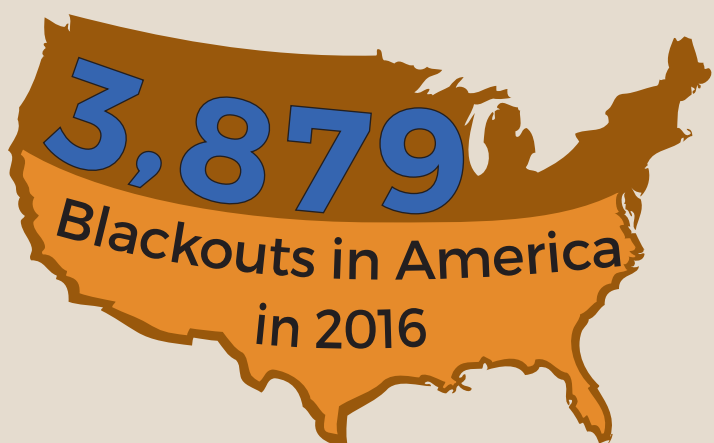


2016 Blackout Tracker Highlights



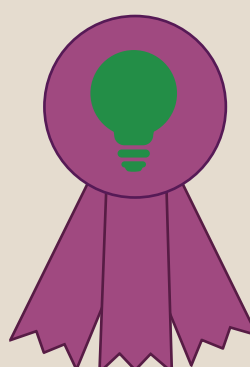
NATIONAL POWER

Smarter, nonstop power.

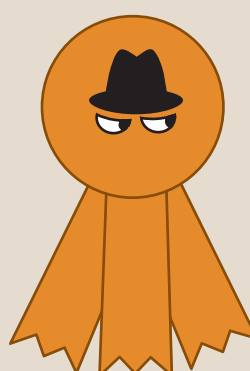


This is a 9% jump from 2015 when there were 3,571 blackouts.

Top Causes of Blackouts



UPS failure, including batteries, is the No. 1 cause of data center outages.

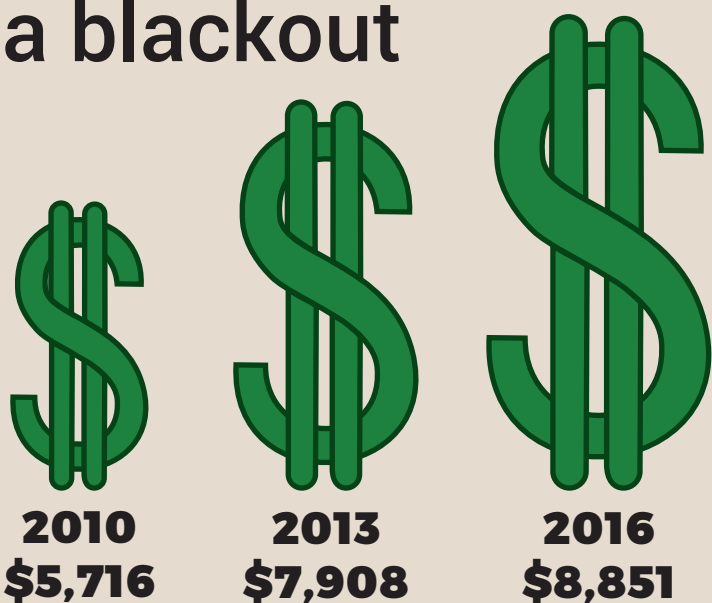


Cybercrime represents the fastest growing cause of data center outages.



Squirrels account for 73% of all animal-related outages.

Cost per minute of a blackout



The Future of Blackouts

Key factors that will influence the number and severity of blackouts in the coming years.

Using NASA's SMAP satellite, researchers are working to pinpoint where outages will occur due to severe weather before they happen.

A Global Market Insights report projected that the US data center UPS market will surpass \$6.65 billion by 2022.

By 2070 it is projected that there will be 119 flood-endangered electric substations in the southeastern US.



It is believed that state-sanctioned Russian hackers attempted to access the US electricity grid in 2016. The hackers were unsuccessful, but it is theorized they were investigating the complexity of the grid. Officials at the Department of Homeland Security believe the Russian hackers might attempt to replicate the attacks they made against Ukraine's power grid in 2015.

91% of surveyed IT professionals said their data center facilities were not adequately equipped to meet current needs of consumers and clients, even though 75% reported having upgraded their infrastructure within the past three years.



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All statements are taken from Eaton's Blackout Tracker: United States Annual Report 2016.