

Obsessively, Relentlessly
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Service**



2019 Summer Preparedness

June 26, 2019

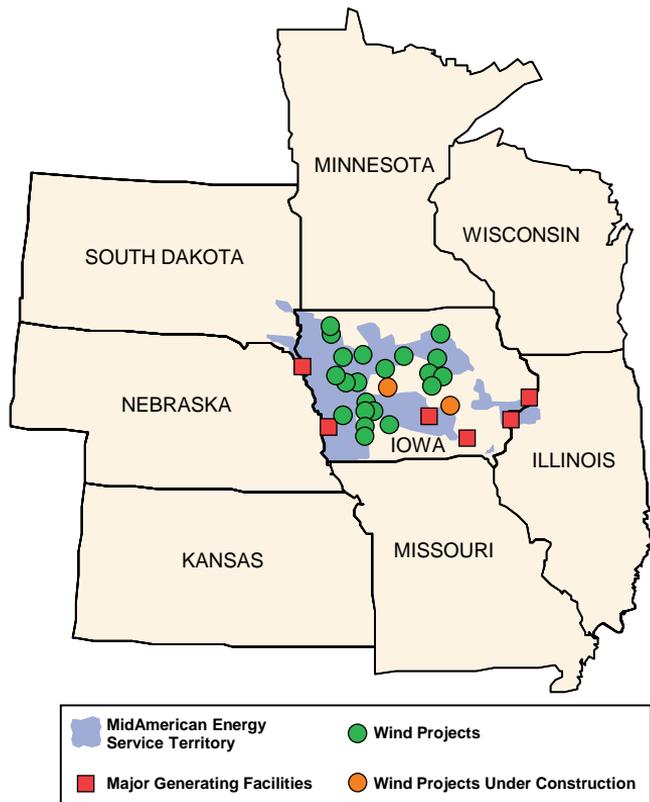


Outline

- Overview of MidAmerican Energy
- Demand and Capability
- Transmission System
- Storm Preparedness/Customer Communication
- Vegetation Management
- Delivery and Customer Response
- Energy Efficiency



MidAmerican Energy Company Overview



- Headquartered in Des Moines, Iowa
- 3,400 employees
- 1.6 million electric and natural gas customers in four Midwestern states
 - Approximately 85,000 electric and 66,000 natural gas customers in Illinois
- Illinois service territory is in the Quad Cities and surrounding areas
- 385 MW of owned power capacity allocated to Illinois
- Remainder of resources needed to serve Illinois load acquired through Illinois Power Agency procurement process



Summer Peak Coverage

- Sufficient capacity to meet the summer 2019 forecast
 - MISO capacity auction procured a small portion of Illinois requirement

Year	Forecast	Peak Load (MW)	Installed Capacity Resources (ICAP MW)	Reserve Margin (%)	Reserve Margin Requirement (MW)	Capacity Excess of Load	Capacity Excess of Requirement (MW)	DR + Customer Gen (MW)
2019	MidAmerican Energy system, normal weather	5,015	5,732	14%	5,250	717	482	298
2019	MidAmerican Energy system, extreme weather	5,377	5,732	7%	---	355	---	298
2019	MidAmerican Energy-Illinois, normal weather	447	395	-12%	485	(52)	(90)	19

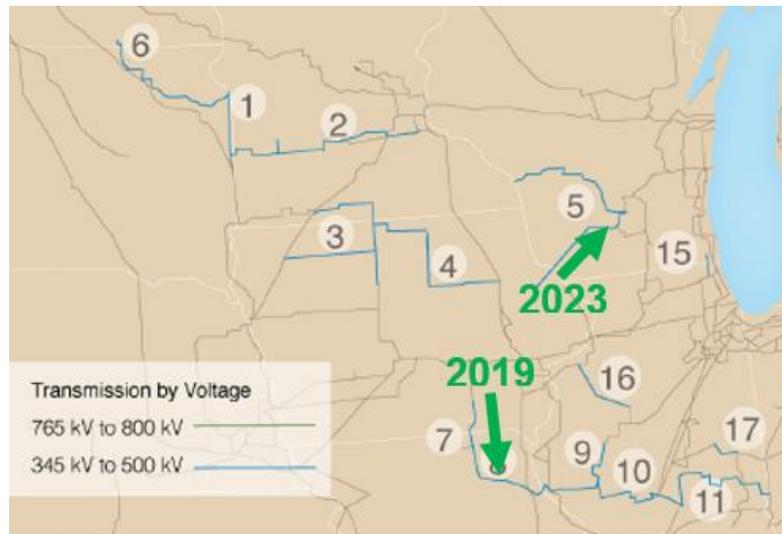
- 2018 actual and all-time peak

Year	Historical	Peak Load (System)	Capacity Resources	Capacity Excess of Load
2018	MidAmerican Energy 2018 actual and all-time peak: July 12, 2018	5,051	5,677	626



Transmission Loading

- Significant MISO Multi-Value Project (MVP) transmission expansion underway or completed, improving Iowa import/export capabilities
 - Iowa portions complete
 - New Iowa to Missouri link completed in 2019
 - New Iowa to Wisconsin link completed in 2023
- MidAmerican Energy expects its system to perform well
 - No facilities are expected to load above their rating for normal system conditions or single contingency events
 - Operating procedures prepared for certain double contingency events
 - MISO congestion management tools and transmission loading relief





Vegetation Management

- Three-year trim cycle for distribution system clearances
- Annual electric transmission inspection and remediation
- All tree-related outages impacting multiple customers are reviewed to determine if additional steps are needed to ensure future safety and reliability
 - 12.9% of Illinois customer outage minutes in 2018 were tree related (excludes major storm events)
 - 17.2% of Illinois customer outage minutes in 2018 were tree related (includes major storm events)
- Website and seasonal customer safety messaging
 - e-newsletters, safety ad campaigns, public outreach



Storm Preparedness and Outage Communications

- Local and remote storm centers opened, new state-of-the-art incident command center in Des Moines
- *Who to Call* information and safety provided in key messages
- Radio, television and online/digital, live interviews, real-time advertising, website Outage Watch
- Direct email notifications and updates (~75% of customers), and via proactive text updates with enrollment
- Expanding use of drones to assess storm damage to facilities
- Expanding monitoring and control of distribution system
 - Remote line sensors @ 50+ locations, adding 20 more in 2019
 - Implementing a Distribution SCADA system in 2019/2020

MidAmerican ENERGY
DEPENDABILITY. RELIABILITY. AFFORDABILITY. SERVICE.

Outage Update

Below is the most recent update regarding your power outage or issue. We will continue to provide updated information as soon as it becomes available.

Address Number(s): 2230 APT 4
Start Time: 02:01 p.m. 9/21/2017
Customers Impacted: 16
Crew Status: Working
Estimated Time of Restoration: 06:00 p.m. 9/21/2017
Cause: a weather related event

Select [pause](#) if you no longer want to receive updates for this issue. Updates will resume if future issues occur.

Thank you,
MidAmerican Energy Company

888-427-5632

YouTube LinkedIn Twitter Facebook





Outage Watch



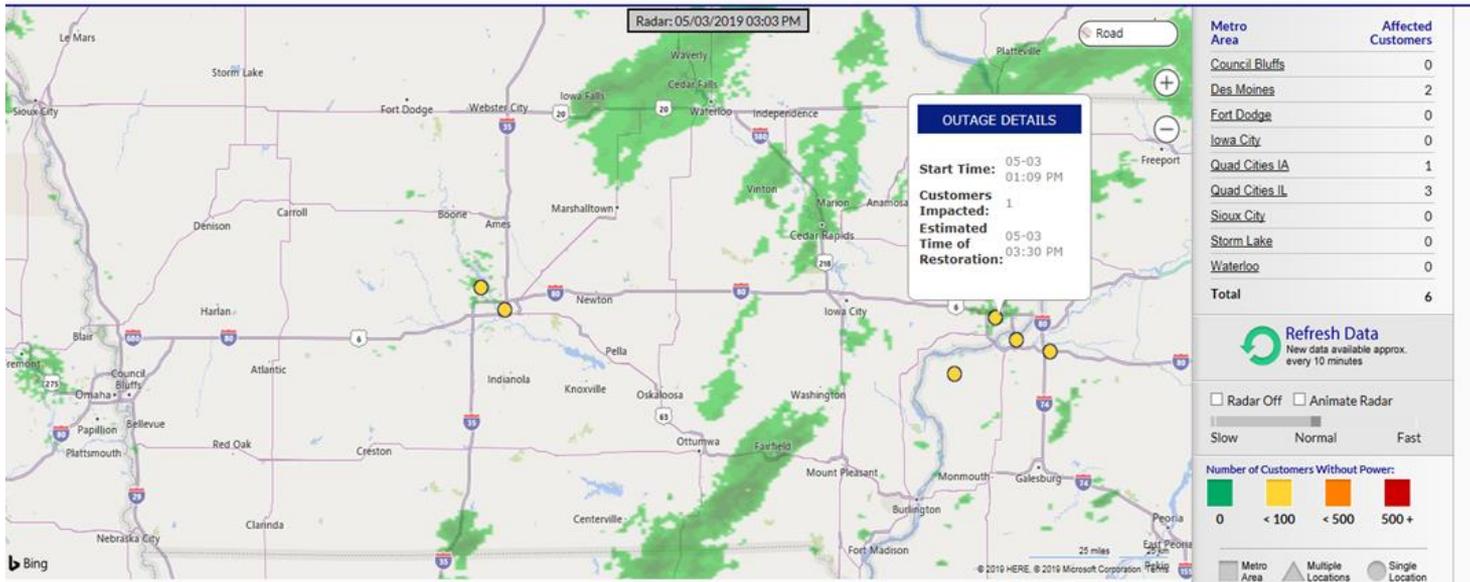
Report an Outage

Map City County Alerts

Caution: Stay far away from downed power lines.

For more outage details,

zoom in on the map or select from the City, County and Alerts tabs. Last Updated: 05-03 03:03 PM.



888-427-5632



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Energy Efficiency

- On July 1, 2019, MidAmerican Energy will file its 2020-2023 Energy Efficiency Plan with the Illinois Commerce Commission
- The new plan continues to provide a comprehensive portfolio of energy efficiency programs, while offering each sector the flexibility to participate at many levels, based on individual needs and building types
- Most programs will be offered as joint electric and natural gas programs; however, customers will only be eligible for the portion of the program consistent with the energy service purchased from MidAmerican Energy
- MidAmerican Energy expects to implement its 2020-2023 Plan no later than January 1, 2020, pending Commission approval



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