



A horizontal line at the top of the page contains six circular icons: a speech bubble, a person with a hard hat, a green circle, a globe, a water drop, and a bar chart. To the right of this line is a large, complex geometric pattern made of squares and triangles, some of which are filled with colors like green, red, blue, and black.

STORM RESPONSE DERECHO

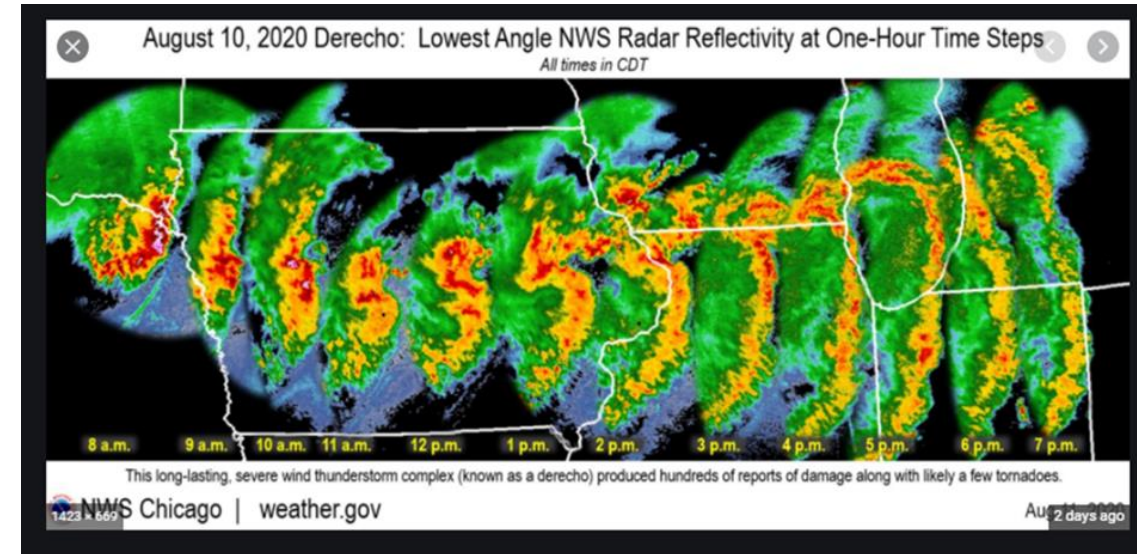
2020



Executive Summary



Radar Time Lapse – August 10



- On August 10, 2020, a derecho swept across Iowa and Illinois with sustained winds of up to 140 mph reported; significant damage to electrical and gas infrastructure was realized across the state
- At the peak of the event, 292,905 MidAmerican customers were out of power; outage response efforts immediately ensued allowing for nearly every customer to be restored by the end of the day August 16 and the final customer impacted by the storm to be restored at 2:51 a.m. on August 18
- A massive response effort was coordinated, including external mutual assistance requests fulfilled by personnel from over 20 different states, including employees from NV Energy, Pacific Power and Rocky Mountain Power; at the peak of the event, 2,546 employees and contracted personnel participated in the restoration efforts
- Crews worked to replace approximately 1,000 distribution poles, 61 transmission structures, and rebuild over 20 miles of primary distribution and transmission lines; additionally, more than 2,700 overhead electric services and approximately 60 gas service lines or meter sets were repaired or replaced
- The derecho and subsequent response to restore power and natural gas service exercised nearly every facet of MidAmerican's storm and emergency response plans
- Electric transmission, distribution and gas distribution assets were damaged in the Council Bluffs, Carroll, Audubon, Fort Dodge, Des Moines, Iowa City, Cedar Rapids and Quad Cities operations districts

Electric System Impacts



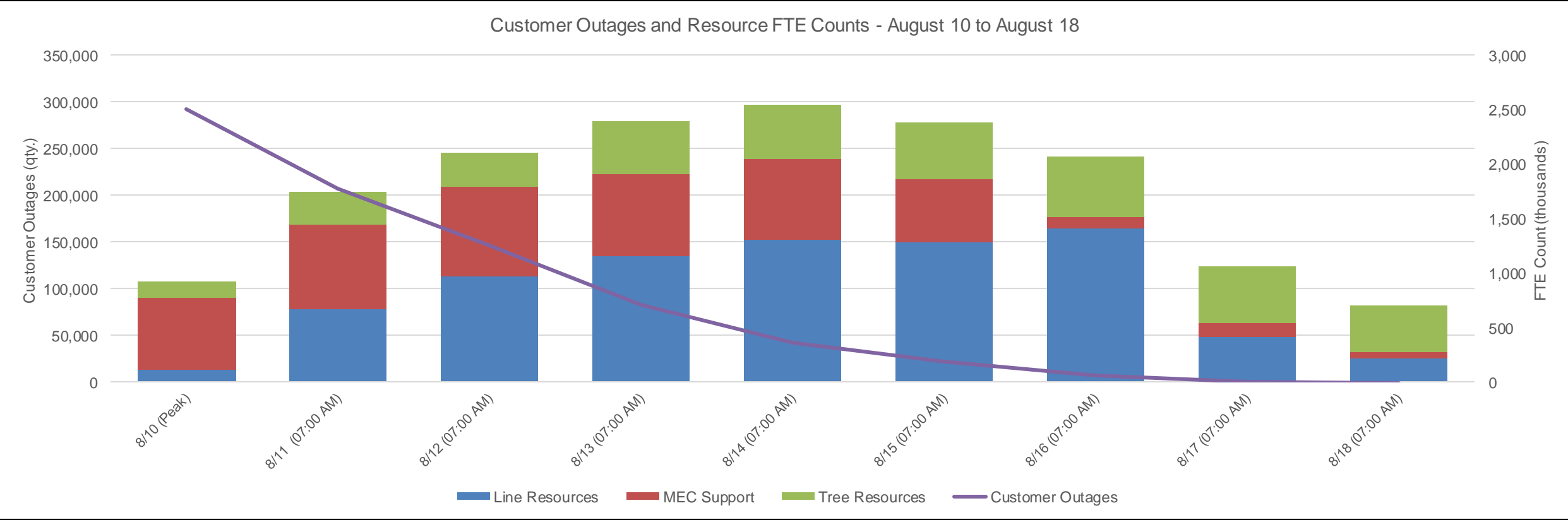
- Severe damage caused by high winds resulted in outages
 - Total service interruptions – 458,020
 - Total customer outages at peak – 292,905
- Crews responded to a total of 14,056 separate locations to restore service or address customer reports of damaged facilities
- Electric system impacts
 - 57 transmission line outages (61 structures)
 - 345-kV lines - 3
 - 161-kV lines - 14
 - 69-kV lines - 40
 - Distribution feeders
 - 15-kV feeder breakers locked out - 265

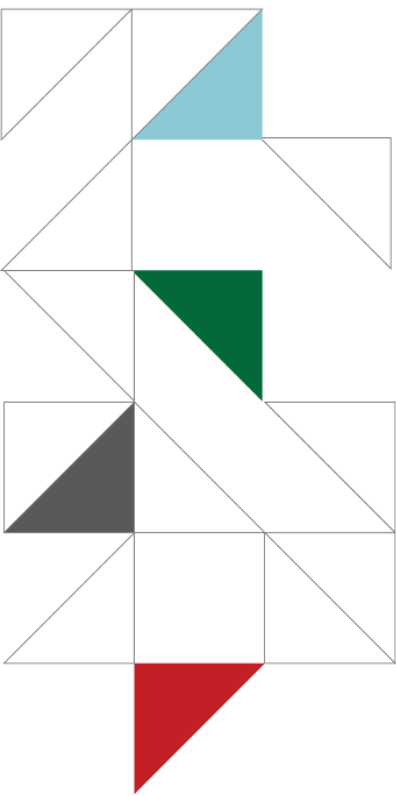


Restoration and Response



- Electric delivery opened the electric operations center on August 10 at 10:00 a.m. and commenced storm plan execution
- A team of employees providing mutual assistance to PSEG Long Island in Hicksville, New York, was called to return to Iowa at 12:00 p.m.
- Initial call for mutual assistance was made at 2:56 p.m., requesting 1,000 line resources and 1,000 tree resources
- As damage assessments from the field were completed, additional resources were requested and secured





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