

Austin Energy FY2022 Q4 Operations Update

November 2022

Stuart Reilly

Acting Deputy General Manager & Chief Operating Officer



Agenda

Quarterly Operations Update



Executive Summary



Reliability Performance



Environmental Performance



Grid Resilience Strategic Goal

Executive Summary



Generator availability on-target

For the fourth quarter, generation resources met or exceeded availability targets.



Reliability performance stable

Performance over the longer term is statistically consistent with top quartile industry benchmarks. Stable performance through all-time peak.



Carbon-free production on-target

69% carbon-free for July. 78% carbon-free rolling 12-month average.



Final After-Action Report Update

All 116 follow-up actions have been completed or operationalized. Full completion report is [available on the Austin Energy website](#).



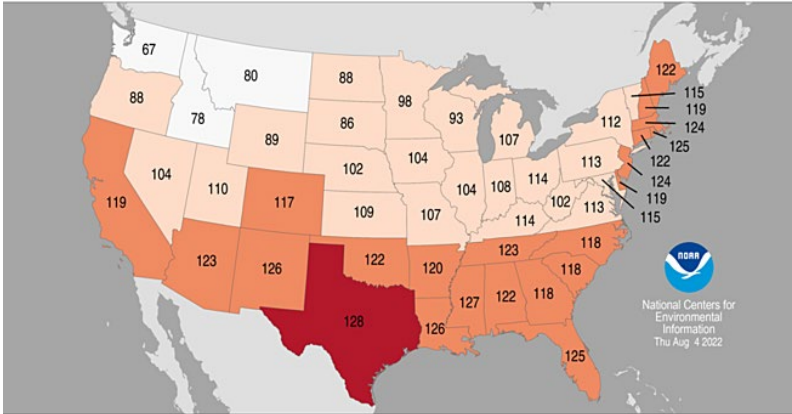
Austin Energy Operations Update

Reliability Performance

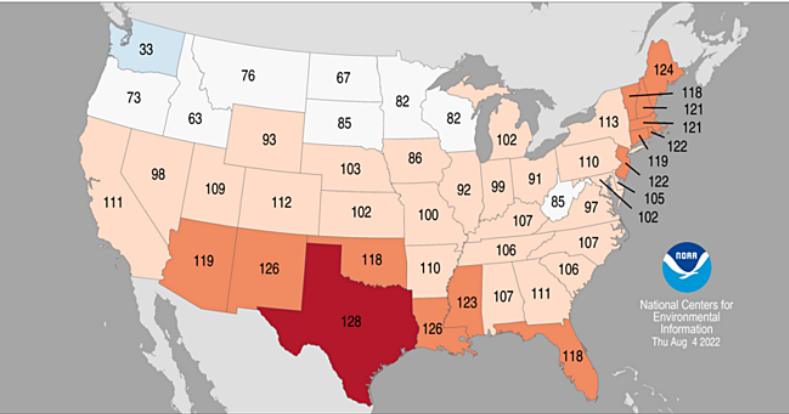


Record Hottest May - July

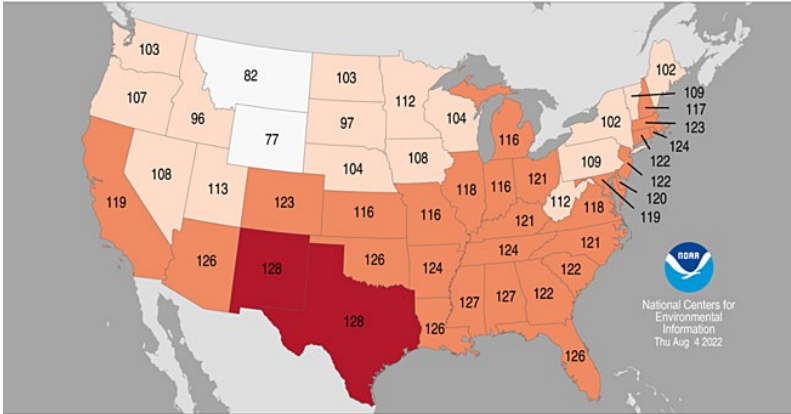
Statewide Average Temperature Ranks
May - July 2022
Period: 1895-2022



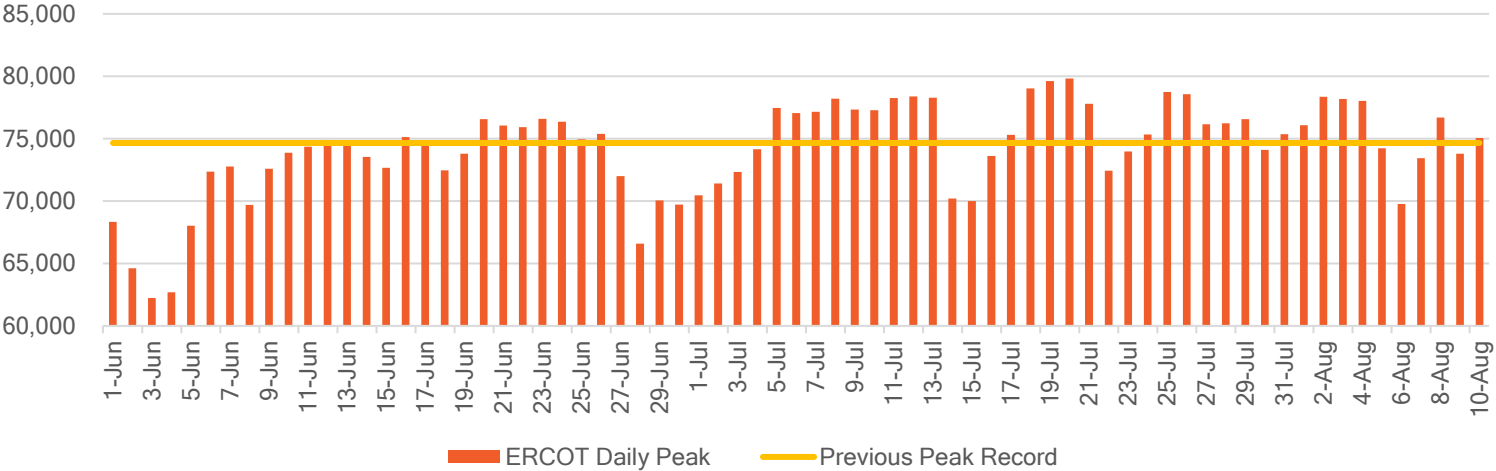
Statewide Maximum Temperature Ranks
May - July 2022
Period: 1895-2022



Statewide Minimum Temperature Ranks
May - July 2022
Period: 1895-2022



Daily ERCOT Peak Load Versus All-time Peak (Aug. 12, 2019)



Since June 1st:

ERCOT Load exceeded the previous hourly record 163 times (hours).

ERCOT Load exceeded the SARA Report peak forecast 53 times (hours).

Generator Commercial Availability & Start Success

Commercial Availability

Generation Resource	Target Seasonal Commercial % Availability	Commercial Availability Actuals (%)	
		Q3 FY22 AVG	Q4 FY22 AVG
Sand Hill Combined Cycle	95	100	97
Fayette Units	97	79	97
South Texas Project	100	100	100

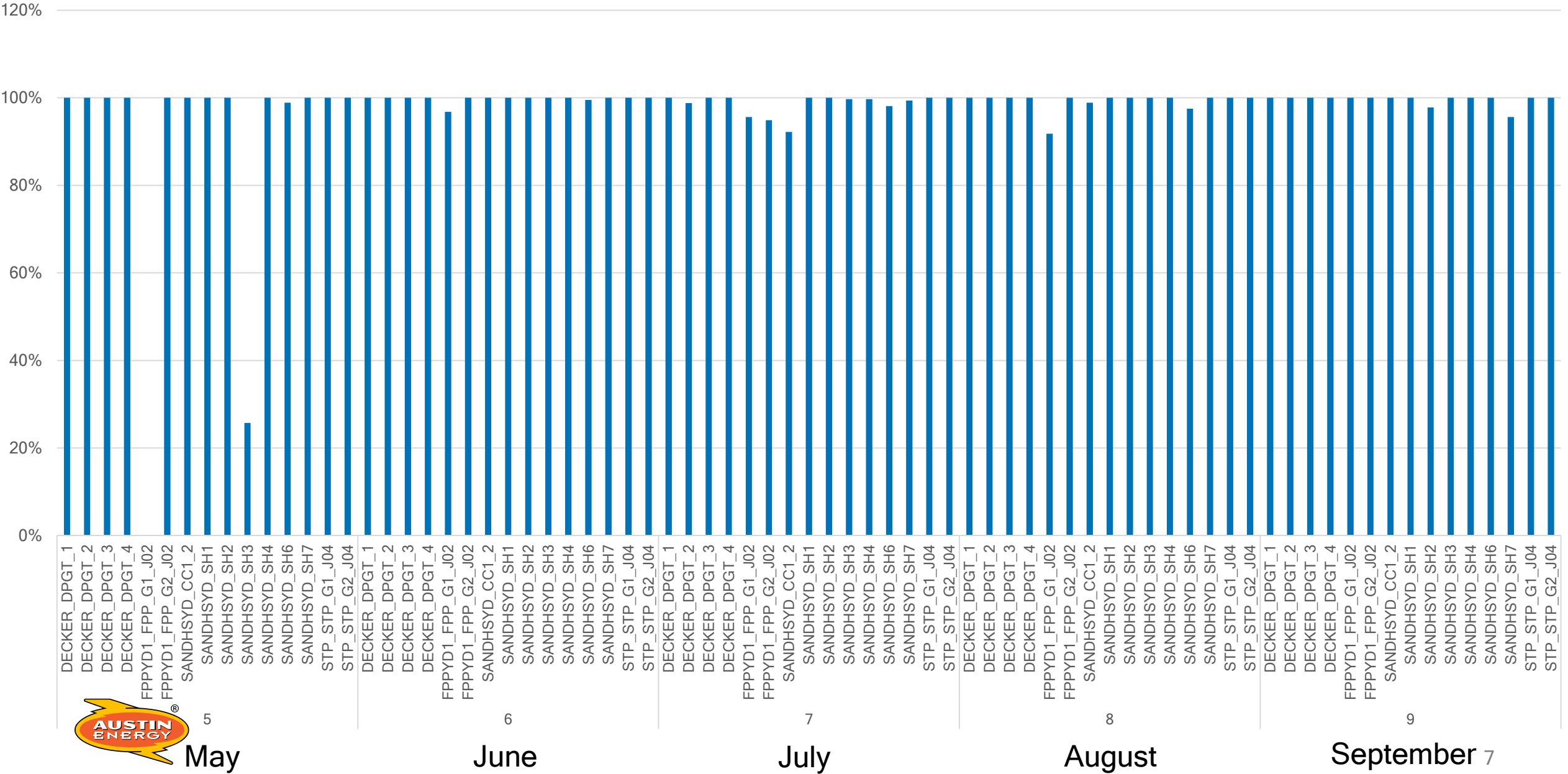
Commercial Availability values reflect maintenance or refueling outages typical for this period

Start Success

	Start Success Target(%)	Start Success Actuals (%)	
		Q3 FY22 AVG	Q4 FY22 AVG
Simple Cycle Start Success	99	100	100

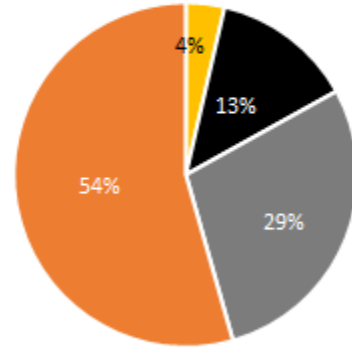


Generator Commercial Availability



Net Generation and Load Analysis FY 2022 Q4

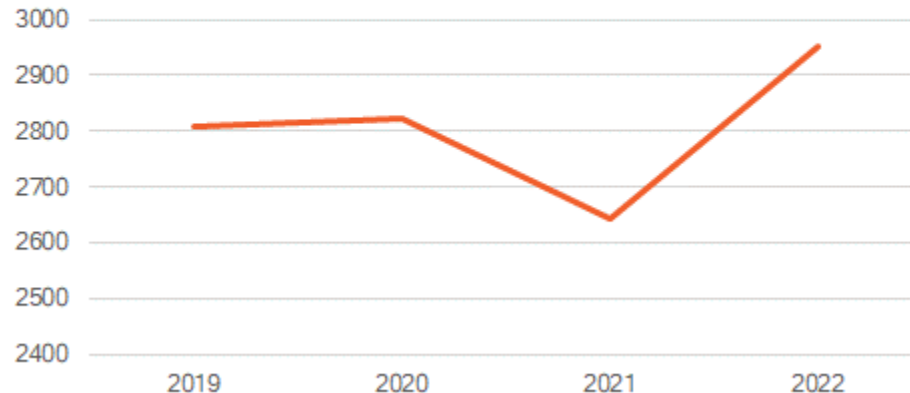
Power Generation Cost by Fuel Type



■ Nuclear ■ Coal ■ NG ■ Renewable

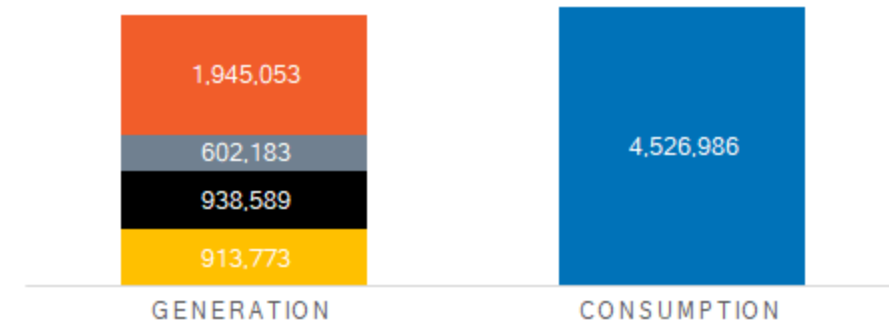
**Costs include fuel for generation, fuel transportation, renewable Power purchases agreements*

Historical FY22 Q4 System Peak Demand (MW)

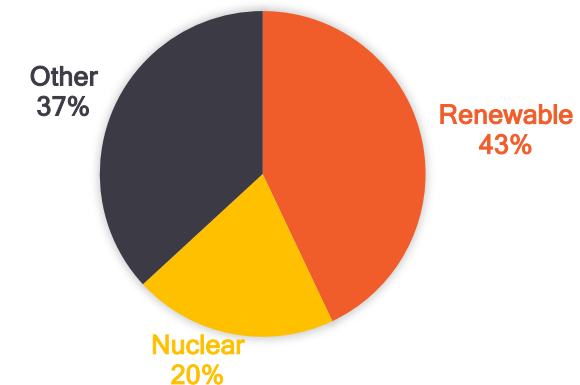


CONSUMPTION VS. GENERATION (MWH)

■ Nuclear ■ Coal ■ NG ■ Renewable



POWER GENERATION AS PERCENT OF CONSUMPTION



System Reliability

CAIDI = Customer Average Interruption Duration Index

Average time to restore service

SAIDI = System Average Interruption Duration Index

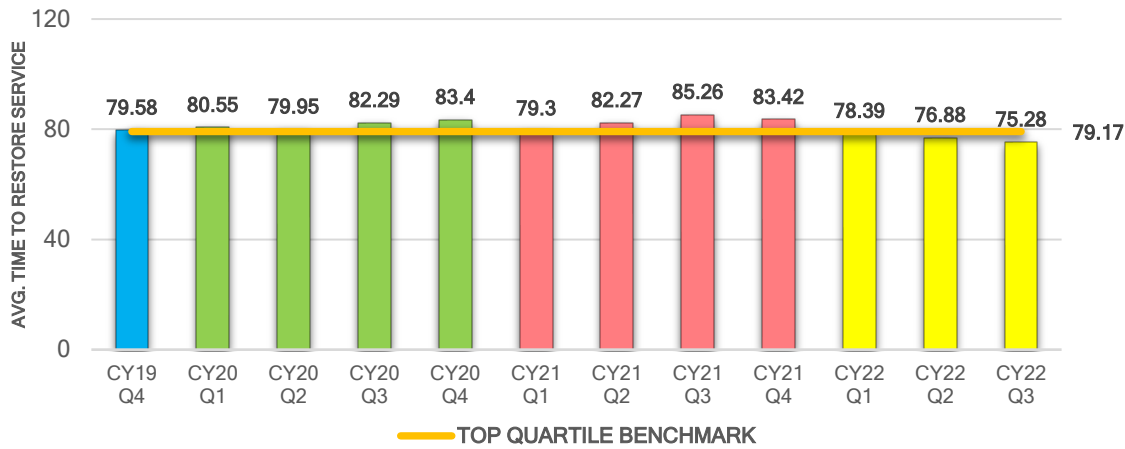
Total duration of interruptions for the average customer, during a period of time

SAIFI = System Average Interruption Frequency Index

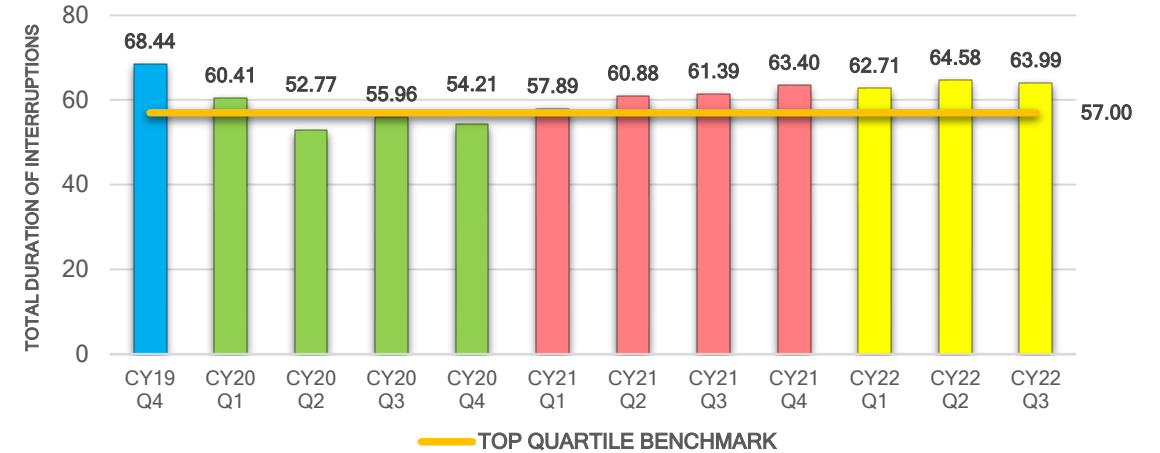
How often the average customer experiences a sustain interruption, over a period of time

MED = Major Event Days

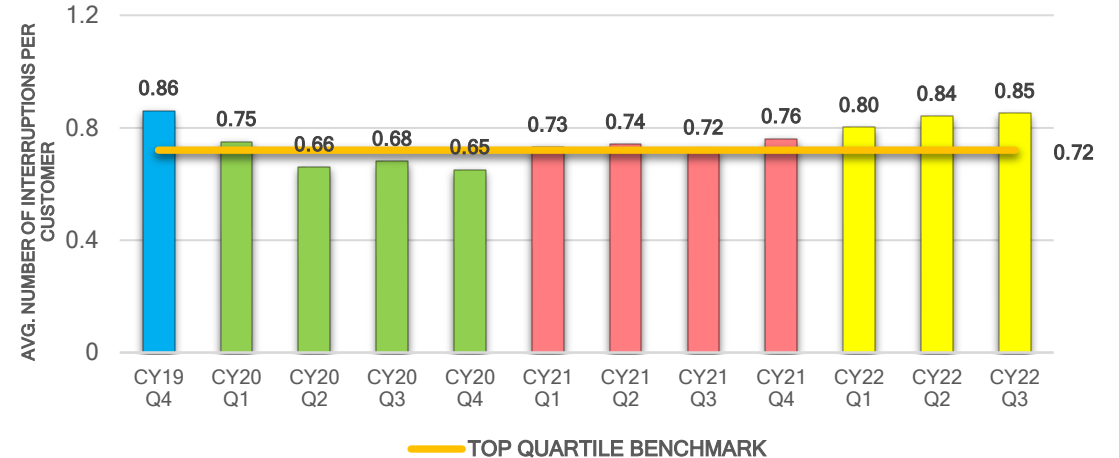
CAIDI w/o MED - CY19 - CY20 - CY21 - CY22



SAIDI w/o MED - CY19 - CY20 - CY21 - CY22



SAIFI w/o MED - CY19 - CY20 - CY21 - CY22

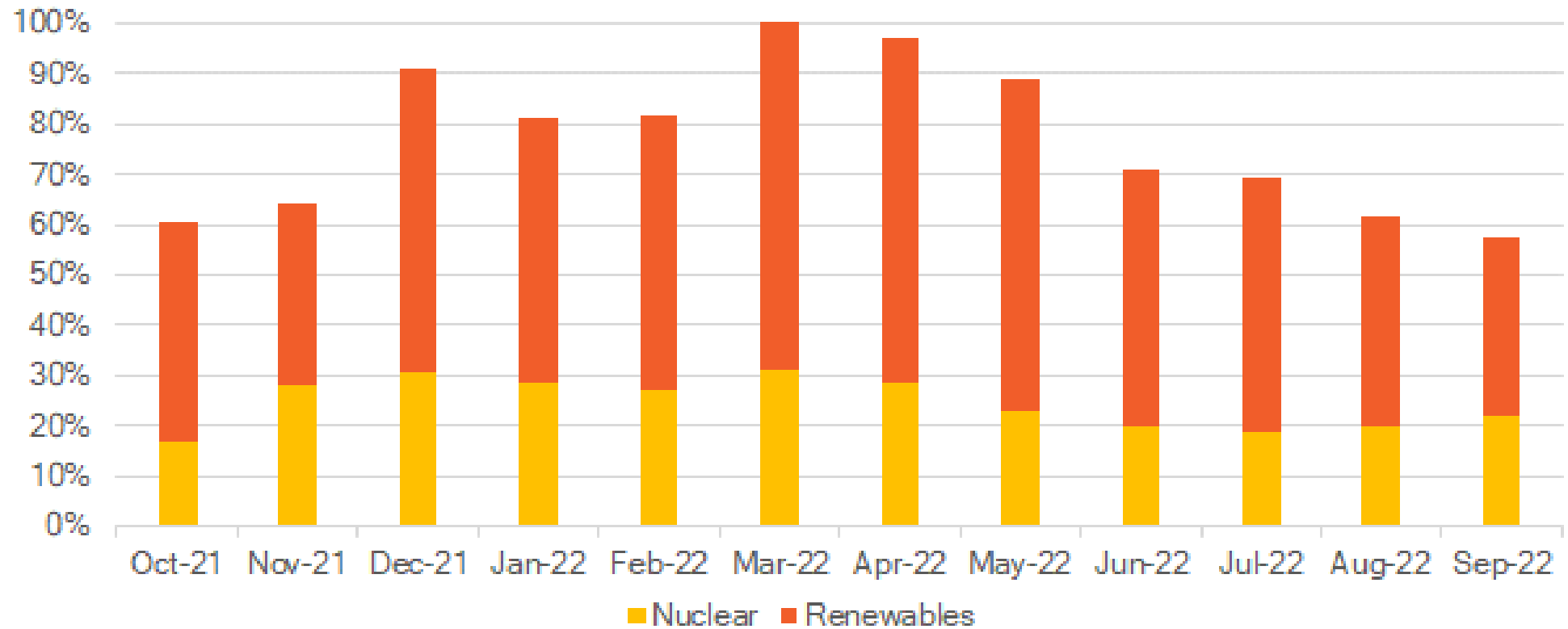


Austin Energy Operations Update

Environmental Performance

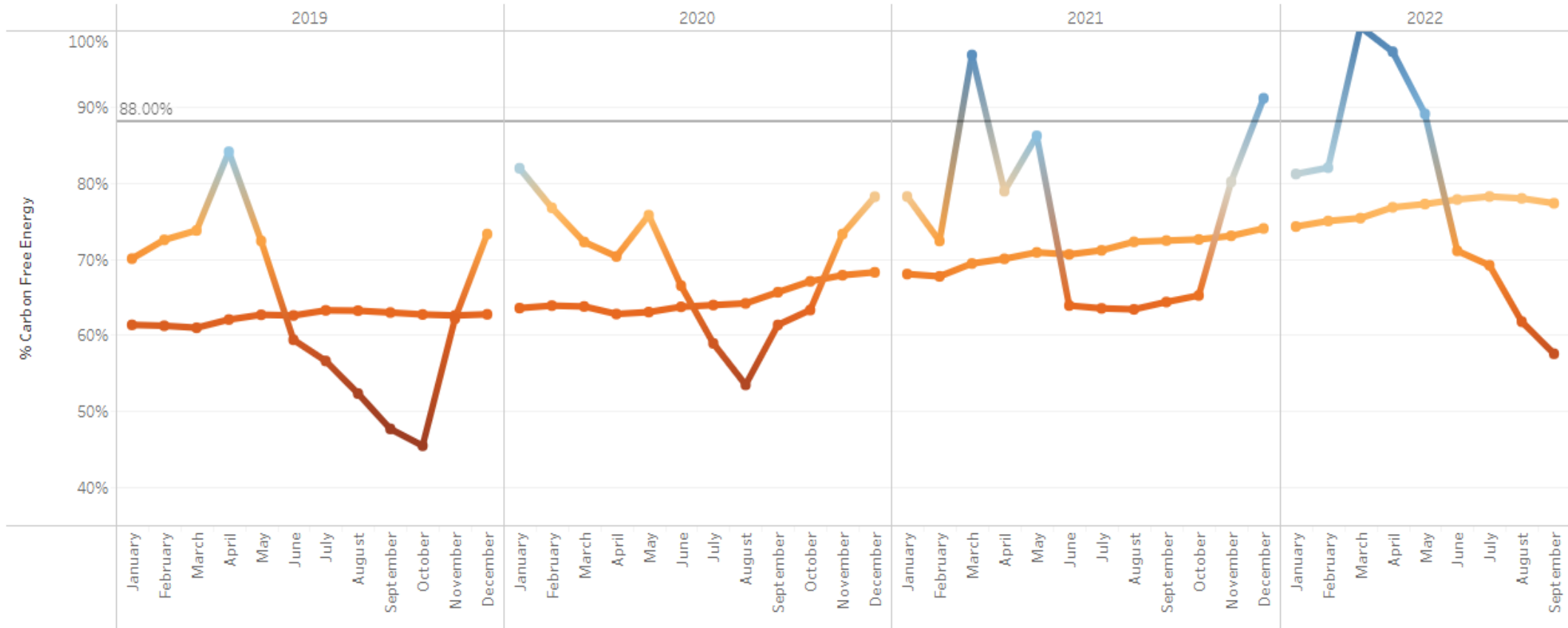


Carbon-Free Generation as a Percentage of Load



Carbon Free Energy

Carbon Free Energy (As a Percent of Load)



Steep line: month-to-month carbon-free energy as a percent of load

Smooth line: rolling 12-month average carbon free energy as a percent of load



Austin Energy Operations Update

Grid Resilience Strategic Goal



Grid Resilience Initiatives

Austin Energy Strategic Goals

Grid Resilience



Improve Distribution System Reliability

Identify, rank, and address feeder maintenance needs in areas historically impacted by outages. Identify, rank and address system needs in areas most susceptible to wildfire risk.

- **Address Top 10 Feeders in both Performance and Wildfire Criticality**



Transmission System of the Future

As part of the 2030 resource plan, Austin Energy contracted for a transmission system study to investigate ways to achieve the plan's goals while mitigating the impacts of the loss of generation plants.

- **Transmission System Assessment to be complete by June 2023**





**Customer Driven.
Community Focused.SM**



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