucks	1	969	12/12/2021 0026	12/12/2021 1635
11864087-3	York	64	961	12/11/2021 1938	12/12/2021 1139
11864275-1	Montgomery	21	961	12/11/2021 2228	12/12/2021 1429
11864115-1	Berks	4	951	12/11/2021 2154	12/12/2021 1345
11865571-1	Chester	49	948	12/11/2021 2129	12/12/2021 1317
11864338-3	Berks	99	945	12/11/2021 2235	12/12/2021 1420
11864359-2	Monroe	74	944	12/11/2021 2241	12/12/2021 1425
11864898-2	Berks	31	933	12/11/2021 2311	12/12/2021 1444
11863983-2	York	41	932	12/11/2021 2119	12/12/2021 1251
11863445-2	Lehigh	86	928	12/11/2021 2013	12/12/2021 1141
11864621-1	Berks	6	908	12/12/2021 0025	12/12/2021 1533
11863425-2	York	135	907	12/11/2021 2006	12/12/2021 1113
11865340-1	Berks	159	903	12/11/2021 2041	12/12/2021 1144
11863370-2	York	52	896	12/11/2021 1944	12/12/2021 1040
11864462-3	Northampton	2	882	12/11/2021 2318	12/12/2021 1400
11863874-2	Chester	83	874	12/11/2021 2123	12/12/2021 1157
11864056-3	York	10	871	12/11/2021 2141	12/12/2021 1212
11863948-2	Dauphin	7	848	12/11/2021 2114	12/12/2021 1122
11863656-3	Berks	9	840	12/11/2021 2040	12/12/2021 1040
11864430-1	Berks	53	839	12/11/2021 2218	12/12/2021 1217
11864220-3	Berks	29	838	12/11/2021 2218	12/12/2021 1216

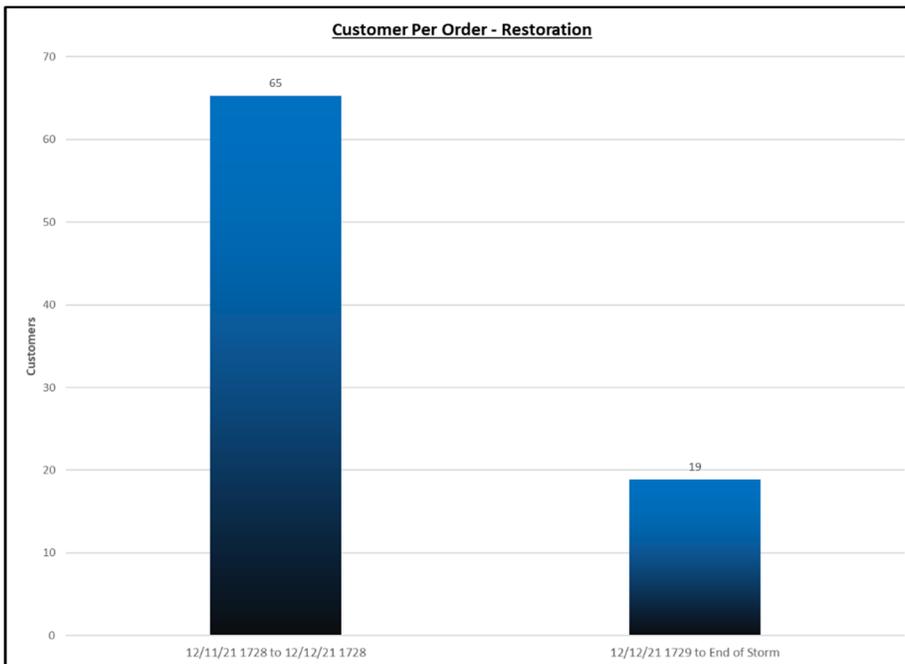
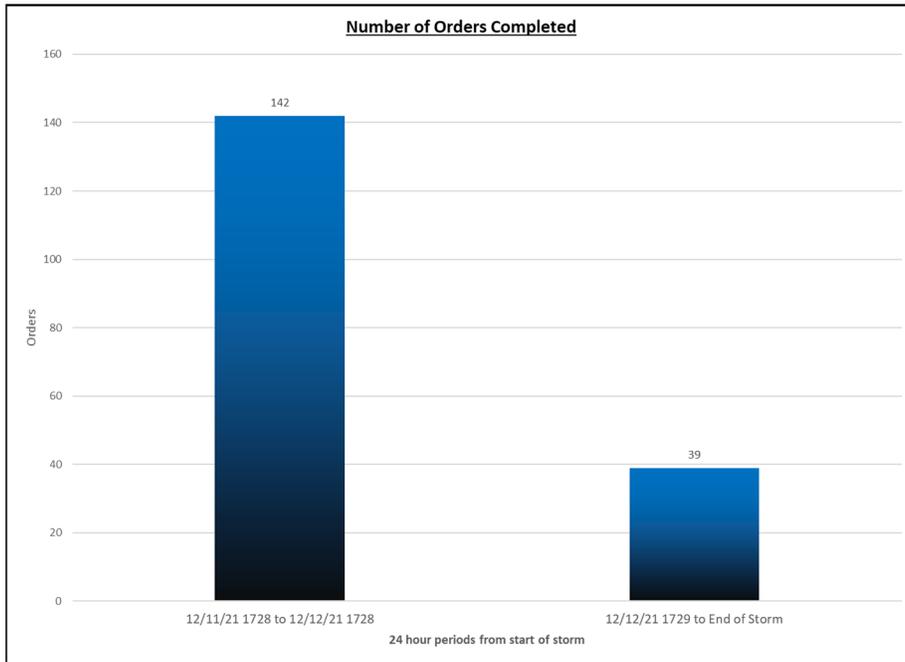
Met-Ed Storm Report

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
11864119-1	Berks	22	833	12/11/2021 2154	12/12/2021 1147
11864755-1	Berks	8	827	12/11/2021 2320	12/12/2021 1307
11865131-1	Chester	9	823	12/12/2021 0704	12/12/2021 2047
11864808-2	Berks	2	821	12/12/2021 0620	12/12/2021 2001
11864112-1	Berks	65	821	12/11/2021 2152	12/12/2021 1133
11864931-1	Lebanon	7	804	12/11/2021 2148	12/12/2021 1112
11864348-1	Berks	2	786	12/11/2021 2241	12/12/2021 1147
11864153-2	Berks	101	780	12/11/2021 2201	12/12/2021 1101
11864105-2	Berks	137	770	12/11/2021 2153	12/12/2021 1043
11864395-2	Northampton	135	740	12/11/2021 2255	12/12/2021 1115
11864543-2	Lebanon	8	734	12/11/2021 2345	12/12/2021 1159
11864145-1	Berks	6	731	12/11/2021 2200	12/12/2021 1011
11864817-3	Berks	6	723	12/12/2021 0504	12/12/2021 1707
11865602-2	Berks	1	693	12/12/2021 1313	12/13/2021 0046
11864621-1	Berks	46	689	12/12/2021 0025	12/12/2021 1154
11863988-1	Bucks	1	679	12/11/2021 2122	12/12/2021 0841
11864780-1	York	14	672	12/12/2021 0328	12/12/2021 1440
11864091-1	Berks	5	661	12/11/2021 2147	12/12/2021 0848
11864765-2	Berks	19	635	12/12/2021 0256	12/12/2021 1331
11864845-1	Chester	6	634	12/12/2021 0528	12/12/2021 1602
11864203-1	Berks	25	608	12/11/2021 2212	12/12/2021 0820
11864661-2	Bucks	182	593	12/12/2021 0111	12/12/2021 1104
11864717-1	York	3	548	12/12/2021 0152	12/12/2021 1100
11862737-1	Bucks	3	539	12/11/2021 1728	12/12/2021 0227
11865242-1	Berks	110	527	12/12/2021 1003	12/12/2021 1850
11865001-1	Berks	3	508	12/12/2021 0813	12/12/2021 1641
11864215-1	Northampton	1	476	12/11/2021 2214	12/12/2021 0610
11864431-1	York	77	476	12/11/2021 2122	12/12/2021 0518
11864137-2	Bucks	8	468	12/11/2021 2112	12/12/2021 0500
11864791-1	Berks	3	462	12/12/2021 0414	12/12/2021 1156
11865931-2	Monroe	7	450	12/12/2021 1836	12/13/2021 0206
11864117-2	Bucks	3	432	12/12/2021 1005	12/12/2021 1717
11863804-2	Monroe	18	415	12/11/2021 2049	12/12/2021 0344
11864273-1	Berks	52	412	12/11/2021 2227	12/12/2021 0519
11863717-1	Lancaster	2	393	12/11/2021 2044	12/12/2021 0317
11865064-2	York	3	379	12/12/2021 0830	12/12/2021 1449
11865536-1	Berks	1	361	12/12/2021 1229	12/12/2021 1830

Attachment C: Restoration Curve



Attachment D: Order Restoration Graphs



Attachment E: FirstEnergy Meteorologist Reports

Wednesday December 08, 2021 @ 0853

New Issuance:

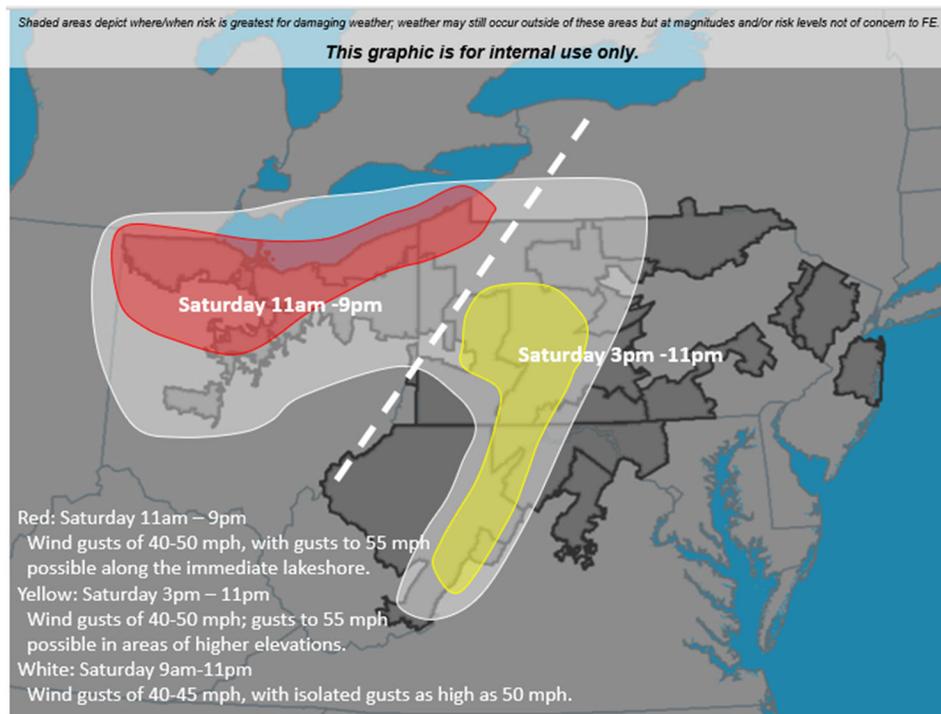
A strengthening storm system will pass to the north of FirstEnergy Friday and Saturday. This will drag a cold front through FirstEnergy Saturday, and likely provide a period of significant wind gusts behind the front—especially for areas of western and central FirstEnergy. The specific details of this 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.

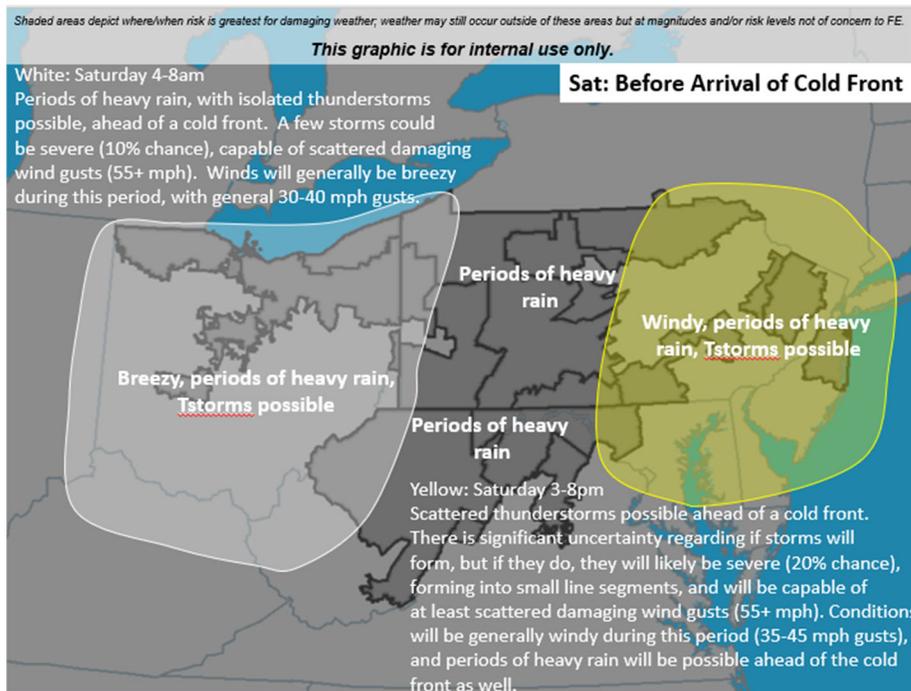
Key threats:

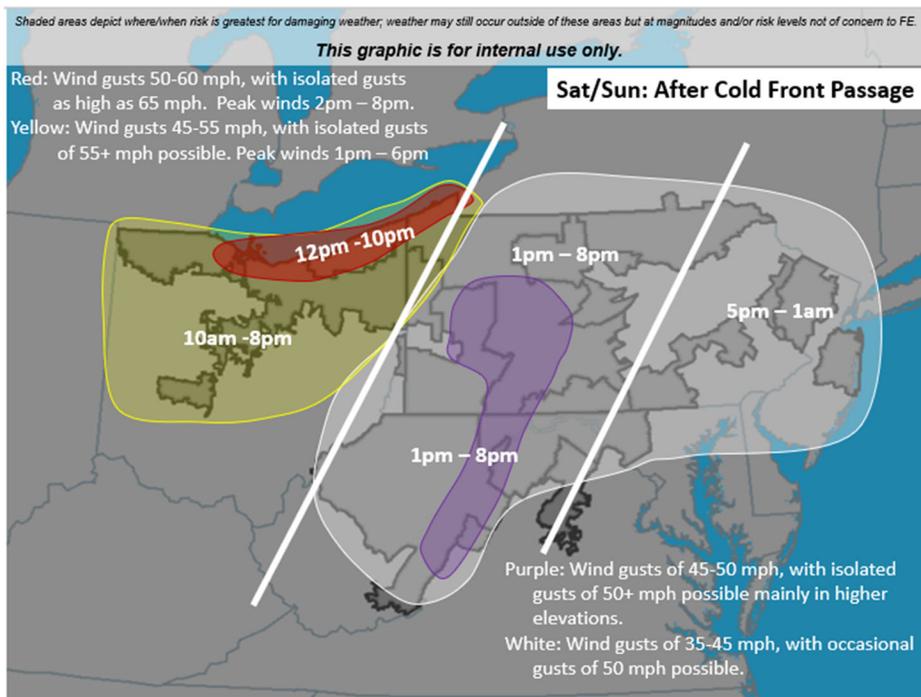
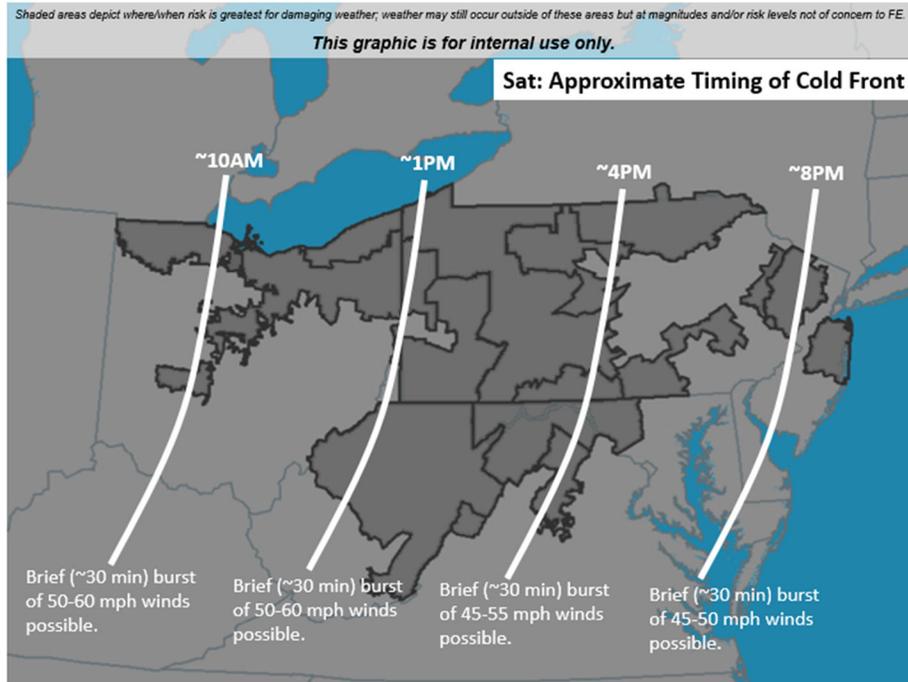
- Areas of northern Ohio and northwestern Pennsylvania—especially areas along the immediate lake shore—appear at risk of a 3-6 hour period of significant wind gusts. General wind gusts will likely exceed 50 mph in these regions, and lake shore areas could see wind gusts in excess of 60 mph.
- The thunderstorm 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:

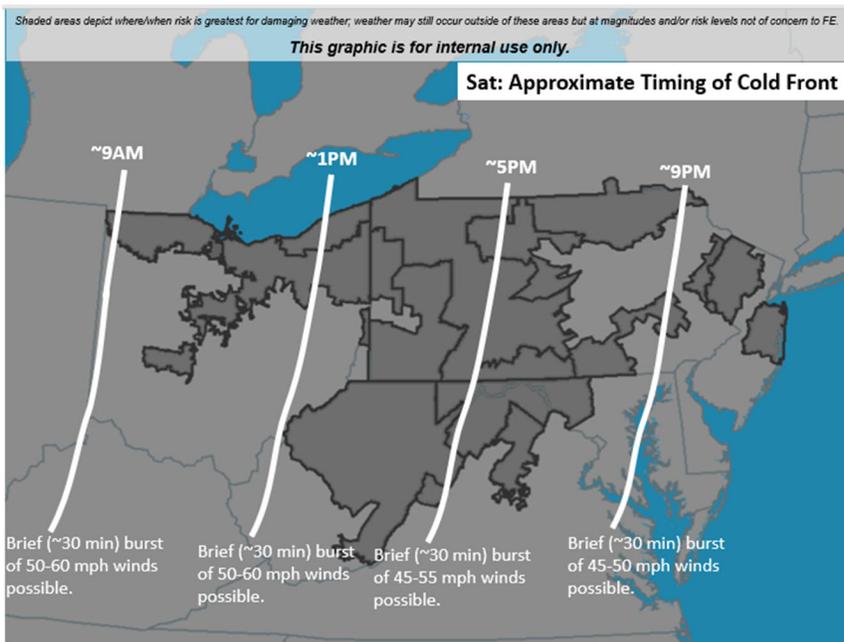
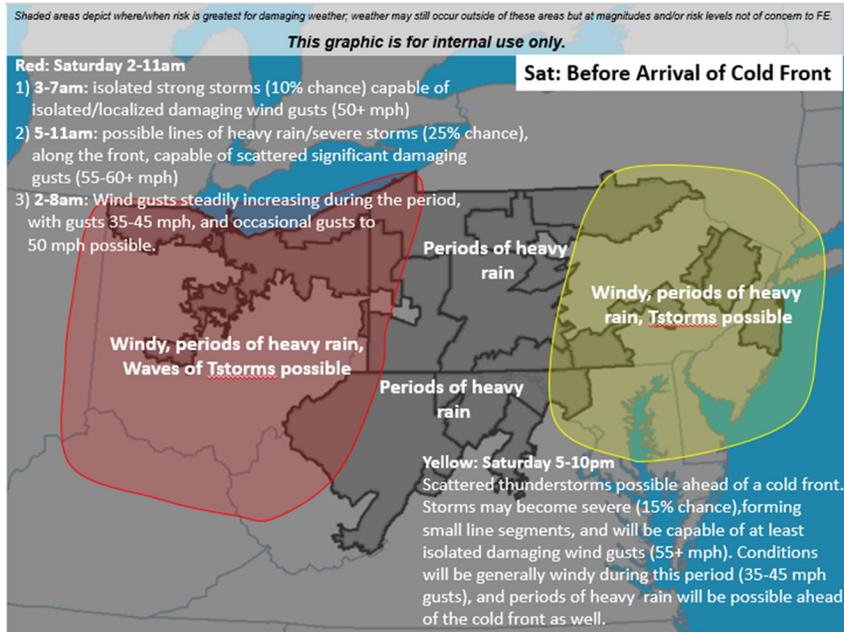
The main concept of this storm system remains on track. However, a general slowing of the cold front resulted in subtle changes to the wind/thunderstorm forecast, which are outlined below:

Notable changes:

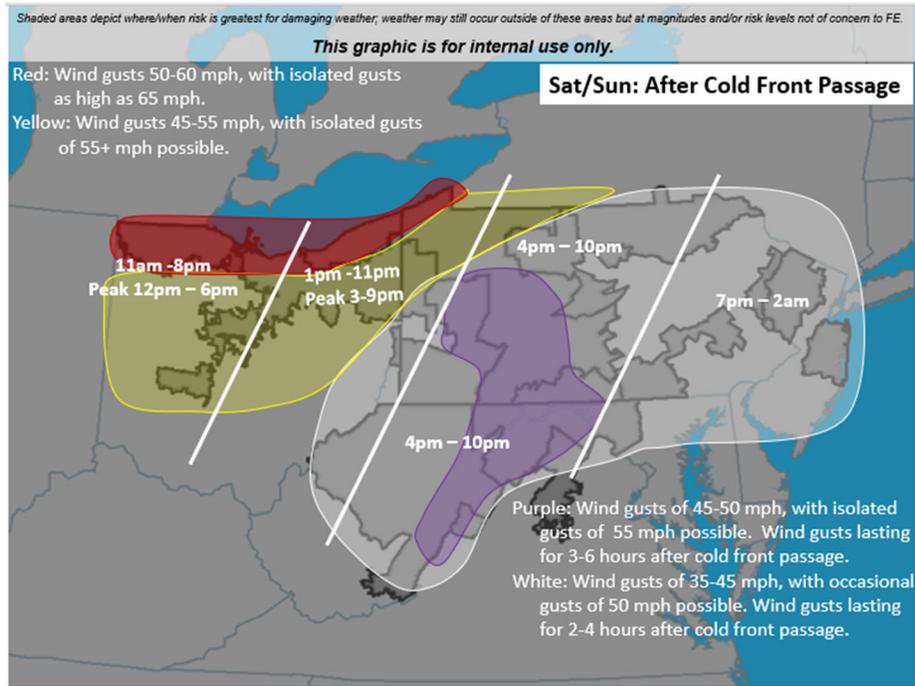
- General arrival and progression of the cold front, west-to-east, through FirstEnergy appears to have slowed by a few hours. This will generally push back the arrival of the front/strongest winds across most locations in FirstEnergy. These changes are provided on the updated graphics below.
- Increased 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 elevations.
- 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

Met-Ed Storm Report



Met-Ed Storm Report



Friday, December 10, 2021 @ 1144

Update:

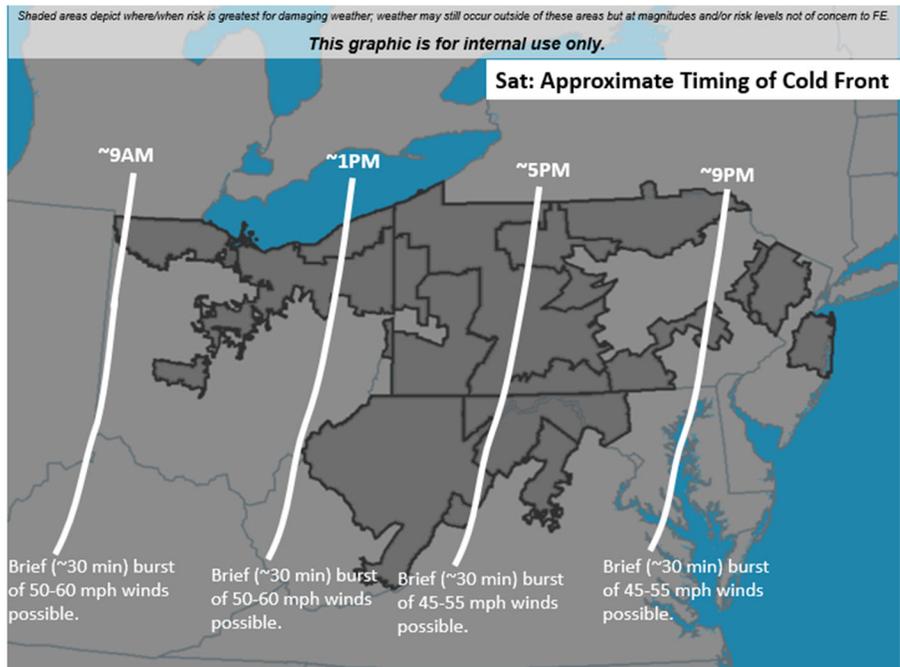
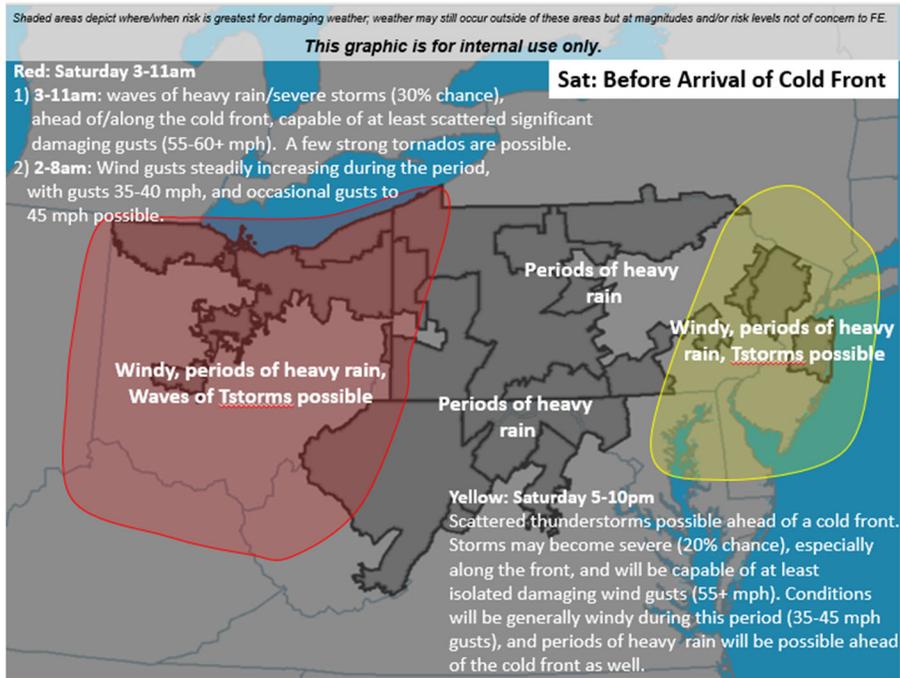
Late night forecast update is needed to address changes in the severe storm potential across Ohio early Saturday, and eastern FirstEnergy Saturday evening.

Notable changes:

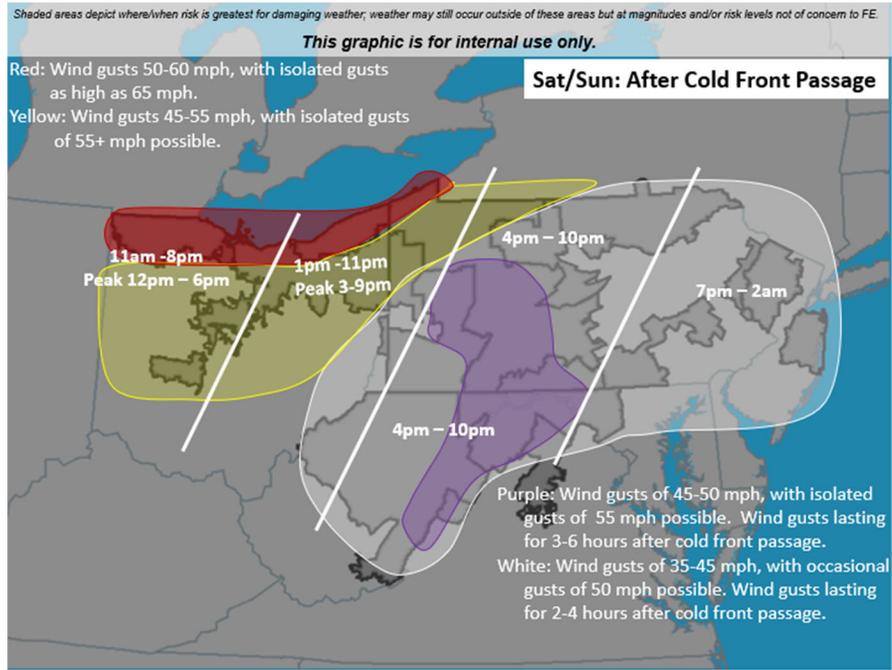
- Waves of severe thunderstorms/heavy rain showers, which will be capable both of damaging (55-60+ mph) wind gusts and potentially strong tornados, will push through portions of Ohio early Saturday. This threat will begin in earnest around 2/3am, and last until the cold front clears the area late Saturday 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



Met-Ed 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

