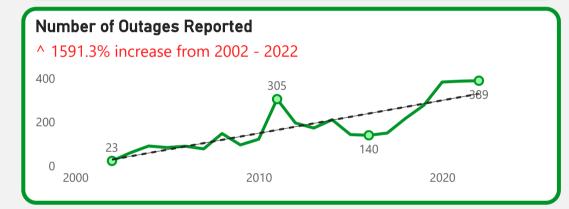
U.S. Department of Energy - Power Outage Analysis

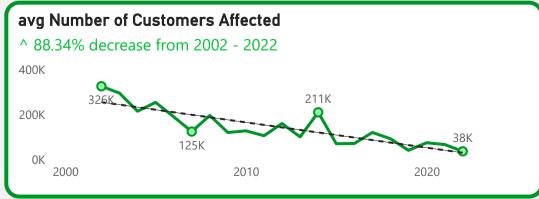
Trend Overview

This report provides an analysis in the trends of power outages in the US from 2002-2023, highlighting high risk areas and trend overviews to help prepare for future power outages.

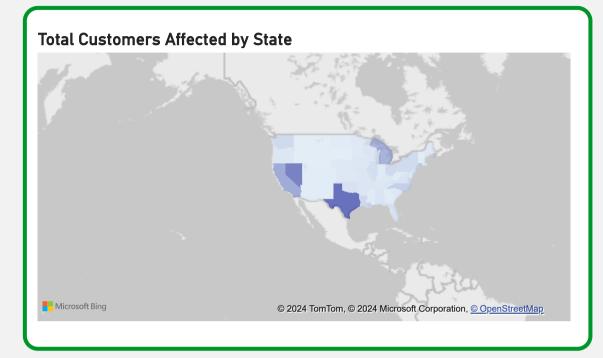
- The number of reported outages have increased heavily from 23 in 2002 to 389 in 2022. Over the period the number of affected customers and the duration per event has decreased by 88.34% and 88.1% respectively.
- Texas, California and Nevada are the top three states in

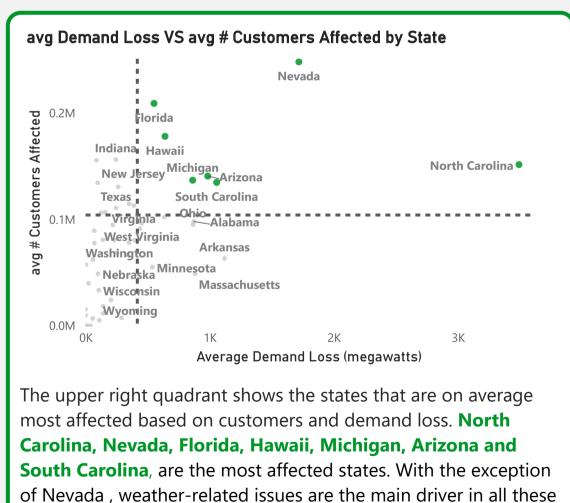






Regional Analysis



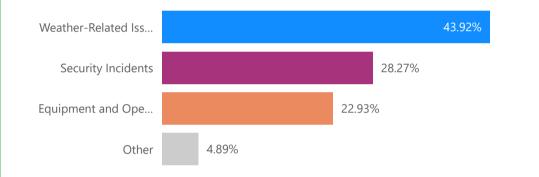


most affected states.

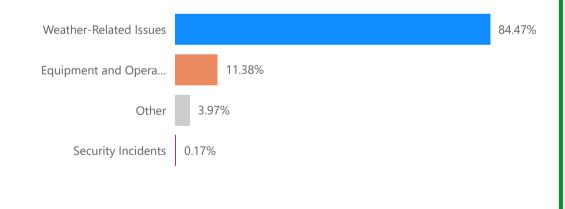
Event Cause Analysis

Weather-related issues make up **43.92**% of the total reported events and are the cause of **84.92**% of the total customers affected. Furthermore, power outages as a result of weather-related issues take substantially longer, averaging on **45 hours** per event compared to **15 hours** per event for the second longest event cause.





Total Customers Affected by Disturbance Category



Average of duration_hours by Disturbance Category

